



Job Order Contract Construction Task Catalog®

CSI Divisions 01-50 2025

County of Santa Cruz

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00 Using The Construction Task Catalog®	1
01 General Requirements	1
01 10 Summary	1
01 11 Summary Of Work	1
01 20 Price and Payment Procedures	1
01 22 Unit Prices	1
01 40 Quality Requirements	45
01 41 Regulatory Requirements	45
01 42 References	45
01 45 Quality Control	46
01 50 Temporary Facilities and Controls	48
01 51 Temporary Utilities	48
01 52 Construction Facilities	49
01 53 Temporary Construction	51
01 54 Construction Aids	51
01 55 Vehicular Access and Parking	53
01 56 Temporary Barriers and Enclosures	59
01 57 Temporary Controls	69
01 58 Project Identification	70
01 60 Product Requirements	70
01 66 Product Storage and Handling Requirements	70
01 70 Execution and Closeout Requirements	71
01 71 Examination and Preparation	71
01 74 Cleaning and Waste Management	75
02 Existing Conditions	1
02 20 Assessment	1
02 25 Existing Material Assessment	1
02 30 Subsurface Investigation	1
02 32 Geotechnical Investigations	1
02 40 Demolition and Structure Moving	2
02 41 Demolition	2
02 43 Structure Moving	15
02 60 Contaminated Site Material Removal	15
02 61 Removal and Disposal of Contaminated Soils	15
02 65 Underground Storage Tank Removal	16
02 80 Facility Remediation	19
02 81 Transportation and Disposal of Hazardous Materials	19
02 82 Asbestos Remediation	20
02 83 Lead Remediation	24
02 86 Hazardous Waste Drum Handling	26
02 87 Bio-Hazard Material Remediation	28
02 89 Hazmat Ancillary Tasks and Support	30
03 Concrete	1
03 01 Maintenance of Concrete	1
03 01 30 Maintenance of Cast-In-Place Concrete	1
03 05 Common Work Results For Concrete	3
03 05 13 Concrete Admixtures	3
03 10 Concrete Forming and Accessories	3
03 11 Concrete Forming	3
03 15 Concrete Accessories	7
03 20 Concrete Reinforcing	17
03 21 Reinforcement Bars	17
03 22 Fabric and Grid Reinforcing	45
03 30 Cast-In-Place Concrete	46
03 30 53 Miscellaneous Cast-in-Place Concrete	46
03 31 Structural Concrete	47
03 35 Concrete Finishing	63
03 37 Specialty Placed Concrete	65
03 38 Post-Tensioned Concrete	66
03 39 Concrete Curing	67

Table of Contents

03 40 Precast Concrete	67
03 41 Precast Structural Concrete	67
03 48 Precast Concrete Specialties	76
03 50 Cast Decks and Underlayment	79
03 53 Concrete Topping	79
03 54 Cast Underlayment	79
03 60 Grouting	80
03 61 Cementitious Grouting	80
03 62 Non-Shrink Grouting	80
03 63 Epoxy Grouting	81
03 64 Injection Grouting	81
03 80 Concrete Cutting and Boring	81
03 81 Concrete Cutting	81
03 82 Concrete Boring	81

05 Metals 1

05 01 Maintenance of Metals	1
05 01 50 Maintenance of Metal Fabrications	1
05 01 70 Maintenance of Decorative Metal	1
05 05 Common Work Results for Metals	1
05 05 19 Post-Installed Concrete Anchors	1
05 05 21 Fastening Methods for Metal	12
05 05 23 Metal Fastenings	14
05 10 Structural Metal Framing	78
05 12 Structural Steel Framing	78
05 14 Structural Aluminum Framing	140
05 15 Wire Rope Assemblies	141
05 40 Cold-Formed Metal Framing	147
05 41 Structural Metal Stud Framing	147
05 42 Cold-Formed Metal Joist Framing	149
05 43 Slotted Channel Framing	149
05 45 Metal Support Assemblies	151
05 50 Metal Fabrications	151
05 51 Metal Stairs	151
05 52 Metal Railings	153
05 53 Metal Gratings	164
05 54 Metal Floor Plates	172
05 55 Metal Stair Treads and Nosings	172
05 56 Metal Castings	174
05 58 Formed Metal Fabrications	174
05 59 Metal Specialties	175

07 Thermal And Moisture Protection 1

07 10 Dampproofing and Waterproofing	1
07 11 Dampproofing	1
07 13 Sheet Waterproofing	1
07 14 Fluid-Applied Waterproofing	3
07 16 Cementitious and Reactive Waterproofing	3
07 19 Water Repellents	3

09 Finishes 1

09 01 Maintenance of Finishes	1
09 01 90 Maintenance of Painting and Coating	1
09 90 Painting and Coating	5
09 91 Painting	5
09 96 High-Performance Coatings	50
09 97 Special Coatings	53

10 Specialties 1

10 10 Information Specialties	1
10 14 Signage	1
10 80 Other Specialties	7
10 81 Pest Control Devices	7

13 Special Construction	1
13 30 Special Structures	1
13 34 Fabricated Engineered Structures	1
13 40 Integrated Construction	2
13 47 Facility Protection	2
22 Plumbing	1
22 05 Common Work Results for Plumbing	1
22 05 23 General-Duty Valves for Plumbing Piping	1
22 05 76 Facility Drainage Piping Cleanouts	4
22 07 Plumbing Insulation	7
22 07 19 Plumbing Piping Insulation	7
22 10 Plumbing Piping	36
22 11 Facility Water Distribution	36
22 12 Facility Potable-Water Storage Tanks	101
22 13 Facility Sanitary Sewerage	102
22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities	149
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities	149
23 Heating, Ventilating, and Air-Conditioning (HVAC)	1
23 05 Common Work Results for HVAC	1
23 05 23 General-Duty Valves For HVAC Piping	1
26 Electrical	1
26 01 Operation and Maintenance of Electrical Systems	1
26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution	1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution	2
26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment	2
26 01 50 Operation and Maintenance of Lighting	2
26 05 Common Work Results for Electrical	12
26 05 13 Medium-Voltage Cables	12
26 05 19 Low-Voltage Electrical Power Conductors and Cables	18
26 05 23 Control-Voltage Electrical Power Cables	34
26 05 26 Grounding and Bonding for Electrical Systems	34
26 05 29 Hangers and Supports for Electrical Systems	39
26 05 33 Raceway and Boxes for Electrical Systems	61
26 05 43 Underground Ducts and Raceways for Electrical Systems	277
26 05 46 Utility Poles for Electrical Systems	279
26 05 53 Identification for Electrical Systems	284
26 05 83 Wiring Connections	284
26 09 Instrumentation and Control for Electrical Systems	288
26 09 23 Lighting Control Devices	288
26 10 Medium-Voltage Electrical Distribution	311
26 11 Substations	311
26 12 Medium-Voltage Transformers	318
26 13 Medium-Voltage Switchgear	324
26 18 Medium-Voltage Circuit Protection Devices	326
26 19 High-Voltage Circuit Protection	326
26 20 Low-Voltage Electrical Distribution	329
26 21 Low-Voltage Electrical Service Entrance	329
26 22 Low-Voltage Transformers	330
26 24 Switchboards and Panelboards	337
26 25 Enclosed Bus Assemblies	381
26 27 Low-Voltage Distribution Equipment	385
26 28 Low-Voltage Circuit Protective Devices	403
26 29 Low-Voltage Controllers	432
26 30 Facility Electrical Power Generating and Storing Equipment	447
26 31 Photovoltaic Collectors	447
26 32 Packaged Generator Assemblies	451
26 33 Battery Equipment	456
26 35 Power Filters and Conditioners	458
26 36 Transfer Switches	459
26 40 Electrical And Cathodic Protection	464
26 43 Surge Protective Devices	464
26 50 Lighting	467

Table of Contents

26 52 Safety Lighting.....	467
26 55 Special Purpose Lighting.....	472
26 56 Exterior Lighting	484

27 Communications 1

27 05 Common Work Results for Communications	1
27 05 26 Grounding and Bonding for Communications Systems.....	1
27 05 29 Hangers and Supports for Communications Systems.....	1
27 05 33 Conduits and Back Boxes for Communications Systems	4
27 05 39 Surface Raceways for Communications Systems.....	4
27 05 43 Underground Ducts and Raceways for Communications Systems.....	4
27 05 46 Utility Poles for Communications Systems.....	4
27 05 53 Identification for Communications Systems	4
27 10 Structured Cabling	4
27 11 Communications Equipment Room Fittings	4
27 13 Communications Backbone Cabling	11
27 15 Communications Horizontal Cabling	13
27 16 Communications Connecting Cords, Devices, and Adapters.....	51
27 20 Data Communications.....	53
27 21 Data Communications Network Equipment.....	53
27 22 Data Communications Hardware	57
27 24 Data Communications Peripheral Data Equipment.....	57
27 30 Voice Communications	57
27 32 Voice Communications Terminal Equipment	57
27 40 Audio-Video Communications.....	59
27 41 Audio-Video Systems	59
27 50 Distributed Communications and Monitoring Systems	60
27 51 Distributed Audio-Video Communications Systems.....	60
27 53 Distributed Systems	61

31 Earthwork 1

31 01 Maintenance of Earthwork	1
31 01 20 Maintenance of Earth Moving.....	1
31 05 Common Work Results for Earthwork.....	1
31 05 13 Soils for Earthwork	1
31 05 16 Aggregates for Earthwork.....	2
31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization.....	5
31 10 Site Clearing	5
31 11 Clearing and Grubbing	5
31 13 Selective Tree and Shrub Removal and Trimming.....	5
31 20 Earth Moving.....	8
31 22 Grading.....	8
31 23 Excavation and Fill	9
31 24 Embankments	15
31 25 Erosion and Sedimentation Controls.....	16
31 30 Earthwork Methods	20
31 31 Soil Treatment.....	20
31 32 Soil Stabilization	21
31 35 Slope Protection	31
31 36 Gabions	31
31 37 Riprap.....	31
31 40 Shoring and Underpinning.....	32
31 41 Shoring	32
31 43 Concrete Raising.....	32
31 45 Vibroflotation and Densification.....	33
31 60 Special Foundations and Load-bearing Elements	33
31 62 Driven Piles	33
31 63 Bored Piles.....	37
31 64 Caissons.....	38
31 66 Special Foundation.....	44
31 68 Foundation Anchors	44

32 Exterior Improvements 1

32 01 Operation and Maintenance of Exterior Improvements	1
32 01 11 Paving Cleaning.....	1
32 01 13 Flexible Paving Surface Treatment	2

32 01 16 Flexible Paving Rehabilitation.....	3
32 01 17 Flexible Paving Repair.....	5
32 01 26 Rigid Paving Rehabilitation.....	7
32 01 29 Rigid Paving Repair.....	7
32 01 90 Operation and Maintenance of Planting.....	8
32 05 Common Work Results for Exterior Improvements.....	11
32 05 33 Common Work Results for Planting.....	11
32 10 Bases, Ballasts, and Paving.....	12
32 11 Base Courses.....	12
32 12 Flexible Paving.....	13
32 13 Rigid Paving.....	21
32 14 Unit Paving.....	25
32 15 Aggregate Surfacing.....	29
32 16 Curbs, Gutters, Sidewalks, and Driveways.....	29
32 17 Paving Specialties.....	39
32 18 Athletic and Recreational Surfacing.....	57
32 30 Site Improvements.....	65
32 31 Fences and Gates.....	65
32 32 Retaining Walls.....	146
32 35 Screening Devices.....	152
32 39 Manufactured Site Specialties.....	152
32 80 Irrigation.....	154
32 84 Planting Irrigation.....	154
32 90 Planting.....	171
32 91 Planting Preparation.....	171
32 92 Turf and Grasses.....	175
32 93 Plants.....	179
32 94 Planting Accessories.....	209
32 96 Transplanting.....	213

33 Utilities

1

33 01 Operation and Maintenance of Utilities.....	1
33 01 10 Operation and Maintenance of Water Utilities.....	1
33 01 20 Operation and Maintenance of Wells.....	4
33 01 40 Operation and Maintenance of Stormwater Utilities.....	4
33 01 70 Operation and Maintenance of Electrical Utilities.....	6
33 05 Common Work Results for Utilities.....	8
33 05 05 Buried Piping Installation.....	8
33 05 07 Trenchless Installation of Utility Piping.....	8
33 05 09 Piping Specials for Utilities.....	10
33 05 16 Cast-Iron Utility Pipe.....	11
33 05 17 Copper Utility Pipe and Tubing.....	11
33 05 19 Ductile-Iron Utility Pipe.....	11
33 05 24 Steel Utility Pipe.....	11
33 05 27 Corrugated Metal Utility Pipe.....	11
33 05 31 Thermoplastic Utility Pipe.....	11
33 05 33 Polyethylene Utility Pipe.....	11
33 05 39 Concrete Pipe.....	12
33 05 41 Vitrified Clay Utility Pipe.....	12
33 05 61 Concrete Manholes.....	12
33 05 63 Concrete Vaults and Chambers.....	13
33 05 81 Metallic Castings for Utility Structures.....	23
33 05 83 Non-Metallic Accessories for Utility Structures.....	23
33 05 84 Accessories for Utility Structures.....	24
33 05 97 Identification and Signage for Utilities.....	27
33 10 Water Utilities.....	27
33 11 Groundwater Sources.....	27
33 14 Water Utility Transmission and Distribution.....	36
33 19 Water Utility Metering Equipment.....	129
33 40 Stormwater Utilities.....	130
33 41 Subdrainage.....	130
33 42 Stormwater Conveyance.....	133
33 44 Storm Utility Water Drains.....	195
33 46 Stormwater Management.....	197
33 50 Hydrocarbon Utilities.....	198
33 51 Hydrocarbon Sources.....	198
33 52 Hydrocarbon Transmission and Distribution.....	199
33 53 Hydrocarbon Utility Pressure Regulation.....	200

Table of Contents

33 59 Hydrocarbon Utility Metering	200
33 70 Electrical Utilities	200
33 71 Electrical Utility Transmission and Distribution	200

34 Transportation 1

34 01 Operation and Maintenance of Transportation	1
34 01 23 Operation and Maintenance of Railways	1
34 01 43 Operation and Maintenance of Bridges	1
34 05 Common Work Results for Transportation	1
34 05 43 Common Work Results for Bridges	1
34 10 Guideways/Railways	20
34 11 Rail Tracks	20
34 40 Transportation Signaling and Control Equipment	20
34 41 Roadway Signaling and Control Equipment	20
34 70 Transportation Construction and Equipment	30
34 71 Roadway Construction	30
34 80 Bridges	37
34 82 Bridge Specialties	37

50 Custom Standards And Assemblies 1

50 89 CALTRANS Custom Standards And Assemblies	1
50 89 80 CALTRANS Construction Performance Requirements	1

About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **County of Santa Cruz**, priced locally using current labor, material and equipment costs, and published in October 2025.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of Santa Cruz**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.



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The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task; disposal of excess material; and time for lunch and breaks.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

PROJECT RELATED COSTS:

- ☑ Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.

- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

PRICE VARIATIONS:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.
- ☑ Contractors may experience differences in decimal rounding on unit prices that may vary from unit prices set forth in the CTC.

SUMMARY:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for Tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- ☑ All labor, material, equipment, spare parts, and documents required by a Technical Specification

shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

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FIELD ENGINEERING:

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.
- ☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and

services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

- ☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HDAY** – Half Day, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose

(Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** - Liter, **LOT** - Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** - One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** - One Thousand Gallons, **MI** - Mile, **MLF** - One Thousand Linear Feet, **MO** - Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** - Metric Ton, **MTK** - Metric Ton Kilometer, **M2** - Square Meter, **M3K** - Cubic Meter Kilometer, **NTE** - Note, **OPN** - Opening, **OUT** - Outlet or Output (each), **OZ** - Ounce, **PKG** - Package, **PNT** - Point, **PR** - Pair, **QT** - Quart, **ROL** - Roll (each), **ROM** - Room, **ROW** - Row, **RSR** - Riser (Per Rise), **SEA** - Seat, **SET** - Set, **SF** - Square Foot, **SHT** - Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** - Inches per Square Yard, **TNM** - Tons per Mile, **TON** - Ton, **TRK** - Truck Load, **UI** - United Inch, **UNT** - Unit, **VLF** - Vertical Linear Foot, **WK** - Week, **YD** - Yard, **YR** - Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

- ☒ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170

Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

- ☒ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

Using The Construction Task Catalog®

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

TRADEMARKS

- ☑ Job Order Contracting Advanced, Job Order Contracting Complete, Job Order Contracting Complete Management, PROGEN, eGordian, ezIQ, Construction Task Catalog, Catalog of Construction Tasks, and DMAP are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{ height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{ height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.



General Requirements		01
Summary		01 10
Summary Of Work		01 11

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary⁽⁰¹⁾

01 11 Summary Of Work^(01 10)

01 11 13 Work Covered by Contract Documents^(01 11)

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001	NTE	Work Covered by Contract Documents	0.00

Note: For specification publishing. Review specifications for requirements.

01 20 Price and Payment Procedures⁽⁰¹⁾

01 22 Unit Prices^(01 20)

01 22 16 Unit Price Payment^(01 22)

01 22 16 00-0001 Negotiated Travel Costs^(01 22 16)

Note: To be used only at the request of authorized personnel for non-commuting travel costs.

01 22 16 00-0002	EA	Negotiated Travel Costs	1.00

Note: Supporting documentation must be included with each Work Order.

01 22 16 00-0003 Reimbursable Fees^(01 22 16)

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc., which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0004	EA	Reimbursable Fees	1.00

Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

01 22 20 Wage Rates^(01 22)

01 22 20 00-0001 Local Labor/Wage Rates^(01 22 20)

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker	97.24

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 4.86

For Apprentice, Deduct -19.45

01 22 20 00-0003	HR	Brick Layer	114.25

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.71

For Apprentice, Deduct -22.85

01 22 20 00-0004	HR	Carpenter	136.25

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 6.81

For Apprentice, Deduct -27.25

01 22 20 00-0005	HR	Carpenter, Bridge Builder	152.48

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 7.62

For Apprentice, Deduct -30.50

01 22 20 00-0006	HR	Cement Mason	101.77

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.09

For Apprentice, Deduct -20.35

01 22 20 00-0007	HR	Electrician, Inside Wireman	133.54

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 6.68

For Apprentice, Deduct -26.71

01 22 20 00-0008	HR	Electrician, Cable Splicer	145.98

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 7.30

For Apprentice, Deduct -29.20

01 22 20 00-0009	HR	Electrical Groundman	145.98

Note: For tasks not included in the Construction Task Catalog® and requested specifically by the owner for miscellaneous work not covered in the CTC.

For Foreperson, Add 7.30

For Apprentice, Deduct -29.20

01 22 20 00-0010	HR	High Voltage Electrician, Utility Lineman	141.25

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 7.06

For Apprentice, Deduct -28.25

01 22 20 00-0011	HR	Communication And System Technician	125.78

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add -25.16

01 22 20 00-0012	HR	Equipment Operator, Crane, Group 1-A	131.51

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0013 HR Equipment Operator, Crane, Group 2-A Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	129.04	
For Foreperson, Add	6.45	
01 22 20 00-0014 HR Equipment Operator, Crane, Group 3-A Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	126.65	
01 22 20 00-0015 HR Equipment Operator, Medium, Group 3 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	126.11	
For Foreperson, Add	6.31	
For Apprentice, Deduct	-25.22	
01 22 20 00-0016 HR Equipment Operator, Medium, Group 4 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	124.17	
01 22 20 00-0017 HR Equipment Operator, Medium, Group 5 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	122.41	
01 22 20 00-0018 HR Equipment Operator, Light, Group 6 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	120.55	
For Foreperson, Add	6.03	
For Apprentice, Deduct	-24.11	
01 22 20 00-0019 HR Equipment Operator, Light, Group 7 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	118.97	
01 22 20 00-0020 HR Equipment Operator, Light, Group 8 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	117.39	
01 22 20 00-0021 HR Laborer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	92.64	
01 22 20 00-0022 HR Landscape Maintenance Laborer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	92.64	
01 22 20 00-0023 HR Millwright Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	132.19	
For Foreperson, Add	6.61	
For Apprentice, Deduct	-26.44	
01 22 20 00-0024 HR Mold Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	95.85	
For Foreperson, Add	4.79	
For Apprentice, Deduct	-19.17	
01 22 20 00-0025 HR Painter, Ordinary Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	113.12	
For Foreperson, Add	5.66	
For Apprentice, Deduct	-22.62	
01 22 20 00-0026 HR Painter, Structural Steel Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	117.68	
For Foreperson, Add	5.88	
For Apprentice, Deduct	-23.54	
01 22 20 00-0027 HR Pile Drivers Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	146.10	
For Foreperson, Add	7.31	
For Apprentice, Deduct	-29.22	
01 22 20 00-0028 HR Plasterer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	122.75	
For Foreperson, Add	6.14	
For Apprentice, Deduct	-24.55	
01 22 20 00-0029 HR Plumber Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	131.38	
For Foreperson, Add	6.57	
For Apprentice, Deduct	-26.28	
01 22 20 00-0030 HR Powderman Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	97.24	
For Foreperson, Add	4.86	
For Apprentice, Deduct	-19.45	
01 22 20 00-0031 HR Rodman (Reinforcing)/Ornamental Steel Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	109.97	
For Foreperson, Add	5.50	
For Apprentice, Deduct	-21.99	
01 22 20 00-0032 HR Sheet Metal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	143.49	
For Foreperson, Add	7.17	
For Apprentice, Deduct	-28.70	
01 22 20 00-0033 HR Stone Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	114.25	
For Foreperson, Add	5.71	
For Apprentice, Deduct	-22.85	
01 22 20 00-0034 HR Iron Worker, Structural Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	113.33	
For Foreperson, Add	5.67	
For Apprentice, Deduct	-22.67	
01 22 20 00-0035 HR Tile Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	112.11	
For Foreperson, Add	5.61	
For Apprentice, Deduct	-22.42	
01 22 20 00-0036 HR Terrazzo Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	120.99	
For Foreperson, Add	6.05	
For Apprentice, Deduct	-24.20	
01 22 20 00-0037 HR Truck Driver, Light, Group 1 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	99.89	
For Foreperson, Add	4.99	
For Apprentice, Deduct	-19.98	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0038	HR	Truck Driver, Medium, Group 2..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	100.34	
01 22 20 00-0039	HR	Truck Driver, Heavy, Group 3..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	100.79	
		For Foreperson, Add	5.04	
		For Apprentice, Deduct	-20.16	
01 22 20 00-0040	HR	Truck Driver, Heavy, Group 4..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	101.31	
01 22 20 00-0041	HR	Welder..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	113.33	
		For Foreperson, Add	5.67	
		For Apprentice, Deduct	-22.67	
01 22 20 00-0042	HR	D1 Certified Welder..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	133.10	
01 22 20 00-0043		Rates For Services (01 22 20)		
01 22 20 00-0044	HR	Watch/Guard Person, Unarmed..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	40.36	
01 22 20 00-0045	HR	Watch/Guard Person, Armed..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	52.02	
01 22 20 00-0046	HR	Senior Surveyor, Party Chief..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	139.19	
01 22 20 00-0047	HR	Surveyor, Instrument Person..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	124.97	
01 22 20 00-0048	HR	Surveyor, Rod Person..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	122.83	
01 22 20 00-0049	HR	On-Site Certified Materials Testing Technician..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	96.98	
01 22 20 00-0050	HR	Certified Industrial Hygienist..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	130.72	
01 22 20 00-0051	MI	Mileage For Professional Services (Engineering, Surveying, etc.)..... Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.70	
01 22 20 00-0052	EA	Security Badge, Processing Fee.....	92.99	
01 22 20 00-0053	HR	Biologist..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	123.26	
01 22 20 00-0054	HR	Ecologist..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	143.81	
01 22 20 00-0055	HR	Fire Watch Laborer..... Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.	92.64	
01 22 20 00-0056		Rates For Project Management Services (01 22 20)		
		Note: Includes subcontracted rates with burden and mark-up		
01 22 20 00-0057	HR	Project Manager..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	160.00	
01 22 20 00-0058		Rates For Architectural And Engineering Services (01 22 20)		
		Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up		
01 22 20 00-0059	HR	Principal Architect..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	243.20	
01 22 20 00-0060	HR	Senior Architect..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	179.20	
01 22 20 00-0061	HR	Architect..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	140.80	
01 22 20 00-0062	HR	Principal Engineer..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	209.92	
01 22 20 00-0063	HR	Senior Engineer..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	174.08	
01 22 20 00-0064	HR	Engineer..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	136.96	
01 22 20 00-0065	HR	Draft Person..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.68	
01 22 20 00-0066		Rates For Traffic Control (01 22 20)		
01 22 20 00-0067	HR	Flagperson For Traffic Control.....	92.64	
01 22 20 00-0068	DAY	Pilot Vehicle With Driver..... Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	1,144.82	
01 22 20 00-0069	HR	Highway Patrol Officer With Car..... For Each Mile, Add	57.02 0.70	
01 22 20 00-0070	HR	Highway Patrol Officer With Motorcycle..... For Each Mile, Add	54.52 0.70	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0071	HR	Highway Patrol Sergeant Officer With Car.....	67.42	
		<i>For Each Mile, Add</i>	0.70	
01 22 20 00-0072	HR	Highway Patrol Sergeant Officer With Motorcycle.....	64.92	
		<i>For Each Mile, Add</i>	0.70	
01 22 20 00-0073		Mobilize Equipment (01 22 20)		
01 22 20 00-0074	HR	Escort Vehicle With Driver.....	103.62	
01 22 20 00-0075	HR	Transport Vehicle With Driver.....	140.44	
01 22 23		Equipment Usage (01 22)		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0066 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.				
01 22 23 00-0001		Aerial Equipment (01 22 23)		
01 22 23 00-0002		Man Lifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.				
01 22 23 00-0003		Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)		
01 22 23 00-0004		Engine Powered, Telescoping Boom Man Lifts With Platform (01 22 23 00-0003)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.				
01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform.....	435.43	
		<i>For Four-Wheel Drive, Add</i>	97.97	
		<i>For Half Day Usage, Deduct</i>	-136.07	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,095.59	
		<i>For Four-Wheel Drive, Add</i>	246.51	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform.....	2,458.05	
		<i>For Four-Wheel Drive, Add</i>	553.06	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-98.32	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform.....	639.09	
		<i>For Four-Wheel Drive, Add</i>	143.80	
		<i>For Half Day Usage, Deduct</i>	-199.72	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,523.99	
		<i>For Four-Wheel Drive, Add</i>	342.90	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform.....	3,335.92	
		<i>For Four-Wheel Drive, Add</i>	750.58	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-133.44	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,243.07	
		<i>For Four-Wheel Drive, Add</i>	279.69	
		<i>For Half Day Usage, Deduct</i>	-388.46	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform.....	3,012.87	
		<i>For Four-Wheel Drive, Add</i>	677.90	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform.....	6,320.70	
		<i>For Four-Wheel Drive, Add</i>	1,422.16	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-252.83	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,769.80	
		<i>For Four-Wheel Drive, Add</i>	398.21	
		<i>For Half Day Usage, Deduct</i>	-553.06	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform.....	4,261.56	
		<i>For Four-Wheel Drive, Add</i>	958.85	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform.....	10,618.78	
		<i>For Four-Wheel Drive, Add</i>	2,389.23	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-424.75	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform.....	2,156.06	
		<i>For Four-Wheel Drive, Add</i>	485.11	
		<i>For Half Day Usage, Deduct</i>	-673.77	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform.....	5,499.01	
		<i>For Four-Wheel Drive, Add</i>	1,237.28	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform.....	12,500.94	
		<i>For Four-Wheel Drive, Add</i>	2,812.71	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-500.04	
01 22 23 00-0020		Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0002)		
01 22 23 00-0021		Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.				
01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	431.31	
		<i>For Half Day Usage, Deduct</i>	-134.78	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,082.20	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,603.54	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-104.14	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	548.94	
		<i>For Half Day Usage, Deduct</i>	-171.54	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,199.83	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,978.39	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-119.14	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	705.78	
		<i>For Half Day Usage, Deduct</i>	-220.56	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,631.14	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	3,646.53	
For >6 Months (>26 Weeks), Deduct	-145.86	
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,231.19	
For Half Day Usage, Deduct	-384.75	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,901.54	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	7,056.23	
For >6 Months (>26 Weeks), Deduct	-282.25	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,391.81	
For Half Day Usage, Deduct	-747.44	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	5,646.24	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	13,801.92	
For >6 Months (>26 Weeks), Deduct	-552.08	
01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)		
Note: For use on paved surfaces.		
01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	431.31	
For Half Day Usage, Deduct	-134.78	
01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	1,082.20	
01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,603.54	
For >6 Months (>26 Weeks), Deduct	-104.14	
01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	431.31	
For Half Day Usage, Deduct	-134.78	
01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	1,082.20	
01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,603.54	
For >6 Months (>26 Weeks), Deduct	-104.14	
01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	533.26	
For Half Day Usage, Deduct	-166.64	
01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	1,152.77	
01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,862.33	
For >6 Months (>26 Weeks), Deduct	-114.49	
01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	533.26	
For Half Day Usage, Deduct	-166.64	
01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	1,152.77	
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,862.33	
For >6 Months (>26 Weeks), Deduct	-114.49	
01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)		
Note: For use on paved surfaces.		
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift.....	176.00	
For Half Day Usage, Deduct	-55.00	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift.....	352.00	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift.....	720.00	
For >6 Months (>26 Weeks), Deduct	-28.80	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift.....	192.00	
For Half Day Usage, Deduct	-60.00	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift.....	384.00	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift.....	768.00	
For >6 Months (>26 Weeks), Deduct	-30.72	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift.....	248.00	
For Half Day Usage, Deduct	-77.50	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift.....	496.00	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift.....	1,064.00	
For >6 Months (>26 Weeks), Deduct	-42.56	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift.....	320.00	
For Half Day Usage, Deduct	-100.00	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift.....	632.00	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift.....	1,400.00	
For >6 Months (>26 Weeks), Deduct	-56.00	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift.....	344.00	
For Half Day Usage, Deduct	-107.50	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift.....	672.00	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift.....	1,520.00	
For >6 Months (>26 Weeks), Deduct	-60.80	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift.....	448.00	
For Half Day Usage, Deduct	-140.00	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift.....	1,112.00	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift.....	3,096.00	
For >6 Months (>26 Weeks), Deduct	-123.84	
01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift.....	482.54	
For Four-Wheel Drive, Add	96.51	
For Half Day Usage, Deduct	-150.79	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift.....	943.62	
For Four-Wheel Drive, Add	188.72	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	2,305.44 461.09 -92.22	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For Half Day Usage, Deduct</i>	493.26 98.65 -154.14	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,125.92 225.18	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	2,466.29 493.26 -98.65	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For Half Day Usage, Deduct</i>	546.87 109.37 -170.90	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,254.59 250.92	
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	2,787.98 557.60 -111.52	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For Half Day Usage, Deduct</i>	579.04 115.81 -180.95	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,351.10 270.22	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	3,324.13 664.83 -132.97	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For Half Day Usage, Deduct</i>	1,083.02 216.60 -338.44	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	2,380.51 476.10	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	5,854.76 1,170.95 -234.19	
01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001) Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	171.16 -53.49	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift	484.96	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	979.43 -39.18	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	237.72 -74.29	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift	503.98	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	1,711.62 -68.46	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	399.38 -124.81	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift	969.92	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	2,833.68 -113.35	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	427.90 -133.72	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift	1,065.01	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	3,204.53 -128.18	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	228.22 -71.32	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift	456.43	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	912.86 -36.51	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	228.22 -71.32	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift	456.43	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	949.00 -37.96	
01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001) Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 29' To 33' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,505.26 -806.32 -621.58	
01 22 23 00-0107 WK 29' To 33' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,128.44 -4,031.62	
01 22 23 00-0108 MO 29' To 33' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	22,807.70 -17,470.34 -213.49	
01 22 23 00-0109 DAY 38' To 41' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,594.22 -806.32 -649.38	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0110 WK 38' To 41' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct	6,414.37 -4,031.62	
01 22 23 00-0111 MO 38' To 41' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	23,570.18 -17,470.34 -243.99	
01 22 23 00-0112 DAY 45' To 48' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,822.96 -806.32 -720.86	
01 22 23 00-0113 WK 45' To 48' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct	6,827.38 -4,031.62	
01 22 23 00-0114 MO 45' To 48' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	24,459.74 -17,470.34 -279.58	
01 22 23 00-0115 DAY 62' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,331.28 -806.32 -879.71	
01 22 23 00-0116 WK 62' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct	8,479.42 -4,031.62	
01 22 23 00-0117 MO 62' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	28,907.54 -17,470.34 -457.49	
01 22 23 00-0118 DAY 85' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,585.44 -806.32 -959.14	
01 22 23 00-0119 WK 85' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct	9,368.98 -4,031.62	
01 22 23 00-0120 MO 85' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	32,084.54 -17,470.34 -584.57	
01 22 23 00-0121 Day 105' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,712.52 -806.32 -998.85	
01 22 23 00-0122 WK 105' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct	9,750.22 -4,031.62	
01 22 23 00-0123 MO 105' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	32,389.53 -17,470.34 -596.77	
01 22 23 00-0124 Air Equipment (01 22 23)		
01 22 23 00-0125 Air Compressors (01 22 23 00-0124) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126 DAY 100 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	167.68 -52.40	
01 22 23 00-0127 WK 100 CFM Diesel Powered Portable Air Compressor	503.06	
01 22 23 00-0128 MO 100 CFM Diesel Powered Portable Air Compressor For >6 Months (>26 Weeks), Deduct	1,397.38 -55.90	
01 22 23 00-0129 DAY 130 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	201.22 -62.88	
01 22 23 00-0130 WK 130 CFM Diesel Powered Portable Air Compressor	592.49	
01 22 23 00-0131 MO 130 CFM Diesel Powered Portable Air Compressor For >6 Months (>26 Weeks), Deduct	1,676.85 -67.07	
01 22 23 00-0132 DAY 185 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	268.30 -83.84	
01 22 23 00-0133 WK 185 CFM Diesel Powered Portable Air Compressor	603.67	
01 22 23 00-0134 MO 185 CFM Diesel Powered Portable Air Compressor For >6 Months (>26 Weeks), Deduct	1,330.30 -53.21	
01 22 23 00-0135 DAY 375 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	380.09 -118.78	
01 22 23 00-0136 WK 375 CFM Diesel Powered Portable Air Compressor	961.39	
01 22 23 00-0137 MO 375 CFM Diesel Powered Portable Air Compressor For >6 Months (>26 Weeks), Deduct	2,291.70 -91.67	
01 22 23 00-0138 DAY 600 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	845.13 -264.10	
01 22 23 00-0139 WK 600 CFM Diesel Powered Portable Air Compressor	2,034.58	
01 22 23 00-0140 MO 600 CFM Diesel Powered Portable Air Compressor For >6 Months (>26 Weeks), Deduct	5,070.79 -202.83	
01 22 23 00-0141 DAY 750 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	1,017.29 -317.90	
01 22 23 00-0142 WK 750 CFM Diesel Powered Portable Air Compressor	2,504.10	
01 22 23 00-0143 MO 750 CFM Diesel Powered Portable Air Compressor For >6 Months (>26 Weeks), Deduct	6,148.45 -245.94	
01 22 23 00-0144 DAY 825 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	1,017.29 -317.90	
01 22 23 00-0145 WK 825 CFM Diesel Powered Portable Air Compressor	2,504.10	
01 22 23 00-0146 MO 825 CFM Diesel Powered Portable Air Compressor For >6 Months (>26 Weeks), Deduct	6,148.45 -245.94	
01 22 23 00-0147 DAY 1,300 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	1,184.97 -370.30	
01 22 23 00-0148 WK 1,300 CFM Diesel Powered Portable Air Compressor	2,656.13	
01 22 23 00-0149 MO 1,300 CFM Diesel Powered Portable Air Compressor For >6 Months (>26 Weeks), Deduct	7,083.01 -283.32	
01 22 23 00-0150 DAY 1,600 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	1,475.63 -461.13	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,320.16	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	8,853.77	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-354.15	
01 22 23 00-0153		Portable Negative Air Machines (01 22 23 00-0124)		
		Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.		
01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	112.00	
		<i>For Half Day Usage, Deduct</i>	-35.00	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	460.00	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,390.00	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-55.60	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines	13.83	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines	28.11	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	133.33	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines	2.49	
01 22 23 00-0161		Compaction And Paving Equipment (01 22 23)		
01 22 23 00-0162		Pavers And Rollers (01 22 23 00-0161)		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0163		Pavers (01 22 23 00-0162)		
01 22 23 00-0164	DAY	10' Wide Paving Machine With Full-Time Operator	4,564.46	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-1,615.56	
01 22 23 00-0165	WK	10' Wide Paving Machine With Full-Time Operator	19,266.69	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0166	MO	10' Wide Paving Machine With Full-Time Operator	72,653.88	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-2,031.79	
01 22 23 00-0167		Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0162)		
01 22 23 00-0168	DAY	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,365.34	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-615.84	
01 22 23 00-0169	WK	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,122.53	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0170	MO	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	24,785.85	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-117.07	
01 22 23 00-0171	DAY	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,502.92	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-658.83	
01 22 23 00-0172	WK	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	7,145.61	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0173	MO	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	26,330.46	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-178.85	
01 22 23 00-0174	DAY	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,509.17	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-660.78	
01 22 23 00-0175	WK	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	6,739.13	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0176	MO	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	26,630.63	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-190.86	
01 22 23 00-0177		Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0162)		
01 22 23 00-0178	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,421.62	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-633.42	
01 22 23 00-0179	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,188.82	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0180	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,167.31	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-132.32	
01 22 23 00-0181	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,684.27	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-715.50	
01 22 23 00-0182	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,720.37	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0183	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,843.25	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-199.36	
01 22 23 00-0184	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,746.80	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-735.04	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
01 22 23 00-0185	WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,114.34		-5,044.43
01 22 23 00-0186	MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	27,943.87		-21,859.21 -243.39
01 22 23 00-0187 Towed, Padfoot Rollers (01 22 23 00-0182)				
01 22 23 00-0188	DAY 48" Wide, 40" Diameter, Towed Padfoot Roller <i>For Half Day Usage, Deduct</i>	118.82		-37.13
01 22 23 00-0189	WK 48" Wide, 40" Diameter, Towed Padfoot Roller	343.94		
01 22 23 00-0190	MO 48" Wide, 40" Diameter, Towed Padfoot Roller <i>For >6 Months (>26 Weeks), Deduct</i>	1,013.07		-40.52
01 22 23 00-0191	DAY 60" Wide, 60" Diameter, Towed Padfoot Roller <i>For Half Day Usage, Deduct</i>	150.08		-46.90
01 22 23 00-0192	WK 60" Wide, 60" Diameter, Towed Padfoot Roller	418.98		
01 22 23 00-0193	MO 60" Wide, 60" Diameter, Towed Padfoot Roller <i>For >6 Months (>26 Weeks), Deduct</i>	1,782.25		-71.29
01 22 23 00-0194 Static Rollers (01 22 23 00-0182)				
01 22 23 00-0195	DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,452.89		-1,008.89 -643.20
01 22 23 00-0196	WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,457.72		-5,044.43
01 22 23 00-0197	MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	26,049.05		-21,859.21 -167.59
01 22 23 00-0198	DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,590.47		-1,008.89 -686.19
01 22 23 00-0199	WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,832.93		-5,044.43
01 22 23 00-0200	MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	27,087.14		-21,859.21 -209.12
01 22 23 00-0201 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0182)				
01 22 23 00-0202	DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,252.78		-1,008.89 -580.66
01 22 23 00-0203	WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,757.33		-5,044.43
01 22 23 00-0204	MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	23,735.26		-21,859.21 -75.04
01 22 23 00-0205	DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,346.58		-1,008.89 -609.97
01 22 23 00-0206	WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,038.74		-5,044.43
01 22 23 00-0207	MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	24,485.68		-21,859.21 -105.06
01 22 23 00-0208	DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,409.11		-1,008.89 -629.51
01 22 23 00-0209	WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,226.34		-5,044.43
01 22 23 00-0210	MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	24,985.96		-21,859.21 -125.07
01 22 23 00-0211	DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,490.41		-1,008.89 -654.92
01 22 23 00-0212	WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,463.97		-5,044.43
01 22 23 00-0213	MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	25,605.06		-21,859.21 -149.83
01 22 23 00-0214	DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,653.00		-1,008.89 -705.73
01 22 23 00-0215	WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,939.24		-5,044.43
01 22 23 00-0216	MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	26,862.01		-21,859.21 -200.11

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0217

Steel Roadway Plates (01 22 23 00-0161)

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0218 for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0218	EA	Placement And Removal Of Steel Roadway Plates.....	59.31	
01 22 23 00-0219	DAY	1" x 4' x 8' Steel Plate	44.88	
01 22 23 00-0220	WK	1" x 4' x 8' Steel Plate	105.98	
01 22 23 00-0221	MO	1" x 4' x 8' Steel Plate	139.47	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-5.58	
01 22 23 00-0222	DAY	1" x 4' x 10' Steel Plate	59.85	
01 22 23 00-0223	WK	1" x 4' x 10' Steel Plate	134.65	
01 22 23 00-0224	MO	1" x 4' x 10' Steel Plate	164.58	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-6.58	
01 22 23 00-0225	DAY	1" x 5' x 10' Steel Plate	62.34	
01 22 23 00-0226	WK	1" x 5' x 10' Steel Plate	140.89	
01 22 23 00-0227	MO	1" x 5' x 10' Steel Plate	374.04	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-14.96	
01 22 23 00-0228	DAY	1" x 6' x 8' Steel Plate	39.90	
01 22 23 00-0229	WK	1" x 6' x 8' Steel Plate	89.77	
01 22 23 00-0230	MO	1" x 6' x 8' Steel Plate	239.39	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-9.58	
01 22 23 00-0231	DAY	1" x 6' x 10' Steel Plate	74.81	
01 22 23 00-0232	WK	1" x 6' x 10' Steel Plate	98.50	
01 22 23 00-0233	MO	1" x 6' x 10' Steel Plate	263.07	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-10.52	
01 22 23 00-0234	DAY	1" x 6' x 12' Steel Plate	104.73	
01 22 23 00-0235	WK	1" x 6' x 12' Steel Plate	134.03	
01 22 23 00-0236	MO	1" x 6' x 12' Steel Plate	362.82	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-14.51	
01 22 23 00-0237	DAY	1" x 8' x 10' Steel Plate	66.08	
01 22 23 00-0238	WK	1" x 8' x 10' Steel Plate	148.37	
01 22 23 00-0239	MO	1" x 8' x 10' Steel Plate	395.24	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-15.81	
01 22 23 00-0240	DAY	1" x 8' x 12' Steel Plate	119.69	
01 22 23 00-0241	WK	1" x 8' x 12' Steel Plate	148.37	
01 22 23 00-0242	MO	1" x 8' x 12' Steel Plate	718.16	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-28.73	
01 22 23 00-0243	DAY	1" x 8' x 16' Steel Plate	159.59	
01 22 23 00-0244	WK	1" x 8' x 16' Steel Plate	359.08	
01 22 23 00-0245	MO	1" x 8' x 16' Steel Plate	957.54	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-38.30	
01 22 23 00-0246	DAY	1-1/4" x 8' x 10' Steel Plate	79.30	
01 22 23 00-0247	WK	1-1/4" x 8' x 10' Steel Plate	178.04	
01 22 23 00-0248	MO	1-1/4" x 8' x 10' Steel Plate	474.28	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-18.97	
01 22 23 00-0249	DAY	1-1/2" x 8' x 15' Steel Plate	183.53	
01 22 23 00-0250	WK	1-1/2" x 8' x 15' Steel Plate	412.94	
01 22 23 00-0251	MO	1-1/2" x 8' x 15' Steel Plate	1,101.17	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-44.05	
01 22 23 00-0252	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	2.62	1.14
01 22 23 00-0253	EA	Removal And Resetting Of Steel Roadway Plate	32.95	

01 22 23 00-0254

Street Sweepers (01 22 23 00-0161)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0255	DAY	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator.....	1,184.79	
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Half Day Usage, Deduct</i>	-551.08	
01 22 23 00-0256	WK	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator.....	5,695.34	
		<i>For Equipment Without Operator, Deduct</i>	-4,822.19	
01 22 23 00-0257	MO	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator.....	24,007.00	
		<i>For Equipment Without Operator, Deduct</i>	-20,896.15	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-124.43	
01 22 23 00-0258	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	2,737.96	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Half Day Usage, Deduct</i>	-1,036.45	
01 22 23 00-0259	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	11,926.05	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-4,822.19	
01 22 23 00-0260	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	46,248.12	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-20,896.15	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,014.08	

01 22 23 00-0261

Earthmoving Equipment (01 22 23)

01 22 23 00-0262

Skid-Steer Loaders (01 22 23 00-0261)

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0263 DAY 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	1,332.31	
For Equipment Without Operator, Deduct	-964.44	
For Half Day Usage, Deduct	-597.18	
01 22 23 00-0264 WK 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	5,787.27	
For Equipment Without Operator, Deduct	-4,822.19	
01 22 23 00-0265 MO 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	23,220.34	
For Equipment Without Operator, Deduct	-20,896.15	
For >6 Months (>26 Weeks), Deduct	-92.97	
01 22 23 00-0266 DAY 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,429.28	
For Equipment Without Operator, Deduct	-964.44	
For Half Day Usage, Deduct	-627.48	
01 22 23 00-0267 WK 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	5,962.74	
For Equipment Without Operator, Deduct	-4,822.19	
01 22 23 00-0268 MO 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	23,605.14	
For Equipment Without Operator, Deduct	-20,896.15	
For >6 Months (>26 Weeks), Deduct	-108.36	
01 22 23 00-0269 DAY 2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,456.98	
For Equipment Without Operator, Deduct	-964.44	
For Half Day Usage, Deduct	-636.14	
01 22 23 00-0270 WK 2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	6,215.17	
For Equipment Without Operator, Deduct	-4,822.19	
01 22 23 00-0271 MO 2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	24,274.69	
For Equipment Without Operator, Deduct	-20,896.15	
For >6 Months (>26 Weeks), Deduct	-135.14	
01 22 23 00-0272 DAY 2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	1,564.73	
For Equipment Without Operator, Deduct	-964.44	
For Half Day Usage, Deduct	-669.81	
01 22 23 00-0273 WK 2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	6,569.18	
For Equipment Without Operator, Deduct	-4,822.19	
01 22 23 00-0274 MO 2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	25,444.49	
For Equipment Without Operator, Deduct	-20,896.15	
For >6 Months (>26 Weeks), Deduct	-181.93	
01 22 23 00-0275 DAY 3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	27,168.39	
For Equipment Without Operator, Deduct	-964.44	
For Half Day Usage, Deduct	-727.53	
01 22 23 00-0276 WK 3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	7,269.52	
For Equipment Without Operator, Deduct	-4,822.19	
01 22 23 00-0277 MO 3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	27,168.39	
For Equipment Without Operator, Deduct	-20,896.15	
For >6 Months (>26 Weeks), Deduct	-250.89	
01 22 23 00-0278 DAY Hydraulic Hammer Attachment For Skid-Steer Loaders	307.84	
For Half Day Usage, Deduct	-96.20	
01 22 23 00-0279 WK Hydraulic Hammer Attachment For Skid-Steer Loaders	1,023.57	
01 22 23 00-0280 MO Hydraulic Hammer Attachment For Skid-Steer Loaders	2,724.38	
For >6 Months (>26 Weeks), Deduct	-108.98	
01 22 23 00-0281 DAY Forklift Attachment For Skid-Steer Loaders	66.19	
For Half Day Usage, Deduct	-20.68	
01 22 23 00-0282 WK Forklift Attachment For Skid-Steer Loaders	177.01	
01 22 23 00-0283 MO Forklift Attachment For Skid-Steer Loaders	500.24	
For >6 Months (>26 Weeks), Deduct	-20.01	
01 22 23 00-0284 DAY Backhoe Attachment For Skid-Steer Loaders	146.22	
For Half Day Usage, Deduct	-45.69	
01 22 23 00-0285 WK Backhoe Attachment For Skid-Steer Loaders	350.94	
01 22 23 00-0286 MO Backhoe Attachment For Skid-Steer Loaders	872.73	
For >6 Months (>26 Weeks), Deduct	-34.91	
01 22 23 00-0287 DAY Broom Attachment For Skid-Steer Loaders	144.68	
For Half Day Usage, Deduct	-45.21	
01 22 23 00-0288 WK Broom Attachment For Skid-Steer Loaders	392.50	
01 22 23 00-0289 MO Broom Attachment For Skid-Steer Loaders	1,038.96	
For >6 Months (>26 Weeks), Deduct	-41.56	
01 22 23 00-0290 DAY Auger Attachment For Skid-Steer Loaders	126.21	
Note: Excludes bits and extensions		
For Half Day Usage, Deduct	-39.44	
01 22 23 00-0291 WK Auger Attachment For Skid-Steer Loaders	347.86	
Note: Excludes bits and extensions		
01 22 23 00-0292 MO Auger Attachment For Skid-Steer Loaders	949.69	
Note: Excludes bits and extensions		
For >6 Months (>26 Weeks), Deduct	-37.99	
01 22 23 00-0293 DAY Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	34.79	
Note: Excludes auger attachment		
For Half Day Usage, Deduct	-10.87	
01 22 23 00-0294 WK Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	91.01	
Note: Excludes auger attachment		
01 22 23 00-0295 MO Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	267.68	
Note: Excludes auger attachment		
For >6 Months (>26 Weeks), Deduct	-10.71	
01 22 23 00-0296 DAY >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	46.84	
Note: Excludes auger attachment		
For Half Day Usage, Deduct	-14.64	
01 22 23 00-0297 WK >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	116.44	
Note: Excludes auger attachment		
01 22 23 00-0298 MO >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	348.00	
Note: Excludes auger attachment		
For >6 Months (>26 Weeks), Deduct	-13.92	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0299	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers.....	68.25	
		Note: Excludes auger attachment		
		For Half Day Usage, Deduct	-21.33	
01 22 23 00-0300	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers.....	207.47	
		Note: Excludes auger attachment		
01 22 23 00-0301	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers.....	615.68	
		Note: Excludes auger attachment		
		For >6 Months (>26 Weeks), Deduct	-24.63	
01 22 23 00-0302	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers	13.85	
		Note: Excludes auger attachment		
		For Half Day Usage, Deduct	-4.33	
01 22 23 00-0303	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers	32.32	
		Note: Excludes auger attachment		
01 22 23 00-0304	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers	86.20	
		Note: Excludes auger attachment		
		For >6 Months (>26 Weeks), Deduct	-3.45	
01 22 23 00-0305 Bulldozers (01 22 23 00-0261)				
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0306	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,414.92	
		For Equipment Without Operator, Deduct	-1,008.89	
		For Half Day Usage, Deduct	-631.33	
01 22 23 00-0307	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,645.58	
		For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0308	MO	70 HP, D3 Bulldozer With Full-Time Operator	26,609.03	
		For Equipment Without Operator, Deduct	-21,859.21	
		For >6 Months (>26 Weeks), Deduct	-189.99	
01 22 23 00-0309	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,606.45	
		For Equipment Without Operator, Deduct	-1,008.89	
		For Half Day Usage, Deduct	-691.18	
01 22 23 00-0310	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	7,419.34	
		For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0311	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	28,983.94	
		For Equipment Without Operator, Deduct	-21,859.21	
		For >6 Months (>26 Weeks), Deduct	-284.99	
01 22 23 00-0312	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,150.38	
		For Equipment Without Operator, Deduct	-1,008.89	
		For Half Day Usage, Deduct	-861.16	
01 22 23 00-0313	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,595.06	
		For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0314	MO	140 HP, D6 Bulldozer With Full-Time Operator	35,495.79	
		For Equipment Without Operator, Deduct	-21,859.21	
		For >6 Months (>26 Weeks), Deduct	-545.46	
01 22 23 00-0315	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,633.02	
		For Equipment Without Operator, Deduct	-1,008.89	
		For Half Day Usage, Deduct	-1,011.99	
01 22 23 00-0316	WK	200 HP, D7 Bulldozer With Full-Time Operator	11,533.30	
		For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0317	MO	200 HP, D7 Bulldozer With Full-Time Operator	41,318.15	
		For Equipment Without Operator, Deduct	-21,859.21	
		For >6 Months (>26 Weeks), Deduct	-778.36	
01 22 23 00-0318	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,207.60	
		For Equipment Without Operator, Deduct	-1,008.89	
		For Half Day Usage, Deduct	-1,191.54	
01 22 23 00-0319	WK	335 HP, D8 Bulldozer With Full-Time Operator	13,831.60	
		For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0320	MO	335 HP, D8 Bulldozer With Full-Time Operator	48,213.05	
		For Equipment Without Operator, Deduct	-21,859.21	
		For >6 Months (>26 Weeks), Deduct	-1,054.15	
01 22 23 00-0321	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,529.36	
		For Equipment Without Operator, Deduct	-1,008.89	
		For Half Day Usage, Deduct	-1,292.09	
01 22 23 00-0322	WK	460 HP, D9 Bulldozer With Full-Time Operator	15,110.98	
		For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0323	MO	460 HP, D9 Bulldozer With Full-Time Operator	52,043.55	
		For Equipment Without Operator, Deduct	-21,859.21	
		For >6 Months (>26 Weeks), Deduct	-1,207.37	
01 22 23 00-0324 Motor Scraper (01 22 23 00-0261)				
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0325	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	2,351.36	
		For Equipment Without Operator, Deduct	-1,008.89	
		For Half Day Usage, Deduct	-923.97	
01 22 23 00-0326	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	10,414.31	
		For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0327	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	37,950.46	
		For Equipment Without Operator, Deduct	-21,859.21	
		For >6 Months (>26 Weeks), Deduct	-643.65	
01 22 23 00-0328	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,893.87	
		For Equipment Without Operator, Deduct	-1,008.89	
		For Half Day Usage, Deduct	-1,093.50	
01 22 23 00-0329	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	12,584.33	
		For Equipment Without Operator, Deduct	-5,044.43	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0330 MO 18 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct 01 22 23 00-0331 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0332 WK 24 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct 01 22 23 00-0333 MO 24 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	44,478.91 -21,859.21 -904.79 3,417.98 -1,008.89 -1,257.29 14,671.59 -5,044.43 50,731.51 -21,859.21 -1,154.89	
01 22 23 00-0334 Hydraulic Excavators (01 22 23 00-0261) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0335 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0336 WK 3/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct 01 22 23 00-0337 MO 3/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct 01 22 23 00-0338 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0339 WK 1/2 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct 01 22 23 00-0340 MO 1/2 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct 01 22 23 00-0341 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0342 WK 5/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct 01 22 23 00-0343 MO 5/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct 01 22 23 00-0344 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0345 WK 3/4 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct 01 22 23 00-0346 MO 3/4 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct 01 22 23 00-0347 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0348 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct 01 22 23 00-0349 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct 01 22 23 00-0350 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0351 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct 01 22 23 00-0352 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct 01 22 23 00-0353 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0354 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct 01 22 23 00-0355 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct 01 22 23 00-0356 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0357 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct 01 22 23 00-0358 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct 01 22 23 00-0359 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct 01 22 23 00-0360 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct	1,370.66 -1,008.89 -617.50 6,324.03 -5,044.43 26,146.89 -21,859.21 -171.51 1,472.50 -1,008.89 -649.32 6,772.90 -5,044.43 27,942.36 -21,859.21 -243.33 1,504.65 -1,008.89 -659.37 6,940.39 -5,044.43 28,237.13 -21,859.21 -255.12 1,538.15 -1,008.89 -669.84 7,094.48 -5,044.43 28,531.91 -21,859.21 -266.91 1,564.95 -1,008.89 -678.21 7,255.27 -5,044.43 28,826.69 -21,859.21 -278.70 1,926.72 -1,008.89 -791.27 8,695.66 -5,044.43 32,812.89 -21,859.21 -438.15 1,980.32 -1,008.89 -808.02 8,930.14 -5,044.43 33,516.34 -21,859.21 -466.29 2,080.81 -1,008.89 -839.42 9,332.11 -5,044.43 34,722.25 -21,859.21 -514.52 2,194.70 -1,008.89 -875.01 9,780.98 -5,044.43	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0361 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	36,062.15	
For Equipment Without Operator, Deduct	-21,859.21	
For >6 Months (>26 Weeks), Deduct	-568.12	
01 22 23 00-0362 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,228.20	
For Equipment Without Operator, Deduct	-1,008.89	
For Half Day Usage, Deduct	-885.48	
01 22 23 00-0363 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	9,914.97	
For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0364 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	36,464.12	
For Equipment Without Operator, Deduct	-21,859.21	
For >6 Months (>26 Weeks), Deduct	-584.20	
01 22 23 00-0365 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,549.77	
For Equipment Without Operator, Deduct	-1,008.89	
For Half Day Usage, Deduct	-985.97	
01 22 23 00-0366 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	11,207.97	
For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0367 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	40,349.83	
For Equipment Without Operator, Deduct	-21,859.21	
For >6 Months (>26 Weeks), Deduct	-739.62	
01 22 23 00-0368 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	3,012.04	
For Equipment Without Operator, Deduct	-1,008.89	
For Half Day Usage, Deduct	-1,130.43	
01 22 23 00-0369 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	13,043.63	
For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0370 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	45,843.42	
For Equipment Without Operator, Deduct	-21,859.21	
For >6 Months (>26 Weeks), Deduct	-959.37	
01 22 23 00-0371 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,581.50	
For Equipment Without Operator, Deduct	-1,008.89	
For Half Day Usage, Deduct	-1,308.39	
01 22 23 00-0372 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	15,321.46	
For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0373 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	52,676.91	
For Equipment Without Operator, Deduct	-21,859.21	
For >6 Months (>26 Weeks), Deduct	-1,232.71	
01 22 23 00-0374 DAY Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	2,107.61	
For Equipment Without Operator, Deduct	-1,008.89	
For Half Day Usage, Deduct	-847.80	
01 22 23 00-0375 WK Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	9,425.90	
For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0376 MO Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	34,990.23	
For Equipment Without Operator, Deduct	-21,859.21	
For >6 Months (>26 Weeks), Deduct	-525.24	
01 22 23 00-0377 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators	93.79	
For Half Day Usage, Deduct	-29.31	
01 22 23 00-0378 WK Thumbs Or Grapple Attachment For Hydraulic Excavators	361.77	
01 22 23 00-0379 MO Thumbs Or Grapple Attachment For Hydraulic Excavators	1,071.92	
For >6 Months (>26 Weeks), Deduct	-42.88	
01 22 23 00-0380 DAY 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	415.37	
For Half Day Usage, Deduct	-129.80	
01 22 23 00-0381 WK 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,098.72	
01 22 23 00-0382 MO 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,075.07	
For >6 Months (>26 Weeks), Deduct	-123.00	
01 22 23 00-0383 DAY 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	643.15	
For Half Day Usage, Deduct	-200.98	
01 22 23 00-0384 WK 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,641.38	
01 22 23 00-0385 MO 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	4,267.58	
For >6 Months (>26 Weeks), Deduct	-170.70	
01 22 23 00-0386 DAY 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	897.73	
For Half Day Usage, Deduct	-280.54	
01 22 23 00-0387 WK 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,418.52	
01 22 23 00-0388 MO 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	6,779.89	
For >6 Months (>26 Weeks), Deduct	-271.20	
01 22 23 00-0389 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators	187.59	
For Half Day Usage, Deduct	-58.62	
01 22 23 00-0390 WK 24" Compaction Wheel Attachment For Hydraulic Excavators	750.34	
01 22 23 00-0391 MO 24" Compaction Wheel Attachment For Hydraulic Excavators	2,251.03	
For >6 Months (>26 Weeks), Deduct	-90.04	
01 22 23 00-0392 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators	267.98	
For Half Day Usage, Deduct	-83.74	
01 22 23 00-0393 WK 36" Compaction Wheel Attachment For Hydraulic Excavators	1,071.92	
01 22 23 00-0394 MO 36" Compaction Wheel Attachment For Hydraulic Excavators	3,215.76	
For >6 Months (>26 Weeks), Deduct	-128.63	
01 22 23 00-0395 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators	294.78	
For Half Day Usage, Deduct	-92.12	
01 22 23 00-0396 WK 48" Compaction Wheel Attachment For Hydraulic Excavators	1,165.71	
01 22 23 00-0397 MO 48" Compaction Wheel Attachment For Hydraulic Excavators	3,483.74	
For >6 Months (>26 Weeks), Deduct	-139.35	
01 22 23 00-0398 Mini-Excavators (01 22 23 00-0261)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0399 DAY 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,290.27	
For Equipment Without Operator, Deduct	-1,008.89	
For Half Day Usage, Deduct	-592.38	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0400 WK 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,841.67 -5,044.43	
01 22 23 00-0401 MO 2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	23,614.48 -21,859.21 -70.21	
01 22 23 00-0402 DAY 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,296.97 -1,008.89 -594.47	
01 22 23 00-0403 WK 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,861.77 -5,044.43	
01 22 23 00-0404 MO 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	24,036.55 -21,859.21 -87.09	
01 22 23 00-0405 DAY 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,330.47 -1,008.89 -604.94	
01 22 23 00-0406 WK 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,955.56 -5,044.43	
01 22 23 00-0407 MO 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	24,096.84 -21,859.21 -89.51	
01 22 23 00-0408 DAY 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,343.87 -1,008.89 -609.13	
01 22 23 00-0409 WK 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,002.46 -5,044.43	
01 22 23 00-0410 MO 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	24,123.64 -21,859.21 -90.58	
01 22 23 00-0411 DAY 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,424.26 -1,008.89 -634.25	
01 22 23 00-0412 WK 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,069.45 -5,044.43	
01 22 23 00-0413 MO 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	24,900.78 -21,859.21 -121.66	
01 22 23 00-0414 DAY 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,430.96 -1,008.89 -636.34	
01 22 23 00-0415 WK 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,404.43 -5,044.43	
01 22 23 00-0416 MO 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	24,934.28 -21,859.21 -123.00	
01 22 23 00-0417 Telescopic Hydraulic Excavators (Gradall) (01 22 23 00-0261)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0418 DAY Gradall, Telescopic Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	4,498.30 -1,008.89 -1,594.89	
01 22 23 00-0419 WK Gradall, Telescopic Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,245.65 -5,044.43	
01 22 23 00-0420 MO Gradall, Telescopic Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	51,130.54 -21,859.21 -1,170.85	
01 22 23 00-0421 Road Graders (01 22 23 00-0261)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0422 DAY 50 To 60 HP Road Grader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,388.14 -1,008.89 -935.46	
01 22 23 00-0423 WK 50 To 60 HP Road Grader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,630.48 -5,044.43	
01 22 23 00-0424 MO 50 To 60 HP Road Grader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	31,513.96 -21,859.21 -386.19	
01 22 23 00-0425 DAY 80 To 100 HP Road Grader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	3,068.57 -1,008.89 -1,148.10	
01 22 23 00-0426 WK 80 To 100 HP Road Grader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,138.46 -5,044.43	
01 22 23 00-0427 MO 80 To 100 HP Road Grader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	36,111.46 -21,859.21 -570.09	
01 22 23 00-0428 DAY 130 To 140 HP Road Grader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	3,575.82 -1,008.89 -1,306.61	
01 22 23 00-0429 WK 130 To 140 HP Road Grader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,640.92 -5,044.43	
01 22 23 00-0430 MO 130 To 140 HP Road Grader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	41,651.45 -21,859.21 -791.69	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0431	DAY	170 To 185 HP Road Grader With Full-Time Operator	4,346.67	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-1,547.50	
01 22 23 00-0432	WK	170 To 185 HP Road Grader With Full-Time Operator	18,395.57	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0433	MO	170 To 185 HP Road Grader With Full-Time Operator	68,588.16	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.17	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,869.16	
01 22 23 00-0434		Loader-Backhoes With Standard Bucket (01 22 23 00-0261)		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0435	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,466.35	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-647.40	
01 22 23 00-0436	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	6,130.91	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0437	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	24,416.11	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-102.28	
01 22 23 00-0438	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,515.37	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-662.72	
01 22 23 00-0439	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,302.46	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0440	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	25,461.74	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-144.10	
01 22 23 00-0441	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,590.93	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-686.33	
01 22 23 00-0442	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,490.34	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0443	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	26,000.89	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-165.67	
01 22 23 00-0444	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,927.90	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-791.64	
01 22 23 00-0445	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,495.13	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0446	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	28,876.38	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-280.69	
01 22 23 00-0447		Heavy-Duty Construction Loaders (01 22 23 00-0261)		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0448	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,473.38	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-649.60	
01 22 23 00-0449	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	6,880.95	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0450	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	27,361.63	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-220.10	
01 22 23 00-0451	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,859.26	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-770.19	
01 22 23 00-0452	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,302.57	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0453	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	27,576.01	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-228.67	
01 22 23 00-0454	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,945.02	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-796.99	
01 22 23 00-0455	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,531.24	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0456	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,147.69	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-251.54	
01 22 23 00-0457	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,180.83	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-870.68	
01 22 23 00-0458	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,152.94	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	
01 22 23 00-0459	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	29,719.81	
		<i>For Equipment Without Operator, Deduct</i>	-21,859.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-314.42	
01 22 23 00-0460	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,788.24	
		<i>For Equipment Without Operator, Deduct</i>	-1,008.89	
		<i>For Half Day Usage, Deduct</i>	-1,060.49	
01 22 23 00-0461	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	12,147.55	
		<i>For Equipment Without Operator, Deduct</i>	-5,044.43	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0462 MO 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	43,154.29	
For Equipment Without Operator, Deduct	-21,859.21	
For >6 Months (>26 Weeks), Deduct	-851.80	
01 22 23 00-0463 DAY 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	6,789.93	
For Equipment Without Operator, Deduct	-1,008.89	
For Half Day Usage, Deduct	-2,311.02	
01 22 23 00-0464 WK 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	23,816.77	
For Equipment Without Operator, Deduct	-5,044.43	
01 22 23 00-0465 MO 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	73,018.92	
For Equipment Without Operator, Deduct	-21,859.21	
For >6 Months (>26 Weeks), Deduct	-2,046.39	
01 22 23 00-0466 Tractors (01 22 23 00-0261)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0467 DAY 20 To 29 HP Tractor.....	498.39	
For Half Day Usage, Deduct	-155.75	
01 22 23 00-0468 WK 20 To 29 HP Tractor.....	1,199.84	
01 22 23 00-0469 MO 20 To 29 HP Tractor.....	3,239.55	
For >6 Months (>26 Weeks), Deduct	-129.58	
01 22 23 00-0470 DAY 30 To 35 HP Tractor.....	516.41	
For Half Day Usage, Deduct	-161.38	
01 22 23 00-0471 WK 30 To 35 HP Tractor.....	1,329.49	
01 22 23 00-0472 MO 30 To 35 HP Tractor.....	3,680.81	
For >6 Months (>26 Weeks), Deduct	-147.23	
01 22 23 00-0473 DAY 40 To 45 HP Tractor.....	527.40	
For Half Day Usage, Deduct	-164.81	
01 22 23 00-0474 WK 40 To 45 HP Tractor.....	1,417.39	
01 22 23 00-0475 MO 40 To 45 HP Tractor.....	3,889.58	
For >6 Months (>26 Weeks), Deduct	-155.58	
01 22 23 00-0476 DAY 80 To 89 HP Tractor.....	679.03	
For Half Day Usage, Deduct	-212.20	
01 22 23 00-0477 WK 80 To 89 HP Tractor.....	1,925.67	
01 22 23 00-0478 MO 80 To 89 HP Tractor.....	5,513.75	
For >6 Months (>26 Weeks), Deduct	-220.55	
01 22 23 00-0479 DAY 60" Rotary Mower Attachment For Tractors.....	213.16	
For Half Day Usage, Deduct	-66.61	
01 22 23 00-0480 WK 60" Rotary Mower Attachment For Tractors.....	659.25	
01 22 23 00-0481 DAY 84" Rotary Mower Attachment For Tractors.....	232.94	
For Half Day Usage, Deduct	-72.79	
01 22 23 00-0482 WK 84" Rotary Mower Attachment For Tractors.....	714.19	
01 22 23 00-0483 DAY Under Deck Rotary Mower Attachment For Tractors.....	41.39	
For Half Day Usage, Deduct	-12.93	
01 22 23 00-0484 WK Under Deck Rotary Mower Attachment For Tractors.....	165.55	
01 22 23 00-0485 Shoring (01 22 23 00-0261)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0486 Aluminum Hydraulic Shoring (01 22 23 00-0485)		
Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0487 WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	119.31	
Note: Up to 88" spread width.		
01 22 23 00-0488 MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	351.92	
Note: Up to 88" spread width.		
For >6 Months (>26 Weeks), Deduct	-14.08	
01 22 23 00-0489 WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	160.05	
Note: Up to 88" spread width.		
01 22 23 00-0490 MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	472.08	
Note: Up to 88" spread width.		
For >6 Months (>26 Weeks), Deduct	-18.88	
01 22 23 00-0491 WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	296.78	
Note: Up to 88" spread width.		
01 22 23 00-0492 MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	875.50	
Note: Up to 88" spread width.		
For >6 Months (>26 Weeks), Deduct	-35.02	
01 22 23 00-0493 EA Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	29.14	
01 22 23 00-0494 EA Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	46.63	
01 22 23 00-0495 EA Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	77.71	
01 22 23 00-0496 Trench Boxes/Trench Shields (01 22 23 00-0261)		
Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.		
01 22 23 00-0497 WK 4' x 6' Trench Box With Up To 48" Spreaders.....	260.32	
01 22 23 00-0498 MO 4' x 6' Trench Box With Up To 48" Spreaders.....	780.97	
For >6 Months (>26 Weeks), Deduct	-31.24	
01 22 23 00-0499 WK 6' x 6' Trench Box With Up To 48" Spreaders.....	293.91	
01 22 23 00-0500 MO 6' x 6' Trench Box With Up To 48" Spreaders.....	881.74	
For >6 Months (>26 Weeks), Deduct	-35.27	
01 22 23 00-0501 WK 8' x 6' Trench Box With Up To 48" Spreaders.....	310.71	
01 22 23 00-0502 MO 8' x 6' Trench Box With Up To 48" Spreaders.....	932.12	
For >6 Months (>26 Weeks), Deduct	-37.28	
01 22 23 00-0503 WK 4' x 8' Trench Box With Up To 48" Spreaders.....	285.52	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0504 MO 4' x 8' Trench Box With Up To 48" Spreaders.....	856.54	
For >6 Months (>26 Weeks), Deduct	-34.26	
01 22 23 00-0505 WK 6' x 8' Trench Box With Up To 48" Spreaders.....	335.90	
01 22 23 00-0506 MO 6' x 8' Trench Box With Up To 48" Spreaders.....	1,007.70	
For >6 Months (>26 Weeks), Deduct	-40.31	
01 22 23 00-0507 WK 8' x 8' Trench Box With Up To 48" Spreaders.....	377.89	
01 22 23 00-0508 MO 8' x 8' Trench Box With Up To 48" Spreaders.....	1,133.66	
For >6 Months (>26 Weeks), Deduct	-45.35	
01 22 23 00-0509 WK 4' x 10' Trench Box With Up To 48" Spreaders.....	319.10	
01 22 23 00-0510 MO 4' x 10' Trench Box With Up To 48" Spreaders.....	957.32	
For >6 Months (>26 Weeks), Deduct	-38.29	
01 22 23 00-0511 WK 6' x 10' Trench Box With Up To 48" Spreaders.....	377.89	
01 22 23 00-0512 MO 6' x 10' Trench Box With Up To 48" Spreaders.....	1,133.66	
For >6 Months (>26 Weeks), Deduct	-45.35	
01 22 23 00-0513 WK 8' x 10' Trench Box With Up To 48" Spreaders.....	461.86	
01 22 23 00-0514 MO 8' x 10' Trench Box With Up To 48" Spreaders.....	1,377.19	
For >6 Months (>26 Weeks), Deduct	-55.09	
01 22 23 00-0515 WK 4' x 12' Trench Box With Up To 48" Spreaders.....	377.89	
01 22 23 00-0516 MO 4' x 12' Trench Box With Up To 48" Spreaders.....	1,133.66	
For >6 Months (>26 Weeks), Deduct	-45.35	
01 22 23 00-0517 WK 6' x 12' Trench Box With Up To 48" Spreaders.....	461.86	
01 22 23 00-0518 MO 6' x 12' Trench Box With Up To 48" Spreaders.....	1,385.59	
For >6 Months (>26 Weeks), Deduct	-55.42	
01 22 23 00-0519 WK 8' x 12' Trench Box With Up To 48" Spreaders.....	587.82	
01 22 23 00-0520 MO 8' x 12' Trench Box With Up To 48" Spreaders.....	1,763.48	
For >6 Months (>26 Weeks), Deduct	-70.54	
01 22 23 00-0521 WK 4' x 14' Trench Box With Up To 48" Spreaders.....	419.88	
01 22 23 00-0522 MO 4' x 14' Trench Box With Up To 48" Spreaders.....	1,259.62	
For >6 Months (>26 Weeks), Deduct	-50.38	
01 22 23 00-0523 WK 6' x 14' Trench Box With Up To 48" Spreaders.....	545.84	
01 22 23 00-0524 MO 6' x 14' Trench Box With Up To 48" Spreaders.....	1,637.51	
For >6 Months (>26 Weeks), Deduct	-65.50	
01 22 23 00-0525 WK 8' x 14' Trench Box With Up To 48" Spreaders.....	671.80	
01 22 23 00-0526 MO 8' x 14' Trench Box With Up To 48" Spreaders.....	2,015.40	
For >6 Months (>26 Weeks), Deduct	-80.62	
01 22 23 00-0527 WK 4' x 16' Trench Box With Up To 48" Spreaders.....	461.86	
01 22 23 00-0528 MO 4' x 16' Trench Box With Up To 48" Spreaders.....	1,385.59	
For >6 Months (>26 Weeks), Deduct	-55.42	
01 22 23 00-0529 WK 6' x 16' Trench Box With Up To 48" Spreaders.....	629.81	
01 22 23 00-0530 MO 6' x 16' Trench Box With Up To 48" Spreaders.....	1,889.44	
For >6 Months (>26 Weeks), Deduct	-75.58	
01 22 23 00-0531 WK 8' x 16' Trench Box With Up To 48" Spreaders.....	755.78	
01 22 23 00-0532 MO 8' x 16' Trench Box With Up To 48" Spreaders.....	2,267.32	
For >6 Months (>26 Weeks), Deduct	-90.69	
01 22 23 00-0533 WK 4' x 20' Trench Box With Up To 48" Spreaders.....	545.84	
01 22 23 00-0534 MO 4' x 20' Trench Box With Up To 48" Spreaders.....	1,637.51	
For >6 Months (>26 Weeks), Deduct	-65.50	
01 22 23 00-0535 WK 6' x 20' Trench Box With Up To 48" Spreaders.....	755.78	
01 22 23 00-0536 MO 6' x 20' Trench Box With Up To 48" Spreaders.....	2,267.32	
For >6 Months (>26 Weeks), Deduct	-90.69	
01 22 23 00-0537 WK 8' x 20' Trench Box With Up To 48" Spreaders.....	881.74	
01 22 23 00-0538 MO 8' x 20' Trench Box With Up To 48" Spreaders.....	2,645.21	
For >6 Months (>26 Weeks), Deduct	-105.81	
01 22 23 00-0539 WK 4' x 24' Trench Box With Up To 48" Spreaders.....	755.78	
01 22 23 00-0540 MO 4' x 24' Trench Box With Up To 48" Spreaders.....	2,267.32	
For >6 Months (>26 Weeks), Deduct	-90.69	
01 22 23 00-0541 WK 6' x 24' Trench Box With Up To 48" Spreaders.....	923.72	
01 22 23 00-0542 MO 6' x 24' Trench Box With Up To 48" Spreaders.....	2,771.18	
For >6 Months (>26 Weeks), Deduct	-110.85	
01 22 23 00-0543 WK 8' x 24' Trench Box With Up To 48" Spreaders.....	1,007.70	
01 22 23 00-0544 MO 8' x 24' Trench Box With Up To 48" Spreaders.....	3,023.10	
For >6 Months (>26 Weeks), Deduct	-120.92	
01 22 23 00-0545 WK For Spreaders >48" To 84", Add.....	25.19	
01 22 23 00-0546 MO For Spreaders >48" To 84", Add.....	75.58	
For >6 Months (>26 Weeks), Deduct	-3.02	
01 22 23 00-0547 WK For Spreaders >84" To 120", Add.....	151.16	
01 22 23 00-0548 MO For Spreaders >84" To 120", Add.....	453.46	
For >6 Months (>26 Weeks), Deduct	-18.14	
01 22 23 00-0549 WK For Spreaders >120", Add.....	319.10	
01 22 23 00-0550 MO For Spreaders >120", Add.....	957.32	
For >6 Months (>26 Weeks), Deduct	-38.29	
01 22 23 00-0551 WK 8' x 4' Manhole Box.....	396.78	
01 22 23 00-0552 MO 8' x 4' Manhole Box.....	1,190.35	
For >6 Months (>26 Weeks), Deduct	-47.61	
01 22 23 00-0553 WK 8' x 8' Manhole Box.....	566.83	
01 22 23 00-0554 MO 8' x 8' Manhole Box.....	1,700.49	
For >6 Months (>26 Weeks), Deduct	-68.02	

01 22 23 00-0555 Trenchers (01 22 23 00-0261)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0556 DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,316.04 -964.44 -592.10	
01 22 23 00-0557 WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator For Equipment Without Operator, Deduct	6,019.83 -4,822.19	
01 22 23 00-0558 MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	24,192.40 -20,896.15 -131.85	
01 22 23 00-0559 DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,909.36 -964.44 -777.51	
01 22 23 00-0560 WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator For Equipment Without Operator, Deduct	8,019.55 -4,822.19	
01 22 23 00-0561 MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	29,686.15 -20,896.15 -351.60	
01 22 23 00-0562 Portable Sediment Tank (01 22 23 00-0261) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0563 WK Portable Sediment Tank	206.94	
01 22 23 00-0564 MO Portable Sediment Tank For >6 Months (>26 Weeks), Deduct	607.02 -24.28	
01 22 23 00-0565 Heavy Equipment (Ground Protection) Mats (01 22 23 00-0261) Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0261 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0566 DAY 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat For Half Day Usage, Deduct	27.18 -8.49	
01 22 23 00-0567 WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	64.70	
01 22 23 00-0568 MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat For >6 Months (>26 Weeks), Deduct	135.88 -5.44	
01 22 23 00-0569 DAY 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat For Half Day Usage, Deduct	28.53 -8.92	
01 22 23 00-0570 WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	67.94	
01 22 23 00-0571 MO 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat For >6 Months (>26 Weeks), Deduct	142.67 -5.71	
01 22 23 00-0572 Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat For Half Day Usage, Deduct	23.10 -7.22	
01 22 23 00-0573 WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	54.35	
01 22 23 00-0574 MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat For >6 Months (>26 Weeks), Deduct	115.50 -4.62	
01 22 23 00-0575 Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat For Half Day Usage, Deduct	25.82 -8.07	
01 22 23 00-0576 WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	61.15	
01 22 23 00-0577 MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat For >6 Months (>26 Weeks), Deduct	129.09 -5.16	
01 22 23 00-0578 Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat For Half Day Usage, Deduct	28.53 -8.92	
01 22 23 00-0579 WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	67.94	
01 22 23 00-0580 MO 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat For >6 Months (>26 Weeks), Deduct	142.67 -5.71	
01 22 23 00-0581 Day 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat For Half Day Usage, Deduct	31.25 -9.77	
01 22 23 00-0582 WK 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	74.41	
01 22 23 00-0583 MO 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat For >6 Months (>26 Weeks), Deduct	156.26 -6.25	
01 22 23 00-0584 Day 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For Half Day Usage, Deduct	24.46 -7.64	
01 22 23 00-0585 WK 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	67.94	
01 22 23 00-0586 MO 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For >6 Months (>26 Weeks), Deduct	122.29 -4.89	
01 22 23 00-0587 Day 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For Half Day Usage, Deduct	28.53 -8.92	
01 22 23 00-0588 WK 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	67.94	
01 22 23 00-0589 MO 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For >6 Months (>26 Weeks), Deduct	142.67 -5.71	
01 22 23 00-0590 Day 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For Half Day Usage, Deduct	33.97 -10.62	
01 22 23 00-0591 WK 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	74.73	
01 22 23 00-0592 MO 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For >6 Months (>26 Weeks), Deduct	169.85 -6.79	
01 22 23 00-0593 Day 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For Half Day Usage, Deduct	36.69 -11.47	
01 22 23 00-0594 WK 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	87.35	
01 22 23 00-0595 MO 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For >6 Months (>26 Weeks), Deduct	183.44 -7.34	
01 22 23 00-0596 Day 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For Half Day Usage, Deduct	39.41 -12.32	
01 22 23 00-0597 WK 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	93.82	
01 22 23 00-0598 MO 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat For >6 Months (>26 Weeks), Deduct	197.03 -7.88	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0599 Day 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	40.76	
For Half Day Usage, Deduct	-12.74	
01 22 23 00-0600 WK 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	97.06	
01 22 23 00-0601 MO 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	203.82	
For >6 Months (>26 Weeks), Deduct	-8.15	
01 22 23 00-0602 Day 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.07	
For Half Day Usage, Deduct	-4.08	
01 22 23 00-0603 WK 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.68	
01 22 23 00-0604 MO 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.04	
For >6 Months (>26 Weeks), Deduct	-3.92	
01 22 23 00-0605 Day 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.63	
For Half Day Usage, Deduct	-4.88	
01 22 23 00-0606 WK 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	39.07	
01 22 23 00-0607 MO 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	117.20	
For >6 Months (>26 Weeks), Deduct	-4.69	
01 22 23 00-0608 Day 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.85	
For Half Day Usage, Deduct	-5.58	
01 22 23 00-0609 WK 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	44.61	
01 22 23 00-0610 MO 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	133.84	
For >6 Months (>26 Weeks), Deduct	-5.35	
01 22 23 00-0611 Day 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.02	
For Half Day Usage, Deduct	-5.94	
01 22 23 00-0612 WK 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.56	
01 22 23 00-0613 MO 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	142.67	
For >6 Months (>26 Weeks), Deduct	-5.71	
01 22 23 00-0614 Day 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.74	
For Half Day Usage, Deduct	-6.79	
01 22 23 00-0615 WK 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	54.35	
01 22 23 00-0616 MO 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	163.06	
For >6 Months (>26 Weeks), Deduct	-6.52	
01 22 23 00-0617 Day 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	24.98	
For Half Day Usage, Deduct	-7.81	
01 22 23 00-0618 WK 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	62.46	
01 22 23 00-0619 MO 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	187.38	
For >6 Months (>26 Weeks), Deduct	-7.50	
01 22 23 00-0620 Day 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.22	
For Half Day Usage, Deduct	-6.01	
01 22 23 00-0621 WK 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	48.06	
01 22 23 00-0622 MO 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	144.17	
For >6 Months (>26 Weeks), Deduct	-5.77	
01 22 23 00-0623 Day 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.03	
For Half Day Usage, Deduct	-8.13	
01 22 23 00-0624 WK 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	65.06	
01 22 23 00-0625 MO 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	195.19	
For >6 Months (>26 Weeks), Deduct	-7.81	
01 22 23 00-0626 Day 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.50	
For Half Day Usage, Deduct	-7.03	
01 22 23 00-0627 WK 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.25	
01 22 23 00-0628 MO 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	168.76	
For >6 Months (>26 Weeks), Deduct	-6.75	
01 22 23 00-0629 Day 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.53	
For Half Day Usage, Deduct	-11.73	
01 22 23 00-0630 WK 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	93.82	
01 22 23 00-0631 MO 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	281.46	
For >6 Months (>26 Weeks), Deduct	-11.26	
01 22 23 00-0632 Day 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.00	
For Half Day Usage, Deduct	-12.50	
01 22 23 00-0633 WK 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	100.01	
01 22 23 00-0634 MO 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	300.02	
For >6 Months (>26 Weeks), Deduct	-12.00	
01 22 23 00-0635 Electrical Equipment (01 22 23)		
01 22 23 00-0636 Tripod Mounted Floodlights (01 22 23 00-0635)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0637 DAY 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.05	
For Half Day Usage, Deduct	-20.33	
01 22 23 00-0638 WK 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	153.90	
01 22 23 00-0639 MO 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	325.25	
For >6 Months (>26 Weeks), Deduct	-13.01	
01 22 23 00-0640 DAY 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.05	
For Half Day Usage, Deduct	-20.33	
01 22 23 00-0641 WK 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	190.39	
01 22 23 00-0642 MO 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	563.24	
For >6 Months (>26 Weeks), Deduct	-22.53	
01 22 23 00-0643 DAY 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.98	
For Half Day Usage, Deduct	-22.81	
01 22 23 00-0644 WK 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	198.32	
01 22 23 00-0645 MO 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	483.91	
For >6 Months (>26 Weeks), Deduct	-19.36	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0646		Trailer Mounted Floodlights (01 22 23 00-0635) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0647	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	182.46	
		<i>For Half Day Usage, Deduct</i>	-57.02	
01 22 23 00-0648	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	404.58	
01 22 23 00-0649	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	872.63	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-34.91	
01 22 23 00-0650		Generator Sets (01 22 23 00-0635)		
01 22 23 00-0651		Portable, Gas Powered Generator Sets (01 22 23 00-0650) Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0773 for reimbursable fuel fees.		
01 22 23 00-0652	DAY	3.6 KW Gas Powered Generator Set.....	52.12	
		Note: Fuel consumption: 100% load - 0.54 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	6.52	
		<i>For Half Day Usage, Deduct</i>	-16.29	
01 22 23 00-0653	WK	3.6 KW Gas Powered Generator Set.....	187.86	
		Note: Fuel consumption: 100% load - 0.54 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	23.48	
01 22 23 00-0654	MO	3.6 KW Gas Powered Generator Set.....	521.16	
		Note: Fuel consumption: 100% load - 0.54 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	65.15	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-20.85	
01 22 23 00-0655	DAY	5 KW Gas Powered Generator Set.....	73.93	
		Note: Fuel consumption: 100% load - 0.75 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	9.24	
		<i>For Half Day Usage, Deduct</i>	-23.10	
01 22 23 00-0656	WK	5 KW Gas Powered Generator Set.....	236.34	
		Note: Fuel consumption: 100% load - 0.75 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	29.54	
01 22 23 00-0657	MO	5 KW Gas Powered Generator Set.....	539.34	
		Note: Fuel consumption: 100% load - 0.75 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	67.42	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-21.57	
01 22 23 00-0658	DAY	6.5 KW Gas Powered Generator Set.....	94.54	
		Note: Fuel consumption: 100% load - 0.975 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	11.82	
		<i>For Half Day Usage, Deduct</i>	-29.54	
01 22 23 00-0659	WK	6.5 KW Gas Powered Generator Set.....	254.52	
		Note: Fuel consumption: 100% load - 0.975 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	31.82	
01 22 23 00-0660	MO	6.5 KW Gas Powered Generator Set.....	702.96	
		Note: Fuel consumption: 100% load - 0.975 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	87.87	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-28.12	
01 22 23 00-0661	DAY	10 KW Gas Powered Generator Set.....	105.44	
		Note: Fuel consumption: 100% load - 1.35 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	13.18	
		<i>For Half Day Usage, Deduct</i>	-32.95	
01 22 23 00-0662	WK	10 KW Gas Powered Generator Set.....	284.82	
		Note: Fuel consumption: 100% load - 1.35 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	35.60	
01 22 23 00-0663	MO	10 KW Gas Powered Generator Set.....	818.10	
		Note: Fuel consumption: 100% load - 1.35 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	102.26	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-32.72	
01 22 23 00-0664	DAY	15 KW Gas Powered Generator Set.....	193.07	
		Note: Fuel consumption: 100% load - 1.70 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	24.13	
		<i>For Half Day Usage, Deduct</i>	-60.33	
01 22 23 00-0665	WK	15 KW Gas Powered Generator Set.....	548.48	
		Note: Fuel consumption: 100% load - 1.6 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	68.56	
01 22 23 00-0666	MO	15 KW Gas Powered Generator Set.....	1,184.73	
		Note: Fuel consumption: 100% load - 1.6 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	148.09	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-47.39	
01 22 23 00-0667		Towable, Diesel Powered Generator Sets (01 22 23 00-0650) Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1,000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0773 for reimbursable fuel fees.		
01 22 23 00-0668	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set	216.95	
		Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
		<i>For >8 To 16 Hours Usage Per Day, Add</i>	86.78	
		<i>For >16 To 24 Hours Usage Per Day, Add</i>	173.56	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0669	WK		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	567.22	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	226.89	
			For >80 Hours Usage Per Week, Add	453.78	
01 22 23 00-0670	MO		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,545.30	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	618.12	
			For >320 Hours Usage Per Month, Add	1,236.24	
			For >6 Months (>26 Weeks), Deduct	-61.81	
01 22 23 00-0671	DAY		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	387.31	
			Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	154.92	
			For >16 To 24 Hours Usage Per Day, Add	309.85	
01 22 23 00-0672	WK		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,149.45	
			Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	459.78	
			For >80 Hours Usage Per Week, Add	919.56	
01 22 23 00-0673	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,373.86	
			Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	949.54	
			For >320 Hours Usage Per Month, Add	1,899.09	
			For >6 Months (>26 Weeks), Deduct	-94.95	
01 22 23 00-0674	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	424.80	
			Note: Fuel consumption: 100% load – 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	169.92	
			For >16 To 24 Hours Usage Per Day, Add	339.84	
01 22 23 00-0675	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,186.93	
			Note: Fuel consumption: 100% load – 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	474.77	
			For >80 Hours Usage Per Week, Add	949.54	
01 22 23 00-0676	MO		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,623.74	
			Note: Fuel consumption: 100% load – 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,049.50	
			For >320 Hours Usage Per Month, Add	2,098.99	
			For >6 Months (>26 Weeks), Deduct	-104.95	
01 22 23 00-0677	DAY		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	456.03	
			Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	182.41	
			For >16 To 24 Hours Usage Per Day, Add	364.82	
01 22 23 00-0678	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,249.40	
			Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	499.76	
			For >80 Hours Usage Per Week, Add	999.52	
01 22 23 00-0679	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,998.56	
			Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,199.42	
			For >320 Hours Usage Per Month, Add	2,398.85	
			For >6 Months (>26 Weeks), Deduct	-119.94	
01 22 23 00-0680	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	499.76	
			Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	199.90	
			For >16 To 24 Hours Usage Per Day, Add	399.81	
01 22 23 00-0681	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,418.07	
			Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	567.23	
			For >80 Hours Usage Per Week, Add	1,134.46	
01 22 23 00-0682	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,373.38	
			Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,349.35	
			For >320 Hours Usage Per Month, Add	2,698.70	
			For >6 Months (>26 Weeks), Deduct	-134.94	
01 22 23 00-0683	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	562.23	
			Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	224.89	
			For >16 To 24 Hours Usage Per Day, Add	449.78	
01 22 23 00-0684	WK		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,499.28	
			Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	599.71	
			For >80 Hours Usage Per Week, Add	1,199.42	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0685	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	3,748.20 1,499.28 2,998.56 -149.93	
01 22 23 00-0686	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	580.97 232.39 464.78	
01 22 23 00-0687	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,561.75 624.70 1,249.40	
01 22 23 00-0688	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	4,247.96 1,699.18 3,398.37 -169.92	
01 22 23 00-0689	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	655.94 262.38 524.75	
01 22 23 00-0690	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,811.63 724.65 1,449.30	
01 22 23 00-0691	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	4,872.66 1,949.06 3,898.13 -194.91	
01 22 23 00-0692	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	687.17 274.87 549.74	
01 22 23 00-0693	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,905.34 762.14 1,524.27	
01 22 23 00-0694	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	5,372.42 2,148.97 4,297.94 -214.90	
01 22 23 00-0695	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	718.40 287.36 574.72	
01 22 23 00-0696	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,061.51 824.60 1,649.21	
01 22 23 00-0697	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	5,622.30 2,248.92 4,497.84 -224.89	
01 22 23 00-0698	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	749.64 299.86 599.71	
01 22 23 00-0699	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,186.45 874.58 1,749.16	
01 22 23 00-0700	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	5,872.18 2,348.87 4,697.74 -234.89	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0701	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	749.64		
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	299.86		
		For >16 To 24 Hours Usage Per Day, Add	599.71		
01 22 23 00-0702	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,186.45		
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	874.58		
		For >80 Hours Usage Per Week, Add	1,749.16		
01 22 23 00-0703	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,872.18		
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,348.87		
		For >320 Hours Usage Per Month, Add	4,697.74		
		For >6 Months (>26 Weeks), Deduct	-234.89		
01 22 23 00-0704	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,030.76		
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	412.30		
		For >16 To 24 Hours Usage Per Day, Add	824.61		
01 22 23 00-0705	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,561.27		
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	1,024.51		
		For >80 Hours Usage Per Week, Add	2,049.02		
01 22 23 00-0706	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,496.40		
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,998.56		
		For >320 Hours Usage Per Month, Add	5,997.12		
		For >6 Months (>26 Weeks), Deduct	-299.86		
01 22 23 00-0707	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,093.22		
		Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	437.29		
		For >16 To 24 Hours Usage Per Day, Add	874.58		
01 22 23 00-0708	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,623.74		
		Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	1,049.50		
		For >80 Hours Usage Per Week, Add	2,098.99		
01 22 23 00-0709	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,746.28		
		Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	3,098.51		
		For >320 Hours Usage Per Month, Add	6,197.02		
		For >6 Months (>26 Weeks), Deduct	-309.85		
01 22 23 00-0710	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,155.70		
		Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	462.28		
		For >16 To 24 Hours Usage Per Day, Add	924.56		
01 22 23 00-0711	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,886.21		
		Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	1,074.48		
		For >80 Hours Usage Per Week, Add	2,148.97		
01 22 23 00-0712	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,996.16		
		Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	3,198.46		
		For >320 Hours Usage Per Month, Add	6,396.93		
		For >6 Months (>26 Weeks), Deduct	-319.85		
01 22 23 00-0713	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,193.18		
		Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	477.27		
		For >16 To 24 Hours Usage Per Day, Add	954.54		
01 22 23 00-0714	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,873.62		
		Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	1,149.45		
		For >80 Hours Usage Per Week, Add	2,298.90		
01 22 23 00-0715	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,495.92		
		Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	3,398.37		
		For >320 Hours Usage Per Month, Add	6,796.74		
		For >6 Months (>26 Weeks), Deduct	-339.84		
01 22 23 00-0716	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,249.40		
		Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	499.76		
		For >16 To 24 Hours Usage Per Day, Add	999.52		



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0717	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set 3,248.44 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 1,299.38 For >80 Hours Usage Per Week, Add 2,598.75		
01 22 23 00-0718	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set 9,370.50 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 3,748.20 For >320 Hours Usage Per Month, Add 7,496.40 For >6 Months (>26 Weeks), Deduct -374.82		
01 22 23 00-0719	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,108.92 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 843.57 For >16 To 24 Hours Usage Per Day, Add 1,687.14		
01 22 23 00-0720	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set 5,452.56 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 2,181.02 For >80 Hours Usage Per Week, Add 4,362.05		
01 22 23 00-0721	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set 14,420.00 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 5,768.00 For >320 Hours Usage Per Month, Add 11,536.00 For >6 Months (>26 Weeks), Deduct -576.80		
01 22 23 00-0722	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set 2,703.75 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 1,081.50 For >16 To 24 Hours Usage Per Day, Add 2,163.00		
01 22 23 00-0723	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set 7,029.75 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 2,811.90 For >80 Hours Usage Per Week, Add 5,623.80		
01 22 23 00-0724	MO		500.0 KW, 60 Hertz Container Diesel Powered Generator Set 16,222.50 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 6,489.00 For >320 Hours Usage Per Month, Add 12,978.00 For >6 Months (>26 Weeks), Deduct -648.90		
01 22 23 00-0725	DAY		640.0 KW, 60 Hertz Container Diesel Powered Generator Set 3,343.64 Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 1,337.46 For >16 To 24 Hours Usage Per Day, Add 2,674.91		
01 22 23 00-0726	WK		640.0 KW, 60 Hertz Container Diesel Powered Generator Set 8,832.25 Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 3,532.90 For >80 Hours Usage Per Week, Add 7,065.80		
01 22 23 00-0727	MO		640.0 KW, 60 Hertz Container Diesel Powered Generator Set 21,630.00 Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 8,652.00 For >320 Hours Usage Per Month, Add 17,304.00 For >6 Months (>26 Weeks), Deduct -865.20		
01 22 23 00-0728	DAY		750.0 KW, 60 Hertz Container Diesel Powered Generator Set 3,614.01 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 1,445.60 For >16 To 24 Hours Usage Per Day, Add 2,891.21		
01 22 23 00-0729	WK		750.0 KW, 60 Hertz Container Diesel Powered Generator Set 8,327.55 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 3,331.02 For >80 Hours Usage Per Week, Add 6,662.04		
01 22 23 00-0730	MO		750.0 KW, 60 Hertz Container Diesel Powered Generator Set 24,982.65 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 9,993.06 For >320 Hours Usage Per Month, Add 19,986.12 For >6 Months (>26 Weeks), Deduct -999.31		
01 22 23 00-0731	DAY		1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....4,100.69 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 1,640.28 For >16 To 24 Hours Usage Per Day, Add 3,280.55		
01 22 23 00-0732	WK		1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....10,715.86 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 4,286.34 For >80 Hours Usage Per Week, Add 8,572.69		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0733 MO 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	29,353.71	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	11,741.48	
For >320 Hours Usage Per Month, Add	23,482.97	
For >6 Months (>26 Weeks), Deduct	-1,174.15	
01 22 23 00-0734 DAY 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,407.50	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	2,163.00	
For >16 To 24 Hours Usage Per Day, Add	4,326.00	
01 22 23 00-0735 WK 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	16,222.50	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	6,489.00	
For >80 Hours Usage Per Week, Add	12,978.00	
01 22 23 00-0736 MO 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	46,513.51	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	18,605.40	
For >320 Hours Usage Per Month, Add	37,210.81	
01 22 23 00-0737 DAY 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,128.89	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	2,851.56	
For >16 To 24 Hours Usage Per Day, Add	5,703.11	
01 22 23 00-0738 WK 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	17,826.72	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	7,130.69	
For >80 Hours Usage Per Week, Add	14,261.38	
01 22 23 00-0739 MO 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	48,667.50	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	19,467.00	
For >320 Hours Usage Per Month, Add	38,934.00	
For >6 Months (>26 Weeks), Deduct	-1,946.70	
01 22 23 00-0740 EA Delivery, Set-up, Testing And Pick-up For Up To 160 KW Towable Generator Set.....	940.97	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
01 22 23 00-0741 EA Delivery, Set-up, Testing And Pick-up For 175 To 300 KW Towable Generator Set	1,274.01	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
01 22 23 00-0742 EA Delivery, Set-up, Testing And Pick-up For 350 To 450 KW Towable Generator Set	1,657.04	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
01 22 23 00-0743 EA Delivery, Set-up, Testing And Pick-up For 500 To 750 KW Towable Generator Set	2,094.14	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
01 22 23 00-0744 EA Delivery, Set-up, Testing And Pick-up For 1,000 To 2,000 KW Towable Generator Set	2,889.27	
Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.		
01 22 23 00-0745 Cabling For Generator Sets (01 22 23 00-0650)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0746 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	27.49	
For Half Day Usage, Deduct	-8.59	
01 22 23 00-0747 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	48.10	
01 22 23 00-0748 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	144.31	
For >6 Months (>26 Weeks), Deduct	-5.77	
01 22 23 00-0749 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	13.74	
For Half Day Usage, Deduct	-4.29	
01 22 23 00-0750 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	39.98	
01 22 23 00-0751 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	111.20	
For >6 Months (>26 Weeks), Deduct	-4.45	
01 22 23 00-0752 Resistive Loadbanks For Generator Sets (01 22 23 00-0650)		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0773 for reimbursable fuel fees.		
01 22 23 00-0753 DAY 100 KW A/C Resistive Loadbank.....	371.52	
01 22 23 00-0754 WK 100 KW A/C Resistive Loadbank.....	706.62	
01 22 23 00-0755 MO 100 KW A/C Resistive Loadbank.....	1,930.46	
For >6 Months (>26 Weeks), Deduct	-77.22	
01 22 23 00-0756 DAY 650 KW A/C Resistive Loadbank.....	691.12	
01 22 23 00-0757 WK 650 KW A/C Resistive Loadbank.....	1,848.23	
01 22 23 00-0758 MO 650 KW A/C Resistive Loadbank.....	4,712.20	
For >6 Months (>26 Weeks), Deduct	-188.49	
01 22 23 00-0759 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0650)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0760 DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	67.47	
For Half Day Usage, Deduct	-21.08	
01 22 23 00-0761 WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	174.92	
01 22 23 00-0762 MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	493.51	
For >6 Months (>26 Weeks), Deduct	-19.74	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0763		Portable Distribution Panels For Generator Sets (01 22 23 00-0650) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0764	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	149.93	
		<i>For Half Day Usage, Deduct</i>	-46.85	
01 22 23 00-0765	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	406.06	
01 22 23 00-0766	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	1,136.95	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-45.48	
01 22 23 00-0767	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	122.44	
		<i>For Half Day Usage, Deduct</i>	-38.26	
01 22 23 00-0768	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	318.60	
01 22 23 00-0769	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	905.82	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-36.23	
01 22 23 00-0770	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	156.18	
		<i>For Half Day Usage, Deduct</i>	-48.81	
01 22 23 00-0771	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	393.56	
01 22 23 00-0772	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	1,068.24	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-42.73	
01 22 23 00-0773		Fuel Reimbursement For Generators (01 22 23 00-0650)		
01 22 23 00-0774	EA	Fuel Reimbursement For Generators	1.00	
		Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0775		Generator Accessories (01 22 23 00-0650) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0776		Step Down Transformer (01 22 23 00-0775)		
01 22 23 00-0777	WK	75 KVA, 480-208 Volt, Step Down Transformer	368.57	
01 22 23 00-0778	MO	75 KVA, 480-208 Volt, Step Down Transformer	1,030.76	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-41.23	
01 22 23 00-0779	WK	150 KVA, 480-208 Volt, Step Down Transformer	590.97	
01 22 23 00-0780	MO	150 KVA, 480-208 Volt, Step Down Transformer	1,771.65	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-70.87	
01 22 23 00-0781	WK	225 KVA, 480-208 Volt, Step Down Transformer	787.12	
01 22 23 00-0782	MO	225 KVA, 480-208 Volt, Step Down Transformer	2,361.37	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-94.45	
01 22 23 00-0783	WK	500 KVA, 480-208 Volt, Step Down Transformer	937.05	
01 22 23 00-0784	MO	500 KVA, 480-208 Volt, Step Down Transformer	2,811.15	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-112.45	
01 22 23 00-0785	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,399.33	
01 22 23 00-0786	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	4,179.24	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-167.17	
01 22 23 00-0787	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	2,273.91	
01 22 23 00-0788	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	6,815.48	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-272.62	
01 22 23 00-0789	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,623.74	
01 22 23 00-0790	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,871.22	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-314.85	
01 22 23 00-0791		Portable Panel (01 22 23 00-0775)		
01 22 23 00-0792	WK	100 Amperes, Portable Panel.....	293.61	
01 22 23 00-0793	MO	100 Amperes, Portable Panel.....	749.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-29.99	
01 22 23 00-0794	WK	200 Amperes, Portable Panel.....	351.08	
01 22 23 00-0795	MO	200 Amperes, Portable Panel.....	937.05	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-37.48	
01 22 23 00-0796	WK	400 Amperes, Portable Panel.....	374.82	
01 22 23 00-0797	MO	400 Amperes, Portable Panel.....	1,124.46	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-44.98	
01 22 23 00-0798		Portable Fusible Disconnect (01 22 23 00-0775)		
01 22 23 00-0799	WK	100 - 200 Amperes, Portable Fusible Disconnect.....	131.19	
01 22 23 00-0800	MO	100 - 200 Amperes, Portable Fusible Disconnect.....	393.56	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-15.74	
01 22 23 00-0801	WK	300 - 400 Amperes, Portable Fusible Disconnect.....	262.37	
01 22 23 00-0802	MO	300 - 400 Amperes, Portable Fusible Disconnect.....	787.12	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-31.48	
01 22 23 00-0803		Portable Transfer Switch (01 22 23 00-0775)		
01 22 23 00-0804	WK	100 Amperes, 480 Volt, Portable Transfer Switch	393.56	
01 22 23 00-0805	MO	100 Amperes, 480 Volt, Portable Transfer Switch	1,180.68	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-47.23	
01 22 23 00-0806	WK	200 Amperes, 480 Volt, Portable Transfer Switch	524.75	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0807	MO	200 Amperes, 480 Volt, Portable Transfer Switch <i>For >6 Months (>26 Weeks), Deduct</i>	1,574.24 -62.97	
01 22 23 00-0808	WK	400 Amperes, 480 Volt, Portable Transfer Switch	655.94	
01 22 23 00-0809	MO	400 Amperes, 480 Volt, Portable Transfer Switch <i>For >6 Months (>26 Weeks), Deduct</i>	1,967.80 -78.71	
01 22 23 00-0810		Welding Machines (01 22 23 00-0835) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0811		CC/CV Inverter Welder (01 22 23 00-0810) Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0773 for reimbursable fuel fees.		
01 22 23 00-0812	DAY	250 Amperes, CC Inverter Welder <i>For Half Day Usage, Deduct</i>	42.92 -13.41	
01 22 23 00-0813	WK	250 Amperes, CC Inverter Welder	93.49	
01 22 23 00-0814	MO	250 Amperes, CC Inverter Welder <i>For >6 Months (>26 Weeks), Deduct</i>	283.55 -11.34	
01 22 23 00-0815	DAY	300 Amperes, CC/CV Inverter Welder <i>For Half Day Usage, Deduct</i>	49.05 -15.33	
01 22 23 00-0816	WK	300 Amperes, CC/CV Inverter Welder	130.28	
01 22 23 00-0817	MO	300 Amperes, CC/CV Inverter Welder <i>For >6 Months (>26 Weeks), Deduct</i>	344.86 -13.79	
01 22 23 00-0818	DAY	350 Amperes, CC/CV Inverter Welder <i>For Half Day Usage, Deduct</i>	50.58 -15.81	
01 22 23 00-0819	WK	350 Amperes, CC/CV Inverter Welder	133.34	
01 22 23 00-0820	MO	350 Amperes, CC/CV Inverter Welder <i>For >6 Months (>26 Weeks), Deduct</i>	375.51 -15.02	
01 22 23 00-0821		MIG Welder (01 22 23 00-0810) Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0773 for reimbursable fuel fees.		
01 22 23 00-0822	DAY	115 Volt MIG Welder <i>For Half Day Usage, Deduct</i>	73.57 -22.99	
01 22 23 00-0823	WK	115 Volt MIG Welder	191.59	
01 22 23 00-0824	MO	115 Volt MIG Welder <i>For >6 Months (>26 Weeks), Deduct</i>	521.12 -20.84	
01 22 23 00-0825		Diesel Powered Towable Welding Machines (01 22 23 00-0810) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0826	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine <i>For Half Day Usage, Deduct</i>	137.94 -43.11	
01 22 23 00-0827	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine	337.19	
01 22 23 00-0828	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine <i>For >6 Months (>26 Weeks), Deduct</i>	804.67 -32.19	
01 22 23 00-0829	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine <i>For Half Day Usage, Deduct</i>	183.92 -57.48	
01 22 23 00-0830	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	360.18	
01 22 23 00-0831	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine <i>For >6 Months (>26 Weeks), Deduct</i>	841.45 -33.66	
01 22 23 00-0832	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine <i>For Half Day Usage, Deduct</i>	191.59 -59.87	
01 22 23 00-0833	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	383.18	
01 22 23 00-0834	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine <i>For >6 Months (>26 Weeks), Deduct</i>	934.95 -37.40	
01 22 23 00-0835		General Equipment (01 22 23)		
01 22 23 00-0836		Jacks And Bracing (01 22 23 00-0835) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0837		Manual Hydraulic Jacks (01 22 23 00-0836)		
01 22 23 00-0838	DAY	12 Ton Manual Hydraulic Bottle Jack <i>For Half Day Usage, Deduct</i>	1.67 -0.52	
01 22 23 00-0839	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0840	MO	12 Ton Manual Hydraulic Bottle Jack <i>For >6 Months (>26 Weeks), Deduct</i>	28.50 -1.14	
01 22 23 00-0841	DAY	20 Ton Manual Hydraulic Bottle Jack <i>For Half Day Usage, Deduct</i>	2.92 -0.91	
01 22 23 00-0842	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0843	MO	20 Ton Manual Hydraulic Bottle Jack <i>For >6 Months (>26 Weeks), Deduct</i>	34.76 -1.39	
01 22 23 00-0844	DAY	50 Ton Manual Hydraulic Bottle Jack <i>For Half Day Usage, Deduct</i>	10.43 -3.26	
01 22 23 00-0845	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0846	MO	50 Ton Manual Hydraulic Bottle Jack <i>For >6 Months (>26 Weeks), Deduct</i>	145.66 -5.83	
01 22 23 00-0847	DAY	100 Ton Manual Hydraulic Bottle Jack <i>For Half Day Usage, Deduct</i>	14.61 -4.57	
01 22 23 00-0848	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0849	MO	100 Ton Manual Hydraulic Bottle Jack <i>For >6 Months (>26 Weeks), Deduct</i>	210.46 -8.42	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0850 Manual Screw Jacks (01 22 23 00-0836)		
01 22 23 00-0851 DAY 10 To 20 Ton Manual Screw Jack	19.16	
For Half Day Usage, Deduct	-5.99	
01 22 23 00-0852 WK 10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0853 MO 10 To 20 Ton Manual Screw Jack	152.12	
For >6 Months (>26 Weeks), Deduct	-6.08	
01 22 23 00-0854 Shores/Braces (01 22 23 00-0836)		
01 22 23 00-0855 MO Up To 5' Height, Adjustable Tubular Steel Shoring.....	15.78	
01 22 23 00-0856 MO Up To 10' Height, Adjustable Tubular Steel Shoring.....	20.28	
01 22 23 00-0857 MO >10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0858 MO Up To 10' Height, Adjustable Wood Shoring.....	6.21	
01 22 23 00-0859 MO >10' To 16' Height, Adjustable Wood Shoring	8.28	
01 22 23 00-0860 EA Erect And Strip Shores To 10'	11.66	
For >20 To 50, Deduct	-1.75	
For >50 To 100, Deduct	-4.08	
For >100, Deduct	-6.41	
01 22 23 00-0861 EA Erect And Strip Shores To 13'	13.99	
For >20 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-4.90	
For >100, Deduct	-7.69	
01 22 23 00-0862 EA Erect And Strip Shores To 16'	16.31	
For >20 To 50, Deduct	-2.45	
For >50 To 100, Deduct	-5.71	
For >100, Deduct	-8.97	
01 22 23 00-0863 Pressure Washers (01 22 23 00-0835)		
Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0864 DAY 2,000 PSI Pressure Washer With Full-Time Operator	855.26	
For Equipment Without Operator, Deduct	-741.13	
For Half Day Usage, Deduct	-406.23	
01 22 23 00-0865 WK 2,000 PSI Pressure Washer With Full-Time Operator	3,995.38	
For Equipment Without Operator, Deduct	-3,705.66	
01 22 23 00-0866 MO 2,000 PSI Pressure Washer With Full-Time Operator	16,795.32	
For Equipment Without Operator, Deduct	-16,057.84	
For >6 Months (>26 Weeks), Deduct	-29.50	
01 22 23 00-0867 DAY 2,500 PSI Pressure Washer With Full-Time Operator	855.26	
For Equipment Without Operator, Deduct	-741.13	
For Half Day Usage, Deduct	-406.23	
01 22 23 00-0868 WK 2,500 PSI Pressure Washer With Full-Time Operator	3,995.38	
For Equipment Without Operator, Deduct	-3,705.66	
01 22 23 00-0869 MO 2,500 PSI Pressure Washer With Full-Time Operator	16,795.32	
For Equipment Without Operator, Deduct	-16,057.84	
For >6 Months (>26 Weeks), Deduct	-29.50	
01 22 23 00-0870 DAY 3,000 PSI Pressure Washer With Full-Time Operator	855.26	
For Equipment Without Operator, Deduct	-741.13	
For Half Day Usage, Deduct	-406.23	
01 22 23 00-0871 WK 3,000 PSI Pressure Washer With Full-Time Operator	3,995.38	
For Equipment Without Operator, Deduct	-3,705.66	
01 22 23 00-0872 MO 3,000 PSI Pressure Washer With Full-Time Operator	16,795.32	
For Equipment Without Operator, Deduct	-16,057.84	
For >6 Months (>26 Weeks), Deduct	-29.50	
01 22 23 00-0873 DAY 3,500 PSI Pressure Washer With Full-Time Operator	864.04	
For Equipment Without Operator, Deduct	-741.13	
For Half Day Usage, Deduct	-408.97	
01 22 23 00-0874 WK 3,500 PSI Pressure Washer With Full-Time Operator	4,021.72	
For Equipment Without Operator, Deduct	-3,705.66	
01 22 23 00-0875 MO 3,500 PSI Pressure Washer With Full-Time Operator	16,865.55	
For Equipment Without Operator, Deduct	-16,057.84	
For >6 Months (>26 Weeks), Deduct	-32.31	
01 22 23 00-0876 DAY 4,000 PSI Pressure Washer With Full-Time Operator	899.16	
For Equipment Without Operator, Deduct	-741.13	
For Half Day Usage, Deduct	-419.95	
01 22 23 00-0877 WK 4,000 PSI Pressure Washer With Full-Time Operator	4,135.86	
For Equipment Without Operator, Deduct	-3,705.66	
01 22 23 00-0878 MO 4,000 PSI Pressure Washer With Full-Time Operator	17,260.63	
For Equipment Without Operator, Deduct	-16,057.84	
For >6 Months (>26 Weeks), Deduct	-48.11	
01 22 23 00-0879 DAY 5,000 PSI Pressure Washer With Full-Time Operator	916.72	
For Equipment Without Operator, Deduct	-741.13	
For Half Day Usage, Deduct	-425.44	
01 22 23 00-0880 WK 5,000 PSI Pressure Washer With Full-Time Operator	4,179.75	
For Equipment Without Operator, Deduct	-3,705.66	
01 22 23 00-0881 MO 5,000 PSI Pressure Washer With Full-Time Operator	17,392.32	
For Equipment Without Operator, Deduct	-16,057.84	
For >6 Months (>26 Weeks), Deduct	-53.38	
01 22 23 00-0882 Confined Space Entry Equipment (01 22 23 00-0835)		
Note: Includes delivery to job site, set-up, and pick-up when complete.		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0883 DAY Ventilation Equipment For Confined Space 43.28 Note: Includes electric or gas blower and ventilation duct up to 25'. For Half Day Usage, Deduct .....-13.53		
01 22 23 00-0884 WK Ventilation Equipment For Confined Space 129.84 Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0885 MO Ventilation Equipment For Confined Space 387.47 Note: Includes electric or gas blower and ventilation duct up to 25'. For >6 Months (>26 Weeks), Deduct .....-15.50		
01 22 23 00-0886 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly 66.13 For Half Day Usage, Deduct .....-20.67		
01 22 23 00-0887 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly 198.38		
01 22 23 00-0888 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly 595.14 For >6 Months (>26 Weeks), Deduct .....-23.81		
01 22 23 00-0889 DAY Confined Space Air Monitor Personnel 741.13 Note: Per person day. For Half Day Usage, Deduct .....-370.57		
01 22 23 00-0890 Mowers (01 22 23 00-0835) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0891 DAY 21" Walk Behind Lawn Mower 96.73 For Half Day Usage, Deduct .....-30.23		
01 22 23 00-0892 WK 21" Walk Behind Lawn Mower 278.10		
01 22 23 00-0893 MO 21" Walk Behind Lawn Mower 568.30 For >6 Months (>26 Weeks), Deduct .....-22.73		
01 22 23 00-0894 DAY 32" Walk Behind Lawn Mower 120.92 For Half Day Usage, Deduct .....-37.79		
01 22 23 00-0895 WK 32" Walk Behind Lawn Mower 290.20		
01 22 23 00-0896 MO 32" Walk Behind Lawn Mower 604.58 For >6 Months (>26 Weeks), Deduct .....-24.18		
01 22 23 00-0897 DAY 36" To 48" Walk Behind Deck Mower 217.65 For Half Day Usage, Deduct .....-68.02		
01 22 23 00-0898 WK 36" To 48" Walk Behind Deck Mower 604.58		
01 22 23 00-0899 MO 36" To 48" Walk Behind Deck Mower 1,753.27 For >6 Months (>26 Weeks), Deduct .....-70.13		
01 22 23 00-0900 DAY 61" To 72" Walk Behind Deck Mower 217.65 For Half Day Usage, Deduct .....-68.02		
01 22 23 00-0901 WK 61" To 72" Walk Behind Deck Mower 604.58		
01 22 23 00-0902 MO 61" To 72" Walk Behind Deck Mower 1,753.27 For >6 Months (>26 Weeks), Deduct .....-70.13		
01 22 23 00-0903 Trailer Mounted Brush Chipper (01 22 23 00-0835) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0904 DAY 4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 187.47 For Half Day Usage, Deduct .....-58.58		
01 22 23 00-0905 WK 4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 448.30		
01 22 23 00-0906 MO 4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 1,377.52 For >6 Months (>26 Weeks), Deduct .....-55.10		
01 22 23 00-0907 DAY 6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 244.53 For Half Day Usage, Deduct .....-76.42		
01 22 23 00-0908 WK 6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 551.01		
01 22 23 00-0909 MO 6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 1,467.18 For >6 Months (>26 Weeks), Deduct .....-58.69		
01 22 23 00-0910 DAY 9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 456.46 For Half Day Usage, Deduct .....-142.64		
01 22 23 00-0911 WK 9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 1,027.03		
01 22 23 00-0912 MO 9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 2,738.74 For >6 Months (>26 Weeks), Deduct .....-109.55		
01 22 23 00-0913 DAY 12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 514.51 For Half Day Usage, Deduct .....-160.78		
01 22 23 00-0914 WK 12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 1,157.65		
01 22 23 00-0915 MO 12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup 3,087.07 For >6 Months (>26 Weeks), Deduct .....-123.48		
01 22 23 00-0916 Material Handling Equipment (01 22 23)		
01 22 23 00-0917 Truck Mounted Hydraulic Cranes (01 22 23 00-0916) Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0918 DAY 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator 1,520.61 For Equipment Without Operator, Deduct .....-1,032.34 For Half Day Usage, Deduct .....-668.75		
01 22 23 00-0919 WK 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator 6,640.86 For Equipment Without Operator, Deduct .....-5,161.68		
01 22 23 00-0920 MO 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator 26,819.19 For Equipment Without Operator, Deduct .....-22,367.28 For >6 Months (>26 Weeks), Deduct .....-178.08		
01 22 23 00-0921 DAY 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator 1,649.86 For Equipment Without Operator, Deduct .....-1,032.34 For Half Day Usage, Deduct .....-709.15		
01 22 23 00-0922 WK 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator 7,025.02 For Equipment Without Operator, Deduct .....-5,161.68		



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0923 MO 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,968.07	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-224.03	
01 22 23 00-0924 DAY 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,779.11	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-749.54	
01 22 23 00-0925 WK 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,409.18	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0926 MO 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,116.95	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-269.99	
01 22 23 00-0927 DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,951.44	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-803.39	
01 22 23 00-0928 WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,926.17	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0929 MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,660.76	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-331.74	
01 22 23 00-0930 DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,109.42	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-852.76	
01 22 23 00-0931 WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,996.07	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0932 MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,867.57	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-460.01	
01 22 23 00-0933 DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,482.80	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-969.44	
01 22 23 00-0934 WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,331.64	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0935 MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,877.16	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-620.40	
01 22 23 00-0936 DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,719.76	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-1,043.49	
01 22 23 00-0937 WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,164.58	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0938 MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	40,381.72	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-720.58	
01 22 23 00-0939 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,906.45	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-1,101.63	
01 22 23 00-0940 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,839.54	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0941 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	42,403.75	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-801.46	
01 22 23 00-0942 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,093.14	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-1,160.17	
01 22 23 00-0943 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,514.51	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0944 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	44,425.78	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-882.34	
01 22 23 00-0945 DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,215.21	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-1,198.32	
01 22 23 00-0946 WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,930.98	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0947 MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,689.54	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-932.89	
01 22 23 00-0948 DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,380.36	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-1,249.93	
01 22 23 00-0949 WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,548.50	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0950 MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	47,527.75	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,006.42	
01 22 23 00-0951 DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,911.72	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-1,415.98	
01 22 23 00-0952 WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,239.51	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0953 MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	52,600.78	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,209.34	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0954 DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,277.93	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-1,530.42	
01 22 23 00-0955 WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,521.23	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0956 MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	56,445.93	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,363.15	
01 22 23 00-0957 DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,938.53	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-1,736.85	
01 22 23 00-0958 WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,833.35	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0959 MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	63,382.30	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,640.60	
01 22 23 00-0960 DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,398.08	
For Equipment Without Operator, Deduct	-1,032.34	
For Half Day Usage, Deduct	-1,880.46	
01 22 23 00-0961 WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,441.78	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0962 MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	68,207.59	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,833.61	
01 22 23 00-0963 Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0916)		
Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.		
01 22 23 00-0964 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,755.66	
For Equipment Without Operator, Deduct	-1,032.34	
01 22 23 00-0965 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,308.19	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0966 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	40,806.80	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-737.58	
01 22 23 00-0967 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,084.05	
For Equipment Without Operator, Deduct	-1,032.34	
01 22 23 00-0968 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	13,519.78	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0969 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	47,441.59	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,002.97	
01 22 23 00-0970 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,299.47	
For Equipment Without Operator, Deduct	-1,032.34	
01 22 23 00-0971 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,092.31	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0972 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	52,157.74	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,191.62	
01 22 23 00-0973 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,730.30	
For Equipment Without Operator, Deduct	-1,032.34	
01 22 23 00-0974 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	16,664.84	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0975 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	56,868.15	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,380.03	
01 22 23 00-0976 DAY 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,934.94	
For Equipment Without Operator, Deduct	-1,032.34	
01 22 23 00-0977 WK 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,237.37	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0978 MO 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	61,590.04	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,568.91	
01 22 23 00-0979 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,139.59	
For Equipment Without Operator, Deduct	-1,032.34	
01 22 23 00-0980 WK 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,809.90	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0981 MO 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	66,311.94	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-1,757.79	
01 22 23 00-0982 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,814.55	
For Equipment Without Operator, Deduct	-1,032.34	
01 22 23 00-0983 WK 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	22,229.73	
For Equipment Without Operator, Deduct	-5,161.68	
01 22 23 00-0984 MO 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	73,561.37	
For Equipment Without Operator, Deduct	-22,367.28	
For >6 Months (>26 Weeks), Deduct	-2,047.76	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0985	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	9,964.88	
		<i>For Equipment Without Operator, Deduct</i>	-1,032.34	
01 22 23 00-0986	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	37,021.56	
		<i>For Equipment Without Operator, Deduct</i>	-5,161.68	
01 22 23 00-0987	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	117,954.10	
		<i>For Equipment Without Operator, Deduct</i>	-22,367.28	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-3,823.47	
01 22 23 00-0988 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0916)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0989	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,621.76	
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Half Day Usage, Deduct</i>	-687.63	
01 22 23 00-0990	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,430.90	
		<i>For Equipment Without Operator, Deduct</i>	-4,822.19	
01 22 23 00-0991	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,355.75	
		<i>For Equipment Without Operator, Deduct</i>	-20,896.15	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-138.38	
01 22 23 00-0992	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,690.96	
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Half Day Usage, Deduct</i>	-709.26	
01 22 23 00-0993	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,586.59	
		<i>For Equipment Without Operator, Deduct</i>	-4,822.19	
01 22 23 00-0994	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,701.71	
		<i>For Equipment Without Operator, Deduct</i>	-20,896.15	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-152.22	
01 22 23 00-0995	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,673.66	
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Half Day Usage, Deduct</i>	-703.85	
01 22 23 00-0996	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,664.43	
		<i>For Equipment Without Operator, Deduct</i>	-4,822.19	
01 22 23 00-0997	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,220.65	
		<i>For Equipment Without Operator, Deduct</i>	-20,896.15	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-172.98	
01 22 23 00-0998	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,872.58	
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Half Day Usage, Deduct</i>	-766.01	
01 22 23 00-0999	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,183.37	
		<i>For Equipment Without Operator, Deduct</i>	-4,822.19	
01 22 23 00-1000	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	26,431.51	
		<i>For Equipment Without Operator, Deduct</i>	-20,896.15	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-221.41	
01 22 23 00-1001 Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0916)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-1002	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,391.70	
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	85.45	
		<i>For Half Day Usage, Deduct</i>	-615.74	
01 22 23 00-1003	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,988.94	
		<i>For Equipment Without Operator, Deduct</i>	-4,822.19	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	233.35	
01 22 23 00-1004	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,566.53	
		<i>For Equipment Without Operator, Deduct</i>	-20,896.15	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	534.08	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-106.82	
01 22 23 00-1005	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,414.19	
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	89.95	
		<i>For Half Day Usage, Deduct</i>	-622.77	
01 22 23 00-1006	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,050.35	
		<i>For Equipment Without Operator, Deduct</i>	-4,822.19	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	245.63	
01 22 23 00-1007	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,707.07	
		<i>For Equipment Without Operator, Deduct</i>	-20,896.15	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	562.18	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-112.44	
01 22 23 00-1008	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,535.27	
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	114.17	
		<i>For Half Day Usage, Deduct</i>	-660.60	
01 22 23 00-1009	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,387.66	
		<i>For Equipment Without Operator, Deduct</i>	-4,822.19	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	313.09	
01 22 23 00-1010	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,485.49	
		<i>For Equipment Without Operator, Deduct</i>	-20,896.15	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	717.87	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-143.57	
01 22 23 00-1011	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,601.96	
		<i>For Equipment Without Operator, Deduct</i>	-964.44	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	127.50	
		<i>For Half Day Usage, Deduct</i>	-681.45	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1012 WK 10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,358.77	
For Equipment Without Operator, Deduct	-4,822.19	
For Propane Instead Of Gas Or Diesel, Add	307.32	
01 22 23 00-1013 MO 10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,721.26	
For Equipment Without Operator, Deduct	-20,896.15	
For Propane Instead Of Gas Or Diesel, Add	765.02	
For >6 Months (>26 Weeks), Deduct	-153.00	
01 22 23 00-1014 Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0916)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1015 DAY 5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,327.70	
For Equipment Without Operator, Deduct	-964.44	
For Propane Instead Of Gas Or Diesel, Add	72.65	
For Half Day Usage, Deduct	-595.74	
01 22 23 00-1016 WK 5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,652.49	
For Equipment Without Operator, Deduct	-4,822.19	
For Propane Instead Of Gas Or Diesel, Add	166.06	
01 22 23 00-1017 MO 5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	22,885.42	
For Equipment Without Operator, Deduct	-20,896.15	
For Propane Instead Of Gas Or Diesel, Add	397.85	
For >6 Months (>26 Weeks), Deduct	-79.57	
01 22 23 00-1018 DAY 6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,336.35	
For Equipment Without Operator, Deduct	-964.44	
For Propane Instead Of Gas Or Diesel, Add	74.38	
For Half Day Usage, Deduct	-598.44	
01 22 23 00-1019 WK 6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,678.44	
For Equipment Without Operator, Deduct	-4,822.19	
For Propane Instead Of Gas Or Diesel, Add	171.25	
01 22 23 00-1020 MO 6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	22,945.96	
For Equipment Without Operator, Deduct	-20,896.15	
For Propane Instead Of Gas Or Diesel, Add	409.96	
For >6 Months (>26 Weeks), Deduct	-81.99	
01 22 23 00-1021 DAY 8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,517.98	
For Equipment Without Operator, Deduct	-964.44	
For Propane Instead Of Gas Or Diesel, Add	110.71	
For Half Day Usage, Deduct	-655.20	
01 22 23 00-1022 WK 8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,076.29	
For Equipment Without Operator, Deduct	-4,822.19	
For Propane Instead Of Gas Or Diesel, Add	250.82	
01 22 23 00-1023 MO 8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,923.30	
For Equipment Without Operator, Deduct	-20,896.15	
For Propane Instead Of Gas Or Diesel, Add	605.43	
For >6 Months (>26 Weeks), Deduct	-121.09	
01 22 23 00-1024 DAY 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,535.27	
For Equipment Without Operator, Deduct	-964.44	
For Propane Instead Of Gas Or Diesel, Add	114.17	
For Half Day Usage, Deduct	-660.60	
01 22 23 00-1025 WK 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,223.33	
For Equipment Without Operator, Deduct	-4,822.19	
For Propane Instead Of Gas Or Diesel, Add	280.23	
01 22 23 00-1026 MO 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,442.24	
For Equipment Without Operator, Deduct	-20,896.15	
For Propane Instead Of Gas Or Diesel, Add	709.22	
For >6 Months (>26 Weeks), Deduct	-141.84	
01 22 23 00-1027 DAY 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,690.96	
For Equipment Without Operator, Deduct	-964.44	
For Propane Instead Of Gas Or Diesel, Add	145.30	
For Half Day Usage, Deduct	-709.26	
01 22 23 00-1028 WK 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,474.15	
For Equipment Without Operator, Deduct	-4,822.19	
For Propane Instead Of Gas Or Diesel, Add	330.39	
01 22 23 00-1029 MO 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,874.69	
For Equipment Without Operator, Deduct	-20,896.15	
For Propane Instead Of Gas Or Diesel, Add	795.71	
For >6 Months (>26 Weeks), Deduct	-159.14	
01 22 23 00-1030 Chain Hoists (01 22 23 00-0916)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1031 DAY 1 Ton, 20' Lift, Manual Chain Hoist	12.52	
For Half Day Usage, Deduct	-3.91	
01 22 23 00-1032 WK 1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1033 MO 1 Ton, 20' Lift, Manual Chain Hoist	96.40	
For >6 Months (>26 Weeks), Deduct	-3.86	
01 22 23 00-1034 DAY 3 Ton, 20' Lift, Manual Chain Hoist	35.06	
For Half Day Usage, Deduct	-10.96	
01 22 23 00-1035 WK 3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1036 MO 3 Ton, 20' Lift, Manual Chain Hoist	231.62	
For >6 Months (>26 Weeks), Deduct	-9.26	
01 22 23 00-1037 DAY 5 Ton, 20' Lift, Manual Chain Hoist	45.07	
For Half Day Usage, Deduct	-14.08	
01 22 23 00-1038 WK 5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1039 MO 5 Ton, 20' Lift, Manual Chain Hoist	338.04	
For >6 Months (>26 Weeks), Deduct	-13.52	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1040 DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For Half Day Usage, Deduct</i>	88.89 -27.78	
01 22 23 00-1041 WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1042 MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	626.00 -25.04	
01 22 23 00-1043 DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For Half Day Usage, Deduct</i>	90.14 -28.17	
01 22 23 00-1044 WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-1045 MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	657.30 -26.29	
01 22 23 00-1046 DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For Half Day Usage, Deduct</i>	92.65 -28.95	
01 22 23 00-1047 WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1048 MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	719.90 -28.80	
01 22 23 00-1049 Roof Swing Hoist (01 22 23 00-0916) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1050 DAY Up To 400 Lb., Manual Swing Roof Hoist..... <i>For Half Day Usage, Deduct</i>	103.38 -32.31	
01 22 23 00-1051 WK Up To 400 Lb., Manual Swing Roof Hoist.....	361.81	
01 22 23 00-1052 MO Up To 400 Lb., Manual Swing Roof Hoist..... <i>For >6 Months (>26 Weeks), Deduct</i>	1,240.50 -49.62	
01 22 23 00-1053 Truck Mounted Digger Derrick (01 22 23 00-0916) Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.		
01 22 23 00-1054 DAY Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,712.16 -1,032.34 -728.61	
01 22 23 00-1055 WK Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i>	7,201.14 -5,161.68	
01 22 23 00-1056 MO Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	27,805.84 -22,367.28 -217.54	
01 22 23 00-1057 DAY Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,851.89 -1,032.34 -772.28	
01 22 23 00-1058 WK Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i>	7,620.33 -5,161.68	
01 22 23 00-1059 MO Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	28,923.69 -22,367.28 -262.26	
01 22 23 00-1060 DAY Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,715.35 -1,032.34 -1,042.11	
01 22 23 00-1061 WK Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i>	10,210.71 -5,161.68	
01 22 23 00-1062 MO Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	35,831.36 -22,367.28 -538.56	
01 22 23 00-1063 Pumping Equipment (01 22 23)		
01 22 23 00-1064 Gas Powered Portable Centrifugal Pumps (01 22 23 00-1063) Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1088 for larger diameter pumps.		
01 22 23 00-1065 DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	84.86 33.94 67.89	
01 22 23 00-1066 WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	190.94 76.38 152.75	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1067 MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	509.16	
For >160 To 320 Hours Usage Per Month, Add	203.66	
For >320 Hours Usage Per Month, Add	407.33	
For >6 Months (>26 Weeks), Deduct	-20.37	
01 22 23 00-1068 DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	101.83	
For >8 To 16 Hours Usage Per Day, Add	40.73	
For >16 To 24 Hours Usage Per Day, Add	81.46	
01 22 23 00-1069 WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	229.12	
For >40 To 80 Hours Usage Per Week, Add	91.65	
For >80 Hours Usage Per Week, Add	183.30	
01 22 23 00-1070 MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	610.99	
For >160 To 320 Hours Usage Per Month, Add	244.40	
For >320 Hours Usage Per Month, Add	488.79	
For >6 Months (>26 Weeks), Deduct	-24.44	
01 22 23 00-1071 Gas Powered Portable Diaphragm Pumps (01 22 23 00-1063)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1072 DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	97.59	
For >8 To 16 Hours Usage Per Day, Add	39.04	
For >16 To 24 Hours Usage Per Day, Add	78.07	
01 22 23 00-1073 WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	275.80	
For >40 To 80 Hours Usage Per Week, Add	110.32	
For >80 Hours Usage Per Week, Add	220.64	
01 22 23 00-1074 MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	700.10	
For >160 To 320 Hours Usage Per Month, Add	280.04	
For >320 Hours Usage Per Month, Add	560.08	
For >6 Months (>26 Weeks), Deduct	-28.00	
01 22 23 00-1075 DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	118.80	
For >8 To 16 Hours Usage Per Day, Add	47.52	
For >16 To 24 Hours Usage Per Day, Add	95.04	
01 22 23 00-1076 WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	318.22	
For >40 To 80 Hours Usage Per Week, Add	127.29	
For >80 Hours Usage Per Week, Add	254.58	
01 22 23 00-1077 MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	901.64	
For >160 To 320 Hours Usage Per Month, Add	360.66	
For >320 Hours Usage Per Month, Add	721.31	
For >6 Months (>26 Weeks), Deduct	-36.07	
01 22 23 00-1078 Gas Powered Portable Trash Pumps (01 22 23 00-1063)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1079 DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	123.05	
For >8 To 16 Hours Usage Per Day, Add	49.22	
For >16 To 24 Hours Usage Per Day, Add	98.44	
01 22 23 00-1080 WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	254.58	
For >40 To 80 Hours Usage Per Week, Add	101.83	
For >80 Hours Usage Per Week, Add	203.66	
01 22 23 00-1081 MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	763.74	
For >160 To 320 Hours Usage Per Month, Add	305.50	
For >320 Hours Usage Per Month, Add	610.99	
For >6 Months (>26 Weeks), Deduct	-30.55	
01 22 23 00-1082 DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	123.05	
For >8 To 16 Hours Usage Per Day, Add	49.22	
For >16 To 24 Hours Usage Per Day, Add	98.44	
01 22 23 00-1083 WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	328.83	
For >40 To 80 Hours Usage Per Week, Add	131.53	
For >80 Hours Usage Per Week, Add	263.06	
01 22 23 00-1084 MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	901.64	
For >160 To 320 Hours Usage Per Month, Add	360.66	
For >320 Hours Usage Per Month, Add	721.31	
For >6 Months (>26 Weeks), Deduct	-36.07	
01 22 23 00-1085 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	195.18	
For >8 To 16 Hours Usage Per Day, Add	78.07	
For >16 To 24 Hours Usage Per Day, Add	156.14	
01 22 23 00-1086 WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	551.59	
For >40 To 80 Hours Usage Per Week, Add	220.64	
For >80 Hours Usage Per Week, Add	441.27	
01 22 23 00-1087 MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,601.73	
For >160 To 320 Hours Usage Per Month, Add	640.69	
For >320 Hours Usage Per Month, Add	1,281.38	
For >6 Months (>26 Weeks), Deduct	-64.07	
01 22 23 00-1088 Diesel Powered Portable Trash Pumps (01 22 23 00-1063)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1089 DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	381.87	
For >8 To 16 Hours Usage Per Day, Add	152.75	
For >16 To 24 Hours Usage Per Day, Add	305.50	
01 22 23 00-1090 WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	1,039.54	
For >40 To 80 Hours Usage Per Week, Add	415.82	
For >80 Hours Usage Per Week, Add	831.63	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1091 MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	4,529.40 1,811.76 3,623.52 -181.18	
01 22 23 00-1092 DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	583.41 233.36 466.73	
01 22 23 00-1093 WK 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,527.48 610.99 1,221.98	
01 22 23 00-1094 MO 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	4,062.67 1,625.07 3,250.14 -162.51	
01 22 23 00-1095 DAY 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	793.44 317.38 634.75	
01 22 23 00-1096 WK 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,123.62 649.45 1,698.90	
01 22 23 00-1097 MO 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	5,681.38 2,272.55 4,545.10 -227.26	
01 22 23 00-1098 DAY 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	1,026.81 410.72 821.45	
01 22 23 00-1099 WK 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,622.17 1,048.87 2,097.74	
01 22 23 00-1100 MO 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	7,701.04 3,080.42 6,160.83 -308.04	
01 22 23 00-1101 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-1063)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1102 DAY 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	545.23 218.09 436.18	
01 22 23 00-1103 WK 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,241.08 496.43 992.86	
01 22 23 00-1104 MO 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	3,869.62 1,547.65 3,095.70 -154.78	
01 22 23 00-1105 DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	668.27 267.31 534.62	
01 22 23 00-1106 WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,665.38 666.15 1,332.30	
01 22 23 00-1107 MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	4,529.40 1,811.76 3,623.52 -181.18	
01 22 23 00-1108 DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	806.17 322.47 644.94	
01 22 23 00-1109 WK 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,384.57 953.83 1,907.66	
01 22 23 00-1110 MO 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	6,650.90 2,660.36 5,320.72 -266.04	
01 22 23 00-1111 DAY 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	1,213.50 485.40 970.80	
01 22 23 00-1112 WK 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	3,099.51 1,239.80 2,479.61	
01 22 23 00-1113 MO 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	9,101.24 3,640.50 7,280.99 -364.05	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1114		3 Phase Electric Submersible Pumps (01 22 23 00-1063) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1115	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	212.15	
01 22 23 00-1116	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	530.38	
01 22 23 00-1117	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,591.12	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-63.64	
01 22 23 00-1118	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	280.04	
01 22 23 00-1119	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	700.10	
01 22 23 00-1120	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	2,100.28	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-84.01	
01 22 23 00-1121		Suction Hose With Couplings (01 22 23 00-1063) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1122	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.43	
		<i>For Half Day Usage, Deduct</i>	-2.01	
01 22 23 00-1123	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.08	
01 22 23 00-1124	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.32	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1.97	
01 22 23 00-1125	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.15	
		<i>For Half Day Usage, Deduct</i>	-5.36	
01 22 23 00-1126	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	43.96	
01 22 23 00-1127	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	134.01	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-5.36	
01 22 23 00-1128	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.73	
		<i>For Half Day Usage, Deduct</i>	-8.04	
01 22 23 00-1129	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.40	
01 22 23 00-1130	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	198.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-7.93	
01 22 23 00-1131	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.16	
		<i>For Half Day Usage, Deduct</i>	-10.05	
01 22 23 00-1132	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	80.41	
01 22 23 00-1133	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	235.86	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-9.43	
01 22 23 00-1134	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.05	
		<i>For Half Day Usage, Deduct</i>	-23.45	
01 22 23 00-1135	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	192.98	
01 22 23 00-1136	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	568.21	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-22.73	
01 22 23 00-1137	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	100.78	
		<i>For Half Day Usage, Deduct</i>	-31.49	
01 22 23 00-1138	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	219.78	
01 22 23 00-1139	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	659.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-26.37	
01 22 23 00-1140		Discharge Hose With Couplings (01 22 23 00-1063) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1141	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.43	
		<i>For Half Day Usage, Deduct</i>	-2.01	
01 22 23 00-1142	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.08	
01 22 23 00-1143	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.32	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1.97	
01 22 23 00-1144	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.50	
		<i>For Half Day Usage, Deduct</i>	-2.34	
01 22 23 00-1145	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.23	
01 22 23 00-1146	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	56.82	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-2.27	
01 22 23 00-1147	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.58	
		<i>For Half Day Usage, Deduct</i>	-2.68	
01 22 23 00-1148	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.44	
01 22 23 00-1149	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.40	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-2.62	
01 22 23 00-1150	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.51	
		<i>For Half Day Usage, Deduct</i>	-7.03	
01 22 23 00-1151	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.89	
01 22 23 00-1152	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	166.18	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-6.65	
01 22 23 00-1153	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	27.87	
		<i>For Half Day Usage, Deduct</i>	-8.71	
01 22 23 00-1154	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.12	
01 22 23 00-1155	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	209.06	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-8.36	
01 22 23 00-1156	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.44	
		<i>For Half Day Usage, Deduct</i>	-6.70	
01 22 23 00-1157	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	53.60	
01 22 23 00-1158	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	160.82	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-6.43	
01 22 23 00-1159	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.68	
		<i>For Half Day Usage, Deduct</i>	-17.09	
01 22 23 00-1160	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	139.37	
01 22 23 00-1161	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	412.76	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-16.51	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1162		Hydraulic Submersible Pumps (01 22 23 00-1063) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1163		Hydraulic Submersible Pumps (01 22 23 00-1162) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1164	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	140.02	
		For >8 To 16 Hours Usage Per Day, Add	56.01	
		For >16 To 24 Hours Usage Per Day, Add	112.02	
01 22 23 00-1165	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	375.51	
		For >40 To 80 Hours Usage Per Week, Add	150.20	
		For >80 Hours Usage Per Week, Add	300.41	
01 22 23 00-1166	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,050.14	
		For >160 To 320 Hours Usage Per Month, Add	420.06	
		For >320 Hours Usage Per Month, Add	840.11	
		For >6 Months (>26 Weeks), Deduct	-42.01	
01 22 23 00-1167	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	178.21	
		For >8 To 16 Hours Usage Per Day, Add	71.28	
		For >16 To 24 Hours Usage Per Day, Add	142.57	
01 22 23 00-1168	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	458.24	
		For >40 To 80 Hours Usage Per Week, Add	183.30	
		For >80 Hours Usage Per Week, Add	366.59	
01 22 23 00-1169	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,400.19	
		For >160 To 320 Hours Usage Per Month, Add	560.08	
		For >320 Hours Usage Per Month, Add	1,120.15	
		For >6 Months (>26 Weeks), Deduct	-56.01	
01 22 23 00-1170		Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1162) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1171	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	323.53	
		For >8 To 16 Hours Usage Per Day, Add	129.41	
		For >16 To 24 Hours Usage Per Day, Add	258.82	
01 22 23 00-1172	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	965.28	
		For >40 To 80 Hours Usage Per Week, Add	386.11	
		For >80 Hours Usage Per Week, Add	772.22	
01 22 23 00-1173	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,545.80	
		For >160 To 320 Hours Usage Per Month, Add	1,018.32	
		For >320 Hours Usage Per Month, Add	2,036.64	
		For >6 Months (>26 Weeks), Deduct	-101.83	
01 22 23 00-1174		HDPE Pipe With Couplings (01 22 23 00-1063) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1175	DAY	4" Diameter x 50' Length, HDPE Pipe With Couplings	21.52	
		For Half Day Usage, Deduct	-6.73	
01 22 23 00-1176	WK	4" Diameter x 50' Length, HDPE Pipe With Couplings	51.64	
01 22 23 00-1177	MO	4" Diameter x 50' Length, HDPE Pipe With Couplings	159.24	
		For >6 Months (>26 Weeks), Deduct	-6.37	
01 22 23 00-1178	DAY	6" Diameter x 50' Length, HDPE Pipe With Couplings	34.43	
		For Half Day Usage, Deduct	-10.76	
01 22 23 00-1179	WK	6" Diameter x 50' Length, HDPE Pipe With Couplings	86.07	
01 22 23 00-1180	MO	6" Diameter x 50' Length, HDPE Pipe With Couplings	262.53	
		For >6 Months (>26 Weeks), Deduct	-10.50	
01 22 23 00-1181	DAY	8" Diameter x 50' Length, HDPE Pipe With Couplings	55.95	
		For Half Day Usage, Deduct	-17.48	
01 22 23 00-1182	WK	8" Diameter x 50' HDPE Length, HDPE With Couplings	146.33	
01 22 23 00-1183	MO	8" Diameter x 50' Length, HDPE Pipe With Couplings	434.67	
		For >6 Months (>26 Weeks), Deduct	-17.39	
01 22 23 00-1184	DAY	10" Diameter x 50' Length, HDPE Pipe With Couplings	68.86	
		For Half Day Usage, Deduct	-21.52	
01 22 23 00-1185	WK	10" Diameter x 50' Length, HDPE Pipe With Couplings	176.45	
01 22 23 00-1186	MO	10" Diameter x 50' Length, HDPE Pipe With Couplings	537.96	
		For >6 Months (>26 Weeks), Deduct	-21.52	
01 22 23 00-1187	DAY	12" Diameter x 20' Length, HDPE Pipe With Couplings	51.64	
		For Half Day Usage, Deduct	-16.14	
01 22 23 00-1188	WK	12" Diameter x 20' Length, HDPE Pipe With Couplings	142.02	
01 22 23 00-1189	MO	12" Diameter x 20' Length, HDPE Pipe With Couplings	430.37	
		For >6 Months (>26 Weeks), Deduct	-17.21	
01 22 23 00-1190	DAY	4" Diameter Elbow For HDPE Pipe, Quick Connect	51.64	
		For Half Day Usage, Deduct	-16.14	
01 22 23 00-1191	WK	4" Diameter Elbow For HDPE Pipe, Quick Connect	133.41	
01 22 23 00-1192	MO	4" Diameter Elbow For HDPE Pipe, Quick Connect	395.94	
		For >6 Months (>26 Weeks), Deduct	-15.84	
01 22 23 00-1193	DAY	6" Diameter Elbow For HDPE Pipe, Quick Connect	60.25	
		For Half Day Usage, Deduct	-18.83	
01 22 23 00-1194	WK	6" Diameter Elbow For HDPE Pipe, Quick Connect	154.93	
01 22 23 00-1195	MO	6" Diameter Elbow For HDPE Pipe, Quick Connect	473.41	
		For >6 Months (>26 Weeks), Deduct	-18.94	
01 22 23 00-1196	DAY	8" Diameter Elbow For HDPE Pipe, Quick Connect	68.86	
		For Half Day Usage, Deduct	-21.52	
01 22 23 00-1197	WK	8" Diameter Elbow For HDPE Pipe, Quick Connect	176.45	
01 22 23 00-1198	MO	8" Diameter Elbow For HDPE Pipe, Quick Connect	537.96	
		For >6 Months (>26 Weeks), Deduct	-21.52	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1199 DAY 10" Diameter Elbow For HDPE Pipe, Quick Connect	86.07	
For Half Day Usage, Deduct	-26.90	
01 22 23 00-1200 WK 10" Diameter Elbow For HDPE Pipe, Quick Connect	219.49	
01 22 23 00-1201 MO 10" Diameter Elbow For HDPE Pipe, Quick Connect	667.07	
For >6 Months (>26 Weeks), Deduct	-26.68	
01 22 23 00-1202 DAY 12" Diameter Elbow For HDPE Pipe, Quick Connect	86.07	
For Half Day Usage, Deduct	-26.90	
01 22 23 00-1203 WK 12" Diameter Elbow For HDPE Pipe, Quick Connect	219.49	
01 22 23 00-1204 MO 12" Diameter Elbow For HDPE Pipe, Quick Connect	667.07	
For >6 Months (>26 Weeks), Deduct	-26.68	
01 22 23 00-1205 DAY 4" Diameter Tee For HDPE Pipe, Quick Connect	51.64	
For Half Day Usage, Deduct	-16.14	
01 22 23 00-1206 WK 4" Diameter Tee For HDPE Pipe, Quick Connect	133.41	
01 22 23 00-1207 MO 4" Diameter Tee For HDPE Pipe, Quick Connect	395.94	
For >6 Months (>26 Weeks), Deduct	-15.84	
01 22 23 00-1208 DAY 6" Diameter Tee For HDPE Pipe, Quick Connect	68.86	
For Half Day Usage, Deduct	-21.52	
01 22 23 00-1209 WK 6" Diameter Tee For HDPE Pipe, Quick Connect	176.45	
01 22 23 00-1210 MO 6" Diameter Tee For HDPE Pipe, Quick Connect	537.96	
For >6 Months (>26 Weeks), Deduct	-21.52	
01 22 23 00-1211 DAY 8" Diameter Tee For HDPE Pipe, Quick Connect	86.07	
For Half Day Usage, Deduct	-26.90	
01 22 23 00-1212 WK 8" Diameter Tee For HDPE Pipe, Quick Connect	219.49	
01 22 23 00-1213 MO 8" Diameter Tee For HDPE Pipe, Quick Connect	667.07	
For >6 Months (>26 Weeks), Deduct	-26.68	
01 22 23 00-1214 DAY 10" Diameter Tee For HDPE Pipe, Quick Connect	103.29	
For Half Day Usage, Deduct	-32.28	
01 22 23 00-1215 WK 10" Diameter Tee For HDPE Pipe, Quick Connect	262.53	
01 22 23 00-1216 MO 10" Diameter Tee For HDPE Pipe, Quick Connect	796.18	
For >6 Months (>26 Weeks), Deduct	-31.85	
01 22 23 00-1217 DAY 12" Diameter Tee For HDPE Pipe, Quick Connect	103.29	
For Half Day Usage, Deduct	-32.28	
01 22 23 00-1218 WK 12" Diameter Tee For HDPE Pipe, Quick Connect	262.53	
01 22 23 00-1219 MO 12" Diameter Tee For HDPE Pipe, Quick Connect	796.18	
For >6 Months (>26 Weeks), Deduct	-31.85	
01 22 23 00-1220 DAY 4" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1221 WK 4" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1222 MO 4" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1223 DAY 6" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1224 WK 6" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1225 MO 6" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1226 DAY 8" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1227 WK 8" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1228 MO 8" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1229 DAY 10" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1230 WK 10" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1231 MO 10" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1232 DAY 12" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1233 WK 12" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1234 MO 12" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1235 DAY 4" Diameter Wye For HDPE Pipe, Quick Connect	25.82	
For Half Day Usage, Deduct	-8.07	
01 22 23 00-1236 WK 4" Diameter Wye For HDPE Pipe, Quick Connect	64.56	
01 22 23 00-1237 MO 4" Diameter Wye For HDPE Pipe, Quick Connect	197.97	
For >6 Months (>26 Weeks), Deduct	-7.92	
01 22 23 00-1238 DAY 6" Diameter Wye For HDPE Pipe, Quick Connect	30.13	
For Half Day Usage, Deduct	-9.42	
01 22 23 00-1239 WK 6" Diameter Wye For HDPE Pipe, Quick Connect	77.47	
01 22 23 00-1240 MO 6" Diameter Wye For HDPE Pipe, Quick Connect	236.70	
For >6 Months (>26 Weeks), Deduct	-9.47	
01 22 23 00-1241 DAY 8" Diameter Wye For HDPE Pipe, Quick Connect	51.64	
For Half Day Usage, Deduct	-16.14	
01 22 23 00-1242 WK 8" Diameter Wye For HDPE Pipe, Quick Connect	133.41	
01 22 23 00-1243 MO 8" Diameter Wye For HDPE Pipe, Quick Connect	395.94	
For >6 Months (>26 Weeks), Deduct	-15.84	
01 22 23 00-1244 DAY 10" Diameter Wye For HDPE Pipe, Quick Connect	77.47	
For Half Day Usage, Deduct	-24.21	
01 22 23 00-1245 WK 10" Diameter Wye For HDPE Pipe, Quick Connect	197.97	
01 22 23 00-1246 MO 10" Diameter Wye For HDPE Pipe, Quick Connect	602.52	
For >6 Months (>26 Weeks), Deduct	-24.10	
01 22 23 00-1247 DAY 12" Diameter Wye For HDPE Pipe, Quick Connect	77.47	
For Half Day Usage, Deduct	-24.21	
01 22 23 00-1248 WK 12" Diameter Wye For HDPE Pipe, Quick Connect	197.97	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1249	MO	12" Diameter Wye For HDPE Pipe, Quick Connect..... <i>For >6 Months (>26 Weeks), Deduct</i>	602.52 -24.10	
01 22 23 00-1250		Truck And Trailer Equipment (01 22 23)		
01 22 23 00-1251		Trucks (01 22 23 00-1250) Note: Includes driver, delivery to job site and pick-up when complete.		
01 22 23 00-1252		Flat Bed Trucks (01 22 23 00-1251) Note: Includes hydraulic tilt bed.		
01 22 23 00-1253	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,106.89	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-497.09	
01 22 23 00-1254	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,819.60	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1255	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	19,460.60	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-79.61	
01 22 23 00-1256	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,236.87	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-537.71	
01 22 23 00-1257	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,152.66	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1258	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	20,313.56	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-113.73	
01 22 23 00-1259	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,330.12	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-566.85	
01 22 23 00-1260	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,509.12	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1261	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	21,670.19	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-167.99	
01 22 23 00-1262		Light Off-Road Utility Passanger Vehicles (01 22 23 00-1251)		
01 22 23 00-1263	DAY	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	309.84	
		<i>For Half Day Usage, Deduct</i>	-96.83	
01 22 23 00-1264	WK	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	716.50	
01 22 23 00-1265	MO	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	1,549.20	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-61.97	
01 22 23 00-1266	DAY	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	319.52	
		<i>For Half Day Usage, Deduct</i>	-99.85	
01 22 23 00-1267	WK	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	745.55	
01 22 23 00-1268	MO	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	1,646.02	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-65.84	
01 22 23 00-1269		Light And Heavy Duty Trucks (01 22 23 00-1251)		
01 22 23 00-1270	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,061.91	
		<i>For Equipment Without Operator, Deduct</i>	-799.14	
		<i>For Half Day Usage, Deduct</i>	-481.69	
01 22 23 00-1271	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,857.89	
		<i>For Equipment Without Operator, Deduct</i>	-3,995.68	
01 22 23 00-1272	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	19,121.13	
		<i>For Equipment Without Operator, Deduct</i>	-17,314.60	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-72.26	
01 22 23 00-1273	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,111.18	
		<i>For Equipment Without Operator, Deduct</i>	-799.14	
		<i>For Half Day Usage, Deduct</i>	-497.08	
01 22 23 00-1274	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	5,005.69	
		<i>For Equipment Without Operator, Deduct</i>	-3,995.68	
01 22 23 00-1275	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	19,449.59	
		<i>For Equipment Without Operator, Deduct</i>	-17,314.60	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-85.40	
01 22 23 00-1276		Boom Trucks (01 22 23 00-1251)		
01 22 23 00-1277	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	1,366.03	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-578.07	
01 22 23 00-1278	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	5,488.98	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1279	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	21,166.53	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-147.85	
01 22 23 00-1280		Rear Dump Trucks (01 22 23 00-1251)		
01 22 23 00-1281	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,196.05	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-524.95	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1282	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	5,061.02	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1283	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	20,622.07	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-126.07	
01 22 23 00-1284	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,325.25	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-565.33	
01 22 23 00-1285	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	5,461.34	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1286	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	21,177.02	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-148.27	
01 22 23 00-1287	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,399.39	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-588.49	
01 22 23 00-1288	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	5,620.20	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1289	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	21,282.92	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-152.50	
01 22 23 00-1290	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,278.40	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-863.19	
01 22 23 00-1291	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,431.17	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1292	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	26,366.36	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-355.84	
01 22 23 00-1293	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,425.61	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-909.19	
01 22 23 00-1294	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,771.13	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1295	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	27,255.96	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-391.42	
01 22 23 00-1296 Under-Bridge Inspection Trucks (01 22 23 00-1251)				
01 22 23 00-1297	DAY	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	4,754.04	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-1,636.82	
01 22 23 00-1298	WK	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	21,636.30	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1299	MO	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	79,875.98	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-2,496.23	
01 22 23 00-1300	DAY	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,287.51	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-1,803.53	
01 22 23 00-1301	WK	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	22,703.24	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1302	MO	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	83,902.15	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-2,657.27	
01 22 23 00-1303	DAY	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,607.60	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-1,903.56	
01 22 23 00-1304	WK	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	24,303.67	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1305	MO	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	87,928.33	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-2,818.32	
01 22 23 00-1306	DAY	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	6,994.63	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-2,337.01	
01 22 23 00-1307	WK	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	30,705.37	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1308	MO	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	108,059.17	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-3,623.55	
01 22 23 00-1309 Vacuum Trucks (01 22 23 00-1251)				
01 22 23 00-1310	DAY	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,170.51	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-516.97	
01 22 23 00-1311	WK	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	5,117.05	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1312	MO	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	20,676.65	
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-128.25	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1313	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,267.81	
		For Equipment Without Operator, Deduct	-806.32	
		For Half Day Usage, Deduct	-859.88	
01 22 23 00-1314	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,433.03	
		For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-1315	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	30,458.53	
		For Equipment Without Operator, Deduct	-17,470.34	
		For >6 Months (>26 Weeks), Deduct	-519.53	
01 22 23 00-1316 Water Trucks (01 22 23 00-1251)				
Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1140 for additional discharge hose, 01 22 23 00-1355 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.				
01 22 23 00-1317	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,449.01	
		For Equipment Without Operator, Deduct	-806.32	
		For Each 1,000 Gallon Of Purchased Water, Add	14.94	
		For Half Day Usage, Deduct	-604.00	
01 22 23 00-1318	WK	2,000 Gallon Water Truck With Full-Time Driver	5,724.04	
		For Equipment Without Operator, Deduct	-4,031.62	
		For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1319	MO	2,000 Gallon Water Truck With Full-Time Driver	21,469.30	
		For Equipment Without Operator, Deduct	-17,470.34	
		For Each 1,000 Gallon Of Purchased Water, Add	14.94	
		For >6 Months (>26 Weeks), Deduct	-159.96	
01 22 23 00-1320	DAY	2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver	1,563.27	
		For Equipment Without Operator, Deduct	-806.32	
		For Each 1,000 Gallon Of Purchased Water, Add	14.94	
		For Half Day Usage, Deduct	-639.71	
01 22 23 00-1321	WK	2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver	6,516.69	
		For Equipment Without Operator, Deduct	-4,031.62	
		For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1322	MO	2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver	23,661.59	
		For Equipment Without Operator, Deduct	-17,470.34	
		For Each 1,000 Gallon Of Purchased Water, Add	14.94	
		For >6 Months (>26 Weeks), Deduct	-247.65	
01 22 23 00-1323	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,763.21	
		For Equipment Without Operator, Deduct	-806.32	
		For Each 1,000 Gallon Of Purchased Water, Add	14.94	
		For Half Day Usage, Deduct	-702.19	
01 22 23 00-1324	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	6,666.65	
		For Equipment Without Operator, Deduct	-4,031.62	
		For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1325	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	23,897.24	
		For Equipment Without Operator, Deduct	-17,470.34	
		For Each 1,000 Gallon Of Purchased Water, Add	14.94	
		For >6 Months (>26 Weeks), Deduct	-257.08	
01 22 23 00-1326 Asphalt Distribution Trucks (01 22 23 00-1251)				
01 22 23 00-1327	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	2,198.69	
		For Equipment Without Operator, Deduct	-806.32	
		For Half Day Usage, Deduct	-838.28	
01 22 23 00-1328	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	8,190.85	
		For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-1329	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	29,766.07	
		For Equipment Without Operator, Deduct	-17,470.34	
		For >6 Months (>26 Weeks), Deduct	-491.83	
01 22 23 00-1330 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1251)				
01 22 23 00-1331	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,544.55	
		For Equipment Without Operator, Deduct	-799.14	
		For Half Day Usage, Deduct	-632.51	
01 22 23 00-1332	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,195.60	
		For Equipment Without Operator, Deduct	-3,995.68	
01 22 23 00-1333	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	22,657.03	
		For Equipment Without Operator, Deduct	-17,314.60	
		For >6 Months (>26 Weeks), Deduct	-213.70	
01 22 23 00-1334 Vacuum Sweeper Trucks For Bridge Decks (01 22 23 00-1251)				
01 22 23 00-1335	DAY	Vacuum Sweeper Truck, With Full-Time Truck Driver	2,267.81	
		For Equipment Without Operator, Deduct	-806.32	
		For Half Day Usage, Deduct	-859.88	
01 22 23 00-1336	WK	Vacuum Sweeper Truck, With Full-Time Truck Driver	8,433.03	
		For Equipment Without Operator, Deduct	-4,031.62	
01 22 23 00-1337	MO	Vacuum Sweeper Truck, With Full-Time Truck Driver	30,458.53	
		For Equipment Without Operator, Deduct	-17,470.34	
		For >6 Months (>26 Weeks), Deduct	-519.53	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1338		Combination Jet/Vacuum Trucks (01 22 23 00-1251)		
01 22 23 00-1339	DAY	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,349.93	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-1,198.04	
01 22 23 00-1340	WK	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	15,938.78	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1341	DAY	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,793.78	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-1,336.74	
01 22 23 00-1342	WK	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	18,520.80	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1343	DAY	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	4,220.56	
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-1,470.11	
01 22 23 00-1344	WK	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	21,102.82	
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1345		Straight/Box Trucks (01 22 23 00-1251)		
01 22 23 00-1346	DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	934.67	
		Note: Includes 2,500 Lb. lift gate.		
		<i>For Equipment Without Operator, Deduct</i>	-806.32	
		<i>For Half Day Usage, Deduct</i>	-443.27	
01 22 23 00-1347	WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	4,673.38	
		Note: Includes 2,500 Lb. lift gate.		
		<i>For Equipment Without Operator, Deduct</i>	-4,031.62	
01 22 23 00-1348	MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	19,364.74	
		Note: Includes 2,500 Lb. lift gate.		
		<i>For Equipment Without Operator, Deduct</i>	-17,470.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-75.78	
01 22 23 00-1349		Truck Mounted Accessories (01 22 23 00-1250)		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1350		Truck Mounted Arrow Boards (01 22 23 00-1349)		
01 22 23 00-1351	DAY	Truck Mounted Arrow Board	55.92	
		<i>For Half Day Usage, Deduct</i>	-17.48	
01 22 23 00-1352	WK	Truck Mounted Arrow Board	222.39	
01 22 23 00-1353	MO	Truck Mounted Arrow Board	792.98	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-31.72	
01 22 23 00-1354		Trailers (01 22 23 00-1250)		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1355		Water Trailers With Pump (01 22 23 00-1354)		
01 22 23 00-1356	DAY	500 To 600 Gallon Water Trailer With Pump	164.24	
		<i>For Half Day Usage, Deduct</i>	-51.33	
01 22 23 00-1357	WK	500 To 600 Gallon Water Trailer With Pump	421.32	
01 22 23 00-1358	MO	500 To 600 Gallon Water Trailer With Pump	1,128.28	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-45.13	
01 22 23 00-1359		Manual Powered, Full, Rear Dump Trailer (01 22 23 00-1354)		
01 22 23 00-1360	DAY	10 CY, Manual Powered, Full, Rear Dump Trailer	231.22	
		<i>For Half Day Usage, Deduct</i>	-72.26	
01 22 23 00-1361	WK	10 CY, Manual Powered, Full, Rear Dump Trailer	923.13	
01 22 23 00-1362	MO	10 CY, Manual Powered, Full, Rear Dump Trailer	3,306.73	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-132.27	
01 22 23 00-1363	DAY	13 CY, Manual Powered, Full, Rear Dump Trailer	265.70	
		<i>For Half Day Usage, Deduct</i>	-83.03	
01 22 23 00-1364	WK	13 CY, Manual Powered, Full, Rear Dump Trailer	1,062.81	
01 22 23 00-1365	MO	13 CY, Manual Powered, Full, Rear Dump Trailer	3,792.82	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-151.71	
01 22 23 00-1366	DAY	16 CY, Manual Powered, Full, Rear Dump Trailer	297.80	
		<i>For Half Day Usage, Deduct</i>	-93.06	
01 22 23 00-1367	WK	16 CY, Manual Powered, Full, Rear Dump Trailer	1,182.27	
01 22 23 00-1368	MO	16 CY, Manual Powered, Full, Rear Dump Trailer	4,208.02	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-168.32	
01 22 23 00-1369		Hydraulic Lift, Rear Dump Trailers (01 22 23 00-1354)		
01 22 23 00-1370	DAY	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	266.02	
		<i>For Half Day Usage, Deduct</i>	-83.13	
01 22 23 00-1371	WK	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,151.82	
01 22 23 00-1372	MO	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	4,313.08	
01 22 23 00-1373	DAY	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	329.14	
		<i>For Half Day Usage, Deduct</i>	-102.86	
01 22 23 00-1374	WK	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,431.75	



General Requirements		01
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1375 DAY 40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer <i>For Half Day Usage, Deduct</i>	5,343.65 -1,669.89	
01 22 23 00-1376 DAY 60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer <i>For Half Day Usage, Deduct</i>	430.42 -134.51	
01 22 23 00-1377 WK 60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,857.89	
01 22 23 00-1378 MO 60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	6,941.22	
01 22 23 00-1379 DAY 80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer <i>For Half Day Usage, Deduct</i>	454.66 -142.08	
01 22 23 00-1380 WK 80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,952.38	
01 22 23 00-1381 MO 80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,265.72	
01 22 23 00-1382 DAY 100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer <i>For Half Day Usage, Deduct</i>	466.43 -145.76	
01 22 23 00-1383 WK 100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	2,002.31	
01 22 23 00-1384 MO 100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,474.34	
01 22 23 00-1385 Trailer Mounted Equipment (01 22 23 00-1250)		
01 22 23 00-1386 Trailer Mounted Under-Bridge Aerial Access Platform (01 22 23 00-1385) Note: Includes full-time operator. Excludes truck.		
01 22 23 00-1387 DAY Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	3,017.82 -806.32 -1,094.25	
01 22 23 00-1388 WK Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,666.11 -4,031.62	
01 22 23 00-1389 MO Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	35,899.48 -17,470.34 -737.17	
01 22 23 00-1390 DAY Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	3,238.97 -806.32 -1,163.36	
01 22 23 00-1391 WK Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,329.56 -4,031.62	
01 22 23 00-1392 MO Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	37,742.39 -17,470.34 -810.88	
01 22 23 00-1393 Trailer Mounted Bridge Stripping Buggy (01 22 23 00-1385)		
01 22 23 00-1394 DAY Trailer Mounted Bridge Overhang Stripping Buggy <i>For Half Day Usage, Deduct</i>	250.95 -78.42	
01 22 23 00-1395 WK Trailer Mounted Bridge Overhang Stripping Buggy	752.87	
01 22 23 00-1396 MO Trailer Mounted Bridge Overhang Stripping Buggy <i>For >6 Months (>26 Weeks), Deduct</i>	2,091.22 -83.65	
01 22 23 00-1397 Portable Trailer Mounted, CCTV Camera Systems (01 22 23 00-1385) Note: Includes trailer. Excludes truck.		
01 22 23 00-1398 MO Portable Trailer Mounted, Single Camera, CCTV Camera System <i>For >6 Months (>26 Weeks), Deduct</i>	2,904.75 -116.19	
01 22 23 00-1399 MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System <i>For >6 Months (>26 Weeks), Deduct</i>	5,034.90 -201.40	
01 22 23 00-1400 CALTRANS Equipment Rental Rates (01 22 23) Note: An appropriate labor surcharge will be established by the Division of Construction for work that is determined by the resident engineer to be covered by Longshoreman and Harbor Worker's Act. (These tasks will be requested specifically by the owner for miscellaneous work not covered in the Construction Task Catalog®)		
01 22 23 00-1401 EA CALTRANS Equipment Rental Rates, Reimbursable	1.00	
Note: Reimbursable Fees will be paid to the contractor for eligible costs. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee. Per https://dot.ca.gov/-/media/dot-media/programs/construction/documents/equipment-rental-rates-and-labor-surcharge/book_2023.pdf (Or use most current dated PDF)		

01 40 Quality Requirements (01)

01 41 Regulatory Requirements (01 40)

01 41 26 Permit Requirements (01 41)
See CSI section 01 22 16 00-0003 for reimbursable fees.

01 42 References (01 40)

01 42 13 Abbreviations and Acronyms (01 42)
Note: For specification publishing. Review specifications for requirements.
01 42 13 00-0001 NTE Abbreviations And Acronyms 0.00
Note: For specification publishing. Review specifications for requirements.

01 42 16 Definitions (01 42)
Note: For specification publishing. Review specifications for requirements.

01 General Requirements**01 40 Quality Requirements****01 42 References**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 42 16 00-0001 NTE Definitions.....	0.00	
Note: For specification publishing. Review specifications for requirements.		
01 42 19 Reference Standards (01 42)		
Note: For specification publishing. Review specifications for requirements.		
01 42 19 00-0001 NTE Reference Standards.....	0.00	
Note: For specification publishing. Review specifications for requirements.		
01 42 21 Construction Suppliers or Vendor List (01 42)		
Note: For specification publishing. Review specifications for requirements.		
01 42 21 00-0001 NTE Construction Suppliers or Vendor List	0.00	
Note: For specification publishing. Review specifications for requirements.		
01 45 Quality Control (01 40)		
Note: Refer to section specifications for testing included with other sections.		
01 45 23 Testing and Inspecting Services (01 45)		
Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.		
01 45 23 00-0001 Soils/Aggregate Testing (01 45 23)		
01 45 23 00-0002 Field Soils Tests (01 45 23 00-0001)		
01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	353.86	
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	502.26	
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	570.75	
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test	456.60	
01 45 23 00-0007 EA Soils Classification Test, ASTM D-2487, Field Soils Test	684.90	
01 45 23 00-0008 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	1,369.34	
01 45 23 00-0009 EA Moisture Content, Field Soils Test	51.35	
01 45 23 00-0010 EA UBC Or Swell Test, Field Soils Test	136.98	
01 45 23 00-0011 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	342.33	
01 45 23 00-0012 EA Proctor Compaction 6" Standard Mold, Field Soils Test	427.92	
01 45 23 00-0013 EA Density And Classification Test, Field Soils Test	104.27	
01 45 23 00-0014 EA Percolation Test, Field Soils Test	260.67	
01 45 23 00-0015 EA Infiltration Test, Field Soils Test	521.35	
01 45 23 00-0016 Aggregate Testing (01 45 23 00-0001)		
01 45 23 00-0017 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.15	
01 45 23 00-0018 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	205.47	
01 45 23 00-0019 EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	285.38	
01 45 23 00-0020 EA Sieve Analysis, Pit Run, ASTM C136	169.44	
Note: Includes wash.		
01 45 23 00-0021 EA Specific Special Gravity, Course, ASTM C127	181.37	
Note: Includes absorption test.		
01 45 23 00-0022 EA Special Gravity, Fine, ASTM C127	162.61	
Note: Includes absorption test.		
01 45 23 00-0023 EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	241.83	
01 45 23 00-0024 EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	228.30	
01 45 23 00-0025 EA Aggregate Cleanness Value, ASTM C-128, CA 227	228.30	
01 45 23 00-0026 EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	171.22	
01 45 23 00-0027 EA Fine Aggregate Durability Index, CA 229	182.64	
01 45 23 00-0028 EA Sodium And Magnesium Soundness, ASTM C88	479.27	
01 45 23 00-0029 EA Los Angeles Rattler, ASTM C-131, CA 211	365.28	
01 45 23 00-0030 EA Los Angeles Rattler, ASTM C-535	365.28	
01 45 23 00-0031 EA Unit Weight Of Aggregates, ASTM C29	102.74	
01 45 23 00-0032 EA Organic Impurities In Sand, ASTM C40	102.70	
01 45 23 00-0033 EA Crushed Particle, ASTM California Test Method	102.70	
01 45 23 00-0034 EA Clay Lump And Friable Particles, ASTM C142	205.40	
01 45 23 00-0035 Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0036 In-Place Tests (01 45 23 00-0035)		
01 45 23 00-0037 EA Double Ring Infiltrometer Test, ASTM D3385.....	1,813.72	
01 45 23 00-0038 EA Unconfined Compressive Strength (Pocket Penetrometer) Test	85.58	
01 45 23 00-0039 Lab Tests (01 45 23 00-0035)		
01 45 23 00-0040 EA Falling Head Rigid Wall Consolidometer Technique CAE.....	846.40	
01 45 23 00-0041 EA Falling Head Permeability Test EPA-9100	846.40	
01 45 23 00-0042 EA Constant Head Permeability Test For Granular Soils, ASTM D2432.....	483.66	
01 45 23 00-0043 Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0044 Concrete Testing (01 45 23 00-0043)		

**General Requirements 01**

Quality Requirements 01 40

Quality Control 01 45

5

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0045 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	26.47	
01 45 23 00-0046 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	72.55	
01 45 23 00-0047 EA Concrete Cores Compression Test, ASTM C-42	148.40	
01 45 23 00-0048 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78	216.88	
01 45 23 00-0049 EA Unit Weight Of Concrete Cylinder, ASTM C-567	79.90	
01 45 23 00-0050 EA Concrete Mix Design Review	433.77	
01 45 23 00-0051 EA Trial Concrete Batch Prepared In Laboratory	1,027.35	
01 45 23 00-0052 EA Concrete Shrinkage, ASTM C-157 Modified	799.05	
01 45 23 00-0053 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	123.28	
01 45 23 00-0054 EA Concrete Slump Test, ASTM C143	57.08	
01 45 23 00-0055 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	57.08	
01 45 23 00-0056 Cement Testing (01 45 23 00-0043)		
01 45 23 00-0057 EA CCR Title 24, Cement Grab Sample	57.08	
Note: Includes sealing and storing 1 year.		
01 45 23 00-0058 EA 2" x 2" x 2" Cube Compression Test, All Type Materials	91.32	
01 45 23 00-0059 Asphaltic Concrete Testing (01 45 23 00-0043)		
01 45 23 00-0060 EA Hveem Asphaltic Concrete Stability Test, CA 366	114.15	
01 45 23 00-0061 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	296.79	
01 45 23 00-0062 EA Stability Tests, Premixed, ASTM D1559	114.15	
01 45 23 00-0063 EA Stability Tests, Lab. Mixed, ASTM D1559	296.79	
01 45 23 00-0064 EA Swell Test, CA 305	136.98	
Note: Includes compaction.		
01 45 23 00-0065 EA % Asphalt Extraction Test, ASTM D-2172 B	342.45	
01 45 23 00-0066 EA Gradation On Extracted Sample, ASTM D-5444	228.30	
01 45 23 00-0067 EA Maximum Theoretical Unit Weight, ASTM C2041	217.65	
01 45 23 00-0068 EA Unit Weight Sample Requiring Compaction, California Test Method 308	45.66	
01 45 23 00-0069 EA Asphalt Unit Weight On Core Test, CA 308C	45.66	
01 45 23 00-0070 HR Nuclear Field Density Testing, 4 Hour Minimum	235.15	
01 45 23 00-0071 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	117.30	
01 45 23 00-0072 EA Penetration, ASTM D5	164.90	
01 45 23 00-0073 Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0074 Masonry Testing (01 45 23 00-0073)		
01 45 23 00-0075 EA 2" x 4" Cylinder Mortar Compression Test	75.34	
01 45 23 00-0076 EA 4" x 4" x 8" Grout Prisms Compression Test	75.34	
01 45 23 00-0077 EA Masonry Cores Compression Test	148.40	
01 45 23 00-0078 EA Composite Grouted Prism Compression Test	285.38	
01 45 23 00-0079 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0073)		
01 45 23 00-0080 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	182.64	
01 45 23 00-0081 EA Absorption Test, Moisture Content And Unit Weight	125.56	
01 45 23 00-0082 EA First Unit, Moisture Condition By Relative Humidity, ASTM C427	479.27	
01 45 23 00-0083 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	239.63	
01 45 23 00-0084 Metals Testing (01 45 23)		
01 45 23 00-0085 Tank Tightness Testing (01 45 23 00-0084)		
01 45 23 00-0086 GAL Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	9.30	
01 45 23 00-0087 GAL >20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	7.97	
01 45 23 00-0088 EA Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,391.39	
01 45 23 00-0089 EA >12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,921.87	
01 45 23 00-0090 EA >29,999 Gallons, Tank Volumetric Tightness Testing	3,721.12	
01 45 23 00-0091 Tank Line Tightness Testing (01 45 23 00-0084)		
01 45 23 00-0092 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	504.59	
01 45 23 00-0093 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	560.31	
01 45 23 00-0094 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing	615.82	
01 45 23 00-0095 Other Testing (01 45 23)		
01 45 23 00-0096 Special Testing (01 45 23 00-0095)		
01 45 23 00-0097 EA Asphalt Roofing Cutout Samples, To Determine Unit Weight	171.17	
01 45 23 00-0098 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,027.00	
01 45 23 00-0099 EA Total Coliform Bacteria And E. Coli Bacteria Test	53.35	
01 45 23 00-0100 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	221.30	
01 45 23 00-0101 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	221.30	
01 45 23 00-0102 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	221.30	
01 45 23 00-0103 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,217.15	
01 45 23 00-0104 EA Testing And Certification Of Backflow Valves	608.40	

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 45 23 00-0105	Non-destructive Field Testing Services (01 45 23 00-0095)	
01 45 23 00-0106	Infrared Thermography (01 45 23 00-0105)	
	Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.	
01 45 23 00-0107	Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0105)	
	Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.	
01 45 23 00-0108	EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,102.35
01 45 23 00-0109	CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	6.64
	For Digital Or Analog Recording Of All Items, Add	1.00
01 45 23 00-0110	CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.43
	For Digital Or Analog Recording Of All Items, Add	0.66
01 45 23 00-0111	Other Non-destructive Field Testing Services (01 45 23 00-0105)	
01 45 23 00-0112	HR ASNT Certified Level I NDT Consultant	77.28
01 45 23 00-0113	HR ASNT Certified Level II NDT Consultant.....	86.45
01 45 23 00-0114	HR ASNT Certified Level III NDT Consultant.....	101.58
01 45 23 00-0115	HR Certified Industrial Radiography Radiation Safety Personnel	116.38
01 45 23 00-0116	Concrete Slab Moisture Testing (01 45 23 00-0095)	
01 45 23 00-0117	EA Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	162.73

01 45 29 Testing Laboratory Services (01 45)

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

01 45 29 00-0001	Soil Borings Laboratory Tests (01 45 29)	
	See CSI section 02 32 13 00-0000 for soil borings.	
01 45 29 00-0002	EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	157.19
01 45 29 00-0003	EA Shrinkage Limit, Soil Borings Laboratory Test	50.15
01 45 29 00-0004	EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	120.92
01 45 29 00-0005	EA Consolidation, Soil Borings Laboratory Test.....	846.40
01 45 29 00-0006	EA Swell Test, Soil Borings Laboratory Test.....	132.70
01 45 29 00-0007	EA In Place Density, Soil Borings Laboratory Test.....	36.27
01 45 29 00-0008	EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test	22.53
01 45 29 00-0009	EA Hydrometer Analysis, Soil Borings Laboratory Test.....	290.95
01 45 29 00-0010	EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test	101.43
01 45 29 00-0011	EA Partial Sieve Analysis, Soil Borings Laboratory Test	20.06
01 45 29 00-0012	EA Laboratory Permeability, Soil Borings Laboratory Test.....	1,002.97
01 45 29 00-0013	EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	202.87
01 45 29 00-0014	EA Sulfate Soundness, Soil Borings Laboratory Test.....	250.74
01 45 29 00-0015	EA Los Angeles Abrasion, Soil Borings Laboratory Test.....	464.14
01 45 29 00-0016	EA Soil Bearing Ratio, ASTM D1883.....	513.68
01 45 29 00-0017	EA Compaction Test Subgrade, Soil Borings Laboratory Test	150.45
01 45 29 00-0018	EA Compaction Test Base Course, Soil Borings Laboratory Test	167.16
01 45 29 00-0019	EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	358.78
01 45 29 00-0020	EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	76.89

01 50 Temporary Facilities and Controls (01)

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities (01 50)**01 51 13 Temporary Electricity (01 51)**

01 51 13 00-0001	Temporary Service Switch And/or Building Feeder Switch (01 51 13)	
	Note: Includes all connections and removal after use.	
01 51 13 00-0002	EA Temporary 30 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses.....	983.10
01 51 13 00-0003	EA Temporary 60 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses.....	1,246.96
01 51 13 00-0004	EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,642.79
01 51 13 00-0005	EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,556.45
01 51 13 00-0006	EA Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,661.84
01 51 13 00-0007	EA Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,582.95
01 51 13 00-0008	EA Temporary 800 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	10,330.52
01 51 13 00-0009	EA Temporary 1,200 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	16,604.67
01 51 13 00-0010	EA Temporary 2,000 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	23,106.70
01 51 13 00-0011	Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses (01 51 13)	
	Note: Includes mounting on wall and removal after use.	
01 51 13 00-0012	EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,672.48
01 51 13 00-0013	EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	2,365.57
01 51 13 00-0014	EA Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,693.04
01 51 13 00-0015	EA Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	5,296.50



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Utilities			01 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 51 13 00-0016 Temporary Conduit And Cable For Temporary Disconnect (Safety)
Switches And Temporary Panelboards (01 51 13)

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0017	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.18
01 51 13 00-0018	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.35

01 51 26 Temporary Lighting (01 51)

01 51 26 00-0001 Temporary Lighting Devices (01 51 26)

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light.....	327.71
01 51 26 00-0003	EA	Temporary 10 Light String With Cages.....	118.55
01 51 26 00-0004	EA	Temporary High Bay Light.....	445.76

01 52 Construction Facilities (01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices and Sheds (01 52)

01 52 13 00-0001 Field Offices and Office Trailers (01 52 13)

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet.....	252.05
		For Each Delivery And Removal, Two Round Trips, Add	1,533.16
		For Each Set-up (Block And Level), Add	836.61
		For Each Anchoring Into Dirt, Add Per Each Anchor	233.49
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93
		For Knockdown, Add	779.35
		For Office Trailer Without Toilet, Deduct	-50.41
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet.....	285.65
		For Each Delivery And Removal, Two Round Trips, Add	1,533.16
		For Each Set-up (Block And Level), Add	836.61
		For Each Anchoring Into Dirt, Add Per Each Anchor	233.49
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93
		For Knockdown, Add	779.35
		For Office Trailer Without Toilet, Deduct	-57.13
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet.....	386.47
		For Each Delivery And Removal, Two Round Trips, Add	3,066.32
		For Each Set-up (Block And Level), Add	1,313.69
		For Each Anchoring Into Dirt, Add Per Each Anchor	233.49
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93
		For Knockdown, Add	1,166.99
		For Office Trailer Without Toilet, Deduct	-77.29
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet.....	411.68
		For Each Delivery And Removal, Two Round Trips, Add	3,066.32
		For Each Set-up (Block And Level), Add	1,313.69
		For Each Anchoring Into Dirt, Add Per Each Anchor	233.49
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93
		For Knockdown, Add	1,166.99
		For Office Trailer Without Toilet, Deduct	-82.34
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet.....	453.69
		For Each Delivery And Removal, Two Round Trips, Add	3,066.32
		For Each Set-up (Block And Level), Add	1,313.69
		For Each Anchoring Into Dirt, Add Per Each Anchor	233.49
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93
		For Knockdown, Add	1,166.99
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet.....	478.89
		For Each Delivery And Removal, Two Round Trips, Add	3,066.32
		For Each Set-up (Block And Level), Add	1,313.69
		For Each Anchoring Into Dirt, Add Per Each Anchor	233.49
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93
		For Knockdown, Add	1,166.99
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet.....	389.04
		For Each Anchoring Into Dirt, Add Per Each Anchor	233.49
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93
		For Knockdown, Add	1,166.99
		For Each Delivery And Removal, Two Round Trips, Add	768.71
		For Each Set-up (Block And Level), Add	587.88
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet.....	520.13
		For Each Delivery And Removal, Two Round Trips, Add	3,066.32
		For Each Set-up (Block And Level), Add	1,313.69
		For Each Anchoring Into Dirt, Add Per Each Anchor	233.49
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93
		For Knockdown, Add	1,166.99
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet.....	619.20
		For Each Delivery And Removal, Two Round Trips, Add	3,066.32
		For Each Set-up (Block And Level), Add	1,313.69
		For Each Anchoring Into Dirt, Add Per Each Anchor	233.49
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93
		For Knockdown, Add	1,166.99

01	General Requirements
01 50	Temporary Facilities and Controls
01 52	Construction Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0011 MO 12' x 60' Mobile Office, With Toilet.....	856.12	
For Each Delivery And Removal, Two Round Trips, Add	3,066.32	
For Each Set-up (Block And Level), Add	1,313.69	
For Each Anchoring Into Dirt, Add Per Each Anchor	233.49	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93	
For Knockdown, Add	1,166.99	
01 52 13 00-0012 MO 24' x 60' Modular Office, With Toilet.....	1,344.25	
For Each Delivery And Removal, Two Round Trips, Add	4,599.49	
For Each Set-Up (Block And Level), Add	2,342.74	
For Each Anchoring Into Dirt, Add Per Each Anchor	233.49	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93	
For Knockdown, Add	2,338.06	
01 52 13 00-0013 MO 24' x 72' Modular Office, With Toilet.....	1,613.09	
For Each Delivery And Removal, Two Round Trips, Add	4,599.49	
For Each Set-Up (Block And Level), Add	2,342.74	
For Each Anchoring Into Dirt, Add Per Each Anchor	233.49	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93	
For Knockdown, Add	2,338.06	
01 52 13 00-0014 MO 30' x 30' Modular Office, With Toilet.....	843.31	
For Each Delivery And Removal, Two Round Trips, Add	4,599.49	
For Each Set-Up (Block And Level), Add	2,342.74	
For Each Anchoring Into Dirt, Add Per Each Anchor	233.49	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.93	
For Knockdown, Add	2,338.06	
01 52 13 00-0015 Accessories For Field Office Trailers (01 52 13)		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0016 MO Desk For Field Office Trailer.....	41.23	
01 52 13 00-0017 MO Rolling Desk Chair For Field Office Trailer.....	25.77	
01 52 13 00-0018 MO File Cabinet For Field Office Trailer.....	30.92	
01 52 13 00-0019 MO Table For Field Office Trailer.....	20.61	
01 52 13 00-0020 MO Folding Chair For Field Office Trailer.....	9.76	
01 52 13 00-0021 EA Phone Hook-Up For Field Office Trailer.....	113.37	
01 52 13 00-0022 MO Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer.....	82.45	
01 52 13 00-0023 MO Security System With Monitoring For Field Office Trailer.....	129.90	
01 52 13 00-0024 LF Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	16.35	
01 52 13 00-0025 LF Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	38.73	
01 52 13 00-0026 MO Steps For Field Office Trailer.....	72.05	
01 52 13 00-0027 MO Steps With Canopy For Field Office Trailer.....	120.27	
01 52 13 00-0028 MO Fax Machine For Field Office Trailer.....	44.17	
01 52 13 00-0029 MO Copier For Field Office Trailer.....	82.45	
01 52 13 00-0030 Storage Containers (01 52 13)		
01 52 13 00-0031 MO 8' x 8' x 10' Storage Container.....	140.03	
For Each Delivery And Removal, Two Round Trips, Add	116.51	
For >12 Months, Deduct	-31.51	
01 52 13 00-0032 MO 8' x 8' x 20' Storage Container.....	146.40	
For Each Delivery And Removal, Two Round Trips, Add	128.16	
For >12 Months, Deduct	-32.94	
01 52 13 00-0033 MO 8' x 8' x 40' Storage Container.....	173.13	
For Each Delivery And Removal, Two Round Trips, Add	258.11	
For >12 Months, Deduct	-38.95	
01 52 19 Sanitary Facilities (01 52)		
01 52 19 00-0001 Portable Toilets (01 52 19)		
Note: Includes servicing once per week (unless task states otherwise).		
01 52 19 00-0002 WK Portable Chemical Toilet.....	72.68	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	57.54	
01 52 19 00-0003 MO Portable Chemical Toilet.....	218.05	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	57.54	
01 52 19 00-0004 WK Americans With Disabilities Act Compliant Portable Chemical Toilet.....	86.69	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	57.54	
01 52 19 00-0005 MO Americans With Disabilities Act Compliant Portable Chemical Toilet.....	254.39	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	57.54	
01 52 19 00-0006 WK Two Station Portable Handwash.....	56.43	
For Each Delivery And Set-up, Add	57.54	
01 52 19 00-0007 MO Two Station Portable Handwash.....	171.18	
For Each Delivery And Set-up, Add	57.54	
01 52 19 00-0008 MO 6 Station, Portable Toilets, Multi Trailer.....	6,253.92	
Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
For Each Delivery, Set-up And Removal, Two Round Trips, Add	1,226.21	
01 52 19 00-0009 WK Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,105.24	
For One Additional Service Per Week, Add	701.74	
Note: For one less service per week, UOM to be negative one (-1)		



General Requirements		01	Σ
Temporary Facilities and Controls		01 50	
Temporary Construction		01 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 53 Temporary Construction (01 50)

01 53 16 Temporary Decking (01 53)

01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.54	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	38.78	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	15.83	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	29.08	

01 53 23 Temporary Ramps (01 53)

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access.....	1.83	0.59

01 54 Construction Aids (01 50)

01 54 09 Personnel Protection Equipment (01 54)

01 54 09 00-0001 Personnel Protection Equipment (01 54 09)

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE	Personnel Protection Equipment	0.00	

Note: For specification publishing. Review specifications for requirements.

01 54 23 Temporary Scaffolding and Platforms (01 54)

01 54 23 00-0001 Scaffolding (01 54 23)

Note: Additional scaffolding rental for work above the normal working height.

01 54 23 00-0002 Scaffolding Rental - Rental Only (01 54 23 00-0001)

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories, Area Based On 5' Wide Sections, Per CCF / Month.....	44.13	
		For Up To 25, Add	17.65	
		For >25 To 50, Add	11.03	
		For >50 To 150, Add	4.41	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month.....	49.62	
		For Up To 25, Add	19.85	
		For >25 To 50, Add	12.41	
		For >50 To 150, Add	4.96	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories, Area Based On 3' Wide Sections, Per CCF / Month.....	66.19	
		For Up To 25, Add	26.48	
		For >25 To 50, Add	16.55	
		For >50 To 150, Add	6.62	

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	52.77	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	69.20	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	92.35	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	101.59	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	116.98	
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set-up On Stairs, Per CCF Of Scaffolding And Accessories	73.89	

01 54 23 00-0013 Heavy-Duty Masonry Scaffolding Rental - Rental Only (01 54 23 00-0001)

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	70.43	
01 54 23 00-0015	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 2' Wide Sections, Per CCF / Month	129.12	
01 54 23 00-0016	LF	Aluminum Joists, Per LF / Month	11.45	
01 54 23 00-0017	LF	Aluminum Stringers, Per LF / Month.....	16.42	
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers, Per EA / Month	20.69	

01 54 23 00-0019 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

01	General Requirements
01 50	Temporary Facilities and Controls
01 54	Construction Aids



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0020 CCF Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	98.51	
01 54 23 00-0021 CCF >20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	123.13	
01 54 23 00-0022 CCF >40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	147.76	
01 54 23 00-0023 CCF >60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	160.08	
01 54 23 00-0024 CCF >80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	178.55	
01 54 23 00-0025 Scaffolding Accessories (01 54 23 00-0001) See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0026 CSF Netting for Exterior Building Scaffolding..... Note: Includes removal after use.	43.88	
01 54 23 00-0027 Rolling Scaffolding (01 54 23) Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0028 DAY >14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	14.28	
01 54 23 00-0029 WK >14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	57.23	
01 54 23 00-0030 MO >14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	228.90	
01 54 23 00-0031 DAY >20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	23.91	
01 54 23 00-0032 WK >20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	95.76	
01 54 23 00-0033 MO >20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	383.07	
01 54 23 00-0034 EA >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	116.49	
01 54 23 00-0035 EA >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	145.61	
01 54 23 00-0036 Shoring Posts (01 54 23) For >20 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	2.15 8.60 25.81 9.32 -1.40 -3.26 -5.13	
01 54 23 00-0041 Temporary Lumber, Single Use (01 54 23) Note: Includes removal after use.		
01 54 23 00-0042 SF 5/16" CD Grade Plywood, Temporary Lumber.....	2.84	
01 54 23 00-0043 SF 1/2" CD Grade Plywood, Temporary Lumber.....	3.23	
01 54 23 00-0044 SF 5/8" CD Grade Plywood, Temporary Lumber.....	3.50	
01 54 23 00-0045 SF 3/4" CD Grade Plywood, Temporary Lumber.....	3.83	
01 54 23 00-0046 SF 1" CD Grade Plywood, Temporary Lumber.....	5.52	
01 54 23 00-0047 LF 2" x 4" Temporary Lumber.....	3.82	
01 54 23 00-0048 LF 2" x 6" Temporary Lumber.....	4.87	
01 54 23 00-0049 LF 2" x 8" Temporary Lumber.....	5.91	
01 54 23 00-0050 LF 2" x 10" Temporary Lumber.....	6.96	
01 54 23 00-0051 LF 2" x 12" Temporary Lumber.....	8.01	
01 54 23 00-0052 LF 3" x 8" Temporary Lumber.....	8.01	
01 54 23 00-0053 LF 3" x 10" Temporary Lumber.....	9.57	
01 54 23 00-0054 LF 3" x 12" Temporary Lumber.....	11.15	
01 54 23 00-0055 LF 4" x 4" Temporary Lumber.....	5.23	
01 54 23 00-0056 LF 4" x 6" Temporary Lumber.....	7.54	
01 54 23 00-0057 LF 6" x 6" Temporary Lumber.....	9.85	
01 54 23 00-0058 LF 6" x 8" Temporary Lumber.....	12.81	
01 54 23 00-0059 LF 12" x 12" Temporary Lumber.....	31.61	
01 54 23 00-0060 Temporary Precast Concrete Blocks (01 54 23) Note: Includes removal after use.		
01 54 23 00-0061 EA 2' x 2' x 2' Temporary Precast Concrete (Ecology) Block..... Note: Includes removal after use.	128.23	
01 54 23 00-0062 EA 2' x 2' x 4' Temporary Precast Concrete (Ecology) Block..... Note: Includes removal after use.	160.31	
01 54 23 00-0063 EA 2' x 2' x 8' Temporary Precast Concrete (Ecology) Block..... Note: Includes removal after use.	210.91	
01 54 26 Temporary Swing Staging (01 54) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		
01 54 26 00-0001 Swing Stage (01 54 26) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002 MO 7' Swing Stage, Electric Operated.....	3,095.78	
01 54 26 00-0003 MO 10' Swing Stage, Electric Operated.....	3,250.57	
01 54 26 00-0004 MO 14' Swing Stage, Electric Operated.....	3,405.36	



General Requirements			01
Temporary Facilities and Controls			01 50
Construction Aids			01 54

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 26 00-0005 MO 20' Swing Stage, Electric Operated	3,560.15	
01 54 26 00-0006 MO 24' Swing Stage, Electric Operated	3,714.94	
01 54 26 00-0007 MO 30' Swing Stage, Electric Operated	3,869.73	
01 54 26 00-0008 MO 42' Swing Stage, Electric Operated	4,024.52	
01 54 26 00-0009 MO 12' Swing Stage, Manually Operated.....	892.71	
01 54 26 00-0010 MO 24' Swing Stage, Manually Operated.....	1,115.89	
01 54 26 00-0011 EA Swing Stage Platform From Hooks, Erection And Dismantling.....	4,965.90	
Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.		
01 54 26 00-0012 EA Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling	6,900.97	
Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.		
01 54 26 00-0013 EA Move Swing Stage Platform From Hooks To Different Location At Same Roof.....	2,611.18	
01 54 26 00-0014 EA Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	3,636.99	

01 55 Vehicular Access and Parking (01 50)

01 55 23 Temporary Roads (01 55)

01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)

Note: As per Caltrans detail.

01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	3.50	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly	4.59	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		

01 55 23 00-0004 Rumble Trench Plate (01 55 23)

01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental	413.50	
01 55 23 00-0006 EA Placement And Removal Of Rumble Plate	102.16	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate.....	25.54	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		

01 55 23 00-0008 Temporary Road Ramps (Godwin) (01 55 23)

Note: Excludes asphalt and gravel.

01 55 23 00-0009 EA 4" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	5,076.31	227.92
01 55 23 00-0010 EA 6" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	6,911.35	341.89
01 55 23 00-0011 EA 8" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	9,549.95	455.84
01 55 23 00-0012 EA 12" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	19,822.38	569.81
01 55 23 00-0013 EA 24" Diameter Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	29,090.35	683.76

01 55 26 Traffic Control (01 55)

01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask	5.41	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask	6.53	

01 55 26 00-0004 Temporary Preformed Traffic Line Tape (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	5.47	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	7.45	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....	9.35	

01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines	2.49	
Note: Includes removal after use		
For Not Removed, Deduct		
	-1.68	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines	3.28	
Note: Includes removal after use		
For Not Removed, Deduct		
	-2.29	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines	4.12	
Note: Includes removal after use		
For Not Removed, Deduct		
	-2.92	
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	3.41	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	3.44	

01 55 26 00-0014 Temporary Pedestrian Traffic Control (01 55 26)

01 55 26 00-0015 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	11.28	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	14.79	
01 55 26 00-0017 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	8.77	
01 55 26 00-0018 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	10.78	

01	General Requirements
01 50	Temporary Facilities and Controls
01 55	Vehicular Access and Parking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0019 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	11.76	
01 55 26 00-0020 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	16.20	
01 55 26 00-0021 CLF 1" Exterior Vinyl Warning Tape	13.43	
01 55 26 00-0022 CLF 2" Exterior Vinyl Warning Tape	18.88	
01 55 26 00-0023 CLF 3" Exterior Vinyl Warning Tape	23.77	
01 55 26 00-0024 CLF 4" Exterior Vinyl Warning Tape	27.81	
01 55 26 00-0025 Linear Delineation System, Temporary Or Permanent (01 55 26)		
Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0026 LF 4" Linear Delineation System	11.71	
01 55 26 00-0027 LF 6" Linear Delineation System	15.85	
01 55 26 00-0028 Temporary Traffic Protection (01 55 26)		
01 55 26 00-0029 Temporary Portable Traffic Control Device Usage (01 55 26 00-0028)		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0150 for Initial delivery, placement and final removal of temporary traffic devices, 01 55 26 00-0166 for daily (or as needed) placement and removal of temporary traffic devices.		
01 55 26 00-0030 DAY 28" Cone With Reflective Collar	0.89	
01 55 26 00-0031 WK 28" Cone With Reflective Collar	2.66	
01 55 26 00-0032 MO 28" Cone With Reflective Collar	7.99	
01 55 26 00-0033 DAY 36" Traffic Cone With Reflective Collar	1.11	
01 55 26 00-0034 WK 36" Traffic Cone With Reflective Collar	3.33	
01 55 26 00-0035 MO 36" Traffic Cone With Reflective Collar	9.99	
01 55 26 00-0036 DAY Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post	2.09	
01 55 26 00-0037 WK Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post	6.27	
01 55 26 00-0038 MO Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post	18.82	
01 55 26 00-0039 DAY Vertical Panel	2.68	
01 55 26 00-0040 WK Vertical Panel	8.04	
01 55 26 00-0041 MO Vertical Panel	24.13	
01 55 26 00-0042 DAY Channelizer Drum	2.91	
01 55 26 00-0043 WK Channelizer Drum	8.73	
01 55 26 00-0044 MO Channelizer Drum	26.20	
01 55 26 00-0045 DAY Stackable Channelizer Panel	1.38	
01 55 26 00-0046 WK Stackable Channelizer Panel	4.13	
01 55 26 00-0047 MO Stackable Channelizer Panel	12.39	
01 55 26 00-0048 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.91	
01 55 26 00-0049 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.72	
01 55 26 00-0050 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	17.16	
01 55 26 00-0051 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.23	
01 55 26 00-0052 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	12.68	
01 55 26 00-0053 MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	38.03	
01 55 26 00-0054 DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.82	
01 55 26 00-0055 WK Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.45	
01 55 26 00-0056 MO Type III Barricade, Up To 5' Wide With Three Reflective Rails	43.34	
01 55 26 00-0057 DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.81	
01 55 26 00-0058 WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails	26.43	
01 55 26 00-0059 MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails	79.28	
01 55 26 00-0060 DAY Up To 10' Wide A Frame Barricade	4.83	
01 55 26 00-0061 WK Up To 10' Wide A Frame Barricade	14.49	
01 55 26 00-0062 MO Up To 10' Wide A Frame Barricade	43.48	
01 55 26 00-0063 DAY Type A Or C Flasher	0.98	
01 55 26 00-0064 WK Type A Or C Flasher	2.95	
01 55 26 00-0065 MO Type A Or C Flasher	8.86	
01 55 26 00-0066 DAY Type B High Intensity Flasher	5.34	
01 55 26 00-0067 WK Type B High Intensity Flasher	16.02	
01 55 26 00-0068 MO Type B High Intensity Flasher	48.07	
01 55 26 00-0069 Temporary Traffic Barriers Usage (01 55 26 00-0028)		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0150 for delivery, placing and removal.		
01 55 26 00-0070 DAY 6' Long Portable Parking Curbs	2.30	
01 55 26 00-0071 WK 6' Long Portable Parking Curbs	6.90	
01 55 26 00-0072 MO 6' Long Portable Parking Curbs	20.71	
01 55 26 00-0073 DAY 6' Long Portable Speed Bumps	6.81	
01 55 26 00-0074 WK 6' Long Portable Speed Bumps	20.42	
01 55 26 00-0075 MO 6' Long Portable Speed Bumps	61.28	
01 55 26 00-0076 DAY 8' To 12.5' Concrete Traffic Barrier	16.36	
01 55 26 00-0077 WK 8' To 12.5' Concrete Traffic Barrier	49.07	
01 55 26 00-0078 MO 8' To 12.5' Concrete Traffic Barrier	147.21	
01 55 26 00-0079 DAY >12.5' To 20' Concrete Traffic Barrier	32.71	
01 55 26 00-0080 WK >12.5' To 20' Concrete Traffic Barrier	98.14	
01 55 26 00-0081 MO >12.5' To 20' Concrete Traffic Barrier	294.42	
01 55 26 00-0082 DAY 6' x 32" Tall Plastic Water Barrier	19.53	
01 55 26 00-0083 WK 6' x 32" Tall Plastic Water Barrier	58.60	
01 55 26 00-0084 MO 6' x 32" Tall Plastic Water Barrier	175.80	
01 55 26 00-0085 DAY 6' x 46" Tall Plastic Water Barrier	27.89	
01 55 26 00-0086 WK 6' x 46" Tall Plastic Water Barrier	83.67	
01 55 26 00-0087 MO 6' x 46" Tall Plastic Water Barrier	251.02	



General Requirements			01
Temporary Facilities and Controls			01 50
Vehicular Access and Parking			01 55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0088 DAY Sand Filled Crash Attenuator Barrels	10.92	
01 55 26 00-0089 WK Sand Filled Crash Attenuator Barrels	32.75	
01 55 26 00-0090 MO Sand Filled Crash Attenuator Barrels	98.25	
01 55 26 00-0091 MO Rolling Straight Concrete Barrier, Per Each Barrier Per Month	3,627.45	
01 55 26 00-0092 MO Rolling Absorbing Concrete Barrier, Per Each Barrier Per Month	1,450.98	
01 55 26 00-0093 MO Rolling Transition Concrete Barrier, Per Each Barrier Per Month	386.93	
01 55 26 00-0094 EA 2 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 2 (44 MPH), 24" Wide	6,742.41	
Note: Includes delivery, pickup and two months rental.		
01 55 26 00-0095 MO 2 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 2 (44 MPH), 24" Wide	640.17	
Note: Rental rate after 1st two months.		
01 55 26 00-0096 EA 5 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (62 MPH), 24" Wide	8,086.41	
Note: Includes delivery, pickup and two months rental.		
01 55 26 00-0097 MO 5 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (62 MPH), 24" Wide	960.26	
Note: Rental rate after 1st two months.		
01 55 26 00-0098 EA 8 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (71 MPH), 24" Wide	9,857.19	
Note: Includes delivery, pickup and two months rental.		
01 55 26 00-0099 MO 8 Bay, Non-Gating, Redirective Crash Cushion System, 71 MPH, 24" Wide	1,173.64	
Note: Rental rate after 1st two months.		
01 55 26 00-0100 MO 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)	1,549.20	
Note: Consists of 8 bays with nose piece at the front of the system.		
01 55 26 00-0101 Temporary Portable Signs And Message Displays Usage (01 55 26 00-0028)		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0150 for delivery, placing and removal.		
01 55 26 00-0102 DAY Mesh Or Vinyl Roll-up Sign With Stand	8.57	
01 55 26 00-0103 WK Mesh Or Vinyl Roll-up Sign With Stand	25.71	
01 55 26 00-0104 MO Mesh Or Vinyl Roll-up Sign With Stand	77.14	
01 55 26 00-0105 DAY 18" x 18" Aluminum Construction Sign, With Portable Stand	3.33	
01 55 26 00-0106 WK 18" x 18" Aluminum Construction Sign, With Portable Stand	9.98	
01 55 26 00-0107 MO 18" x 18" Aluminum Construction Sign, With Portable Stand	29.95	
01 55 26 00-0108 DAY 30" x 24" Aluminum Construction Sign, With Portable Stand	4.58	
01 55 26 00-0109 WK 30" x 24" Aluminum Construction Sign, With Portable Stand	13.74	
01 55 26 00-0110 MO 30" x 24" Aluminum Construction Sign, With Portable Stand	41.21	
01 55 26 00-0111 DAY 30" x 30" Aluminum Construction Sign, With Portable Stand	4.07	
01 55 26 00-0112 WK 30" x 30" Aluminum Construction Sign, With Portable Stand	12.20	
01 55 26 00-0113 MO 30" x 30" Aluminum Construction Sign, With Portable Stand	36.59	
01 55 26 00-0114 DAY 48" x 18" Aluminum Construction Sign, With Portable Stand	5.00	
01 55 26 00-0115 WK 48" x 18" Aluminum Construction Sign, With Portable Stand	14.99	
01 55 26 00-0116 MO 48" x 18" Aluminum Construction Sign, With Portable Stand	44.98	
01 55 26 00-0117 DAY 48" x 24" Aluminum Construction Sign, With Portable Stand	5.84	
01 55 26 00-0118 WK 48" x 24" Aluminum Construction Sign, With Portable Stand	17.51	
01 55 26 00-0119 MO 48" x 24" Aluminum Construction Sign, With Portable Stand	52.53	
01 55 26 00-0120 DAY 48" x 30" Aluminum Construction Sign, With Portable Stand	6.68	
01 55 26 00-0121 WK 48" x 30" Aluminum Construction Sign, With Portable Stand	20.03	
01 55 26 00-0122 MO 48" x 30" Aluminum Construction Sign, With Portable Stand	60.08	
01 55 26 00-0123 DAY 48" x 36" Aluminum Construction Sign, With Portable Stand	7.52	
01 55 26 00-0124 WK 48" x 36" Aluminum Construction Sign, With Portable Stand	22.55	
01 55 26 00-0125 MO 48" x 36" Aluminum Construction Sign, With Portable Stand	67.64	
01 55 26 00-0126 DAY 48" x 48" Aluminum Construction Sign, With Portable Stand	9.19	
01 55 26 00-0127 WK 48" x 48" Aluminum Construction Sign, With Portable Stand	27.58	
01 55 26 00-0128 MO 48" x 48" Aluminum Construction Sign, With Portable Stand	82.74	
01 55 26 00-0129 DAY 60" x 24" Aluminum Construction Sign, With Portable Stand	9.16	
01 55 26 00-0130 WK 60" x 24" Aluminum Construction Sign, With Portable Stand	27.47	
01 55 26 00-0131 MO 60" x 24" Aluminum Construction Sign, With Portable Stand	82.41	
01 55 26 00-0132 DAY 60" x 30" Aluminum Construction Sign, With Portable Stand	10.21	
01 55 26 00-0133 WK 60" x 30" Aluminum Construction Sign, With Portable Stand	30.62	
01 55 26 00-0134 MO 60" x 30" Aluminum Construction Sign, With Portable Stand	91.85	
01 55 26 00-0135 DAY 60" x 36" Aluminum Construction Sign, With Portable Stand	11.25	
01 55 26 00-0136 WK 60" x 36" Aluminum Construction Sign, With Portable Stand	33.76	
01 55 26 00-0137 MO 60" x 36" Aluminum Construction Sign, With Portable Stand	101.29	
01 55 26 00-0138 DAY Aluminum Sign And Post	4.76	
01 55 26 00-0139 WK Aluminum Sign And Post	14.28	
01 55 26 00-0140 MO Aluminum Sign And Post	42.84	
01 55 26 00-0141 DAY Trailer Mounted Flashing Arrow Board	177.00	
01 55 26 00-0142 WK Trailer Mounted Flashing Arrow Board	489.91	
01 55 26 00-0143 MO Trailer Mounted Flashing Arrow Board	1,295.89	
01 55 26 00-0144 DAY Trailer Mounted Portable Variable Message Sign (PVMS)	303.66	
01 55 26 00-0145 WK Trailer Mounted Portable Variable Message Sign (PVMS)	809.76	
01 55 26 00-0146 MO Trailer Mounted Portable Variable Message Sign (PVMS)	1,619.52	
01 55 26 00-0147 DAY Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two	1,457.96	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0148 WK Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two	4,373.88	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0149 MO Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two	13,121.64	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		

01	General Requirements
01 50	Temporary Facilities and Controls
01 55	Vehicular Access and Parking



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0150		Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Protection Using Truck (01 55 26 00-0028) Note: Includes delivery and return up to 15 miles. See CSI section 01 55 26 00-0166 for daily (or as needed) placement and removal of temporary traffic devices, 01 74 19 00-0043 for delivery >15 miles.		
01 55 26 00-0151	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Cones Using Truck	4.02	
01 55 26 00-0152	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Cones Using Truck	3.52	
01 55 26 00-0153	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Panels/Channelizers Using Truck	6.65	
01 55 26 00-0154	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Panels/Channelizers Using Truck	5.54	
01 55 26 00-0155	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Barricades Using Truck	10.07	
01 55 26 00-0156	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Barricades Using Truck	8.05	
01 55 26 00-0157	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Curbs/Speed Bumps Using Truck	10.07	
01 55 26 00-0158	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Portable Sign And Stand Using Truck	6.04	
01 55 26 00-0159	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Aluminum Sign And Post Using Truck	25.17	
01 55 26 00-0160	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Trailer Mounted Boards And Signals Using Truck	75.50	
01 55 26 00-0161	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary 8' To 12.5' Concrete Traffic Barrier	102.16	
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
		For 1 Barrier, Add	255.40	
		For 2 Barriers, Add	91.94	
		For 3 Barriers, Add	30.65	
01 55 26 00-0162	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary >12.5' To 20' Concrete Traffic Barrier	153.24	
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
		For 1 Barrier, Add	383.10	
		For 2 Barriers, Add	137.92	
		For 3 Barriers, Add	45.97	
01 55 26 00-0163	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Plastic Water Barrier	58.55	
		Note: Includes additional water as needed. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.		
		For 1 Barrier, Add	127.70	
		For 2 Barriers, Add	45.97	
		For 3 Barriers, Add	15.32	
01 55 26 00-0164	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Crash Attenuator Barrels	76.62	
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
		For 1 Barrier, Add	191.55	
		For 2 Barriers, Add	68.96	
		For 3 Barriers, Add	22.99	
01 55 26 00-0165	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)	561.87	
		Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 55 26 00-0166		Placement And Remove Temporary Traffic Protection From Roadside Or Work Area (Daily Or As Required) (01 55 26 00-0028)		
01 55 26 00-0167	EA	Placement And Removal Of Up To 250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.52	
01 55 26 00-0168	EA	Placement And Removal Of >250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.01	
01 55 26 00-0169	EA	Placement And Removal Of Up To 250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	3.36	
01 55 26 00-0170	EA	Placement And Removal Of >250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	2.68	
01 55 26 00-0171	EA	Placement And Removal Of Up To 250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	5.04	
01 55 26 00-0172	EA	Placement And Removal Of >250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	4.02	
01 55 26 00-0173	EA	Placement And Removal Of Temporary Traffic Portable Sign And Stand From Roadside Or Work Area	2.99	
01 55 26 00-0174	EA	Placement And Removal Of Temporary Traffic Trailer Mounted Boards And Signals From Roadside Or Work Area	37.74	
01 55 26 00-0175	EA	Relocation Of Temporary Traffic Concrete Traffic Barrier From Roadside Or Work Area	51.08	
		Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 26 00-0176		Place And Remove Temporary Signs For Detours (01 55 26 00-0028)		
01 55 26 00-0177		Temporary Reflectorized Signs For Detours (01 55 26 00-0176) Note: Excludes posts.		
01 55 26 00-0178		Temporary Aluminum Engineer Grade Stop Signs For Detours (01 55 26 00-0177)		
01 55 26 00-0179	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	94.70	
		For Hi-Intensity Grade, Add	9.53	
		For Diamond Grade, Add	18.10	
01 55 26 00-0180	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	107.96	
		For Hi-Intensity Grade, Add	12.46	
		For Diamond Grade, Add	23.67	
01 55 26 00-0181	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	116.36	
		For Hi-Intensity Grade, Add	19.03	
		For Diamond Grade, Add	30.17	
01 55 26 00-0182	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	132.88	
		For Hi-Intensity Grade, Add	7.13	
		For Diamond Grade, Add	38.64	



General Requirements			01
Temporary Facilities and Controls			01 50
Vehicular Access and Parking			01 55

5

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0183	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours..... For Hi-Intensity Grade, Add For Diamond Grade, Add	172.20 20.96 65.73	
01 55 26 00-0184		Other Temporary ReflectORIZED Traffic Signs For Detours (01 55 26 00-0177) Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
01 55 26 00-0185		Temporary Aluminum Engineer Grade Traffic Signs For Detours (01 55 26 00-0184)		
01 55 26 00-0186	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	63.82 2.36	
01 55 26 00-0187	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	67.75 3.54	
01 55 26 00-0188	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	67.75 3.54	
01 55 26 00-0189	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	70.70 4.43	
01 55 26 00-0190	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	73.65 5.31	
01 55 26 00-0191	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	83.05 7.08	
01 55 26 00-0192	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	106.65 14.16	
01 55 26 00-0193	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	71.68 4.72	
01 55 26 00-0194	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	83.05 7.08	
01 55 26 00-0195	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	90.91 9.44	
01 55 26 00-0196	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	98.78 11.80	
01 55 26 00-0197	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	106.65 14.16	
01 55 26 00-0198	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	94.85 10.62	
01 55 26 00-0199	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	106.65 14.16	
01 55 26 00-0200	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	121.95 17.70	
01 55 26 00-0201	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	133.75 21.24	
01 55 26 00-0202	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	183.13 31.86	
01 55 26 00-0203	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	125.88 18.88	
01 55 26 00-0204	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	141.61 23.60	
01 55 26 00-0205	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	157.34 28.32	
01 55 26 00-0206	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	187.07 33.04	
01 55 26 00-0207	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	202.80 37.76	
01 55 26 00-0208	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	218.53 42.48	
01 55 26 00-0209	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	161.28 29.50	
01 55 26 00-0210	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	194.93 35.40	
01 55 26 00-0211	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	214.60 41.30	
01 55 26 00-0212	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	248.25 47.20	
01 55 26 00-0213	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	301.56 59.00	
01 55 26 00-0214	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	218.53 42.48	
01 55 26 00-0215	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	256.12 49.56	
01 55 26 00-0216	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	293.70 56.64	
01 55 26 00-0217	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	317.30 63.72	
01 55 26 00-0218	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	354.89 70.80	
01 55 26 00-0219	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	420.01 86.14	
01 55 26 00-0220	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	439.67 92.03	
01 55 26 00-0221	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	578.64 127.43	
01 55 26 00-0222	EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours For Hi-Intensity Grade, Add	297.63 57.82	

01	General Requirements
01 50	Temporary Facilities and Controls
01 55	Vehicular Access and Parking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0223 EA Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	370.62 75.52	
01 55 26 00-0224 EA Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	416.07 84.95	
01 55 26 00-0225 EA Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	447.54 94.40	
01 55 26 00-0226 EA Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	499.98 103.83	
01 55 26 00-0227 EA Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	531.45 113.27	
01 55 26 00-0228 EA Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	608.37 132.15	
01 55 26 00-0229 EA Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	671.30 151.03	
01 55 26 00-0230 EA Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	702.76 160.47	
01 55 26 00-0231 EA Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	741.23 169.91	
01 55 26 00-0232 EA Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	639.83 141.59	
01 55 26 00-0233 EA Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	992.94 245.42	
01 55 26 00-0234 Temporary Overhead Sign Structures For Detours (01 55 26 00-0176) Note: Including horizontal Z-bars.		
01 55 26 00-0235 SF From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours <i>For Over 10' High, Add</i>	22.50 13.00	
01 55 26 00-0236 Temporary Sign Posts For Detours (01 55 26 00-0176) Note: Excludes sign.		
01 55 26 00-0237 Temporary U-Channel Sign Posts For Detours (01 55 26 00-0236) Note: Excludes digging and concrete.		
01 55 26 00-0238 Temporary Baked Enamel U-Channel Sign Posts For Detours (01 55 26 00-0237)		
01 55 26 00-0239 EA Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	84.37	
01 55 26 00-0240 EA Temporary 6' Baked Enamel U-Channel Sign Post For Detours	109.71	
01 55 26 00-0241 EA Temporary 7' Baked Enamel U-Channel Sign Post For Detours	131.12	
01 55 26 00-0242 EA Temporary 8' Baked Enamel U-Channel Sign Post For Detours	153.42	
01 55 26 00-0243 EA Temporary 10' Baked Enamel U-Channel Sign Post For Detours	185.34	
01 55 26 00-0244 EA Temporary 12' Baked Enamel U-Channel Sign Post For Detours	196.85	
01 55 26 00-0245 Temporary Galvanized Steel U-Channel Sign Posts For Detours (01 55 26 00-0237)		
01 55 26 00-0246 EA Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours.....	89.97	
01 55 26 00-0247 EA Temporary 6' Galvanized Steel U-Channel Sign Post For Detours.....	118.59	
01 55 26 00-0248 EA Temporary 7' Galvanized Steel U-Channel Sign Post For Detours.....	151.21	
01 55 26 00-0249 EA Temporary 8' Galvanized Steel U-Channel Sign Post For Detours.....	175.62	
01 55 26 00-0250 EA Temporary 10' Galvanized Steel U-Channel Sign Post For Detours.....	201.51	
01 55 26 00-0251 EA Temporary 12' Galvanized Steel U-Channel Sign Post For Detours.....	210.91	
01 55 26 00-0252 Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours (01 55 26 00-0237)		
01 55 26 00-0253 EA Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours.....	83.05	
01 55 26 00-0254 EA Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	106.84	
01 55 26 00-0255 EA Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	127.66	
01 55 26 00-0256 EA Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	149.29	
01 55 26 00-0257 EA Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	177.85	
01 55 26 00-0258 EA Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	192.41	
01 55 26 00-0259 Temporary Tubular Sign Posts For Detours (01 55 26 00-0236) Note: Excludes digging and concrete.		
01 55 26 00-0260 Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours (01 55 26 00-0259)		
01 55 26 00-0261 EA Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	119.51	
01 55 26 00-0262 EA Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	142.09	
01 55 26 00-0263 EA Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	167.48	
01 55 26 00-0264 EA Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	213.66	
01 55 26 00-0265 EA Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	231.29	
01 55 26 00-0266 Temporary Square Sign Posts For Detours (01 55 26 00-0236) Note: Excludes digging and concrete.		
01 55 26 00-0267 Temporary Galvanized Steel Square Sign Posts For Detours (01 55 26 00-0266)		
01 55 26 00-0268 EA Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	91.21	
01 55 26 00-0269 EA Temporary 6' Galvanized Steel Square Sign Post For Detours	139.63	
01 55 26 00-0270 EA Temporary 7' Galvanized Steel Square Sign Post For Detours	164.30	



General Requirements			01
Temporary Facilities and Controls			01 50
Vehicular Access and Parking			01 55

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
01 55 26 00-0271	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	191.64	
01 55 26 00-0272	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	233.83	
01 55 26 00-0273	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	251.62	
01 55 26 00-0274		Temporary Breakaway Sign Posts And Bases For Detours (01 55 26 00-0176) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0275		Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0274)		
01 55 26 00-0276		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0275)		
01 55 26 00-0277	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	105.92	
01 55 26 00-0278	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	66.29	
01 55 26 00-0279		Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours (01 55 26 00-0275)		
01 55 26 00-0280	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours	12.39	
01 55 26 00-0281		Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0274)		
01 55 26 00-0282		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0281)		
01 55 26 00-0283	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	109.40	
01 55 26 00-0284	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	66.29	
01 55 26 00-0285		Temporary Breakaway Sign Posts, 4 Lb./LF For Detours (01 55 26 00-0281)		
01 55 26 00-0286	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours	14.55	
01 55 26 00-0287		Temporary Driven Sign Posts For Detours (01 55 26 00-0274)		
01 55 26 00-0288		Temporary Driven Posts, 2.5 Lb./LF For Detours (01 55 26 00-0287)		
01 55 26 00-0289	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.25	
		For Each Soil Plate, Add	3.00	
01 55 26 00-0290		Temporary Driven Posts, 4 Lb./LF For Detours (01 55 26 00-0287)		
01 55 26 00-0291	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.35	
		For Each Soil Plate, Add	3.00	
01 55 26 00-0292		Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours (01 55 26 00-0274)		
01 55 26 00-0293		Temporary Omni-Directional Breakaway Systems For Signs For Detours (01 55 26 00-0292) Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0294	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Transpo B525)	1,190.64	
01 55 26 00-0295	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Transpo B650)	1,268.82	
01 55 26 00-0296	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Transpo A14 And A16)	869.85	
01 55 26 00-0297	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Transpo A3 And A4.5)	761.86	
01 55 26 00-0298	EA	Temporary Omni-Directional Breakaway System For Square Tube (Transpo AS3 And AS4)	863.85	
01 55 26 00-0299	EA	Temporary Omni-Directional Breakaway System For U-Channels (Transpo AU4 To AU6)	821.86	
01 55 26 00-0300	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Transpo AUX4 To AUX6)	772.64	
01 55 26 00-0301		Temporary Omni-Directional Breakaway Systems For Poles For Detours (01 55 26 00-0292) Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
01 55 26 00-0302	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings	426.73	
01 55 26 00-0303	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings	447.43	
01 55 26 00-0304	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings	464.62	
01 55 26 00-0305	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	705.50	
01 55 26 00-0306	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	61.95	
01 55 26 00-0307	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	82.59	
01 55 26 00-0308		Temporary Rumble Strips (01 55 26) Note: Includes removal after use.		
01 55 26 00-0309	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	13.98	
01 55 26 00-0310	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	10.06	

01 56 Temporary Barriers and Enclosures (01 50)

Note: Includes removal after use.

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16		Temporary Dust Barriers (01 56)		
01 56 16 00-0001		Temporary Sheeting For Protection (01 56 16)		
		Note: Includes removal after use.		
01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors.....	0.40	
		Note: Includes removal after use.		
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls.....	0.52	
		Note: Includes removal after use.		
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.68	
		Note: Includes removal after use.		
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.68	
		Note: Includes removal after use.		
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.49	
		Note: Includes removal after use.		
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.61	
		Note: Includes removal after use.		
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.77	
		Note: Includes removal after use.		
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.73	
		Note: Includes removal after use.		
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.95	
		Note: Includes removal after use.		
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors.....	0.52	
		Note: Includes removal after use.		
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls.....	0.64	
		Note: Includes removal after use.		
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings.....	0.80	
		Note: Includes removal after use.		
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding.....	0.76	
		Note: Includes removal after use.		
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors.....	0.51	
		Note: Includes removal after use.		
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.63	
		Note: Includes removal after use.		
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.79	
		Note: Includes removal after use.		
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.75	
		Note: Includes removal after use.		
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.58	
		Note: Includes removal after use.		
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.70	
		Note: Includes removal after use.		
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.86	
		Note: Includes removal after use.		
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.82	
		Note: Includes removal after use.		
01 56 16 00-0023		Temporary Canvas For Protection (01 56 16)		
		Note: Includes removal after use.		
01 56 16 00-0024	SF	Heavy-Duty Woven Water Repellant Canvas, Applied To Walls.....	1.06	
01 56 16 00-0025		Accessories For Temporary Sheeting (01 56 16)		
		Note: Includes removal after use.		
01 56 16 00-0026	EA	7' Zipper Door For Plastic Sheeting.....	25.49	
		Note: Includes removal after use.		
01 56 16 00-0027	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	10.10	
		Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.		
01 56 16 00-0028		Temporary Critical Barriers For Protection (01 56 16)		
		Note: Includes removal after use.		
01 56 16 00-0029	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles.....	13.93	
		Note: Includes removal after use.		
01 56 16 00-0030	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc.	21.11	
		Note: Includes removal after use.		
01 56 16 00-0031	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc.	28.36	
		Note: Includes removal after use.		
01 56 16 00-0032	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc.	44.30	
		Note: Includes removal after use.		
01 56 16 00-0033		Temporary Stud Wall (01 56 16)		
		Note: Includes removal after use.		
01 56 16 00-0034		Temporary Stud Wall With Drywall (01 56 16 00-0033)		
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0035		Temporary Stud Wall With Drywall (01 56 16 00-0034)		



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0036	SF		3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.31 1.08	
01 56 16 00-0037	SF		1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.31 1.08	
01 56 16 00-0038	SF		5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.42 1.08	
01 56 16 00-0039	SF		3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.13 1.19	
01 56 16 00-0040	SF		1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.13 1.19	
01 56 16 00-0041	SF		5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.36 1.19	
01 56 16 00-0042 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0034)					
01 56 16 00-0043	SF		1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.44 1.08	
01 56 16 00-0044	SF		5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.48 1.08	
01 56 16 00-0045	SF		5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.41 1.08	
01 56 16 00-0046	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.29 1.08	
01 56 16 00-0047	SF		1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.39 1.19	
01 56 16 00-0048	SF		5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.47 1.19	
01 56 16 00-0049	SF		5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.33 1.19	
01 56 16 00-0050	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	12.10 1.19	
01 56 16 00-0051 Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0033)					
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.					
01 56 16 00-0052	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.15 1.08	
01 56 16 00-0053	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.19 1.08	
01 56 16 00-0054	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.33 1.08	
01 56 16 00-0055	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.40 1.08	
01 56 16 00-0056	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.81 1.19	
01 56 16 00-0057	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.90 1.19	
01 56 16 00-0058	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.18 1.19	
01 56 16 00-0059	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.33 1.19	
01 56 16 00-0060 Temporary Stud Wall With BC Plywood (01 56 16 00-0033)					
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.					
01 56 16 00-0061	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.47 1.08	

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0062	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....7.65 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.08	
01 56 16 00-0063	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....7.80 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.08	
01 56 16 00-0064	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....7.94 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.08	
01 56 16 00-0065	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 10.46 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.19	
01 56 16 00-0066	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 10.82 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.19	
01 56 16 00-0067	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 11.11 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.19	
01 56 16 00-0068	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 11.40 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.19	
01 56 16 00-0069		Temporary Stud Wall With Plastic Sheeting (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0070	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 4.17 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0071	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....4.26 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0072	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 4.28 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0073	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 4.27 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0074	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 4.35 Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0075		Temporary Doors (01 56 16 00-0033) Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0076	EA	Temporary Metal Door And Frame 673.05 Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
01 56 16 00-0077		Temporary Floor Protection (01 56 16) Note: Includes removal after use.		
01 56 16 00-0078	SF	1/8" Thick, Masonite For Temporary Floor Protection.....1.89 Note: Includes removal after use.		
01 56 16 00-0079	SF	1/2" Thick, Plywood For Temporary Floor Protection.....1.99 Note: Includes removal after use.		
01 56 16 00-0080	SF	3/4" Thick, Plywood For Temporary Floor Protection.....2.24 Note: Includes removal after use.		
01 56 16 00-0081	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection 0.90 Note: Includes removal after use.		
01 56 16 00-0082	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection 0.35 Note: Includes removal after use.		
01 56 16 00-0083	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film.....28.09 Note: Includes removal after use.		
01 56 16 00-0084	SF	Burlap For Temporary Floor Protection.....0.76 Note: Includes removal after use.		
01 56 16 00-0085	LF	36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection 0.64 Note: Includes removal after use.		
		<i>For Seam Tape, Add Per LF</i>	0.27	
01 56 16 00-0086	LF	36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection 0.74 Note: Includes removal after use.		
		<i>For Seam Tape, Add Per LF</i>	0.27	
01 56 16 00-0087		Sticky Mats (01 56 16) Note: Includes removal after use.		
01 56 16 00-0088	EA	18" x 36", 30 Layer Sticky Mat 38.78 Note: Includes removal after use.		
		<i>For 60 Layers Instead Of 30, Add</i>	25.58	
01 56 16 00-0089	EA	18" x 46", 30 Layer Sticky Mat 44.47 Note: Includes removal after use.		
		<i>For 60 Layers Instead Of 30, Add</i>	29.85	



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0090	EA		24" x 36", 30 Layer Sticky Mat..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	44.47 29.85	
01 56 16 00-0091	EA		25" x 45", 30 Layer Sticky Mat..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	58.68 40.51	
01 56 16 00-0092	EA		36" x 36", 30 Layer Sticky Mat..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	64.37 44.78	
01 56 16 00-0093	EA		36" x 46", 30 Layer Sticky Mat..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	70.05 49.04	
01 56 16 00-0094	EA		36" x 60", 30 Layer Sticky Mat..... Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	141.13 102.35	
01 56 16 00-0095	EA		36" x 72", 30 Layer Sticky Mat..... Note: Includes removal after use.	168.42	
01 56 26 Temporary Fencing (01 56)					
01 56 26 00-0001			Temporary Fencing (01 56 26) Note: Per ASTM A392-06 Standards		
01 56 26 00-0002			Temporary Chain Link Fence (01 56 26 00-0001) Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)		
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.30 -0.18 -0.36 -0.54 1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	8.13 -0.20 -0.40 -0.60 2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	11.29 -0.34 -0.68 -1.02 3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	25.19 -1.01 -2.02 -3.04 4.75	
01 56 26 00-0008			Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)		
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.67 -0.20 -0.39 -0.59 1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	8.53 -0.22 -0.44 -0.66 2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	11.96 -0.37 -0.75 -1.12 3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	27.21 -1.11 -2.23 -3.34 4.75	
01 56 26 00-0013			Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	8.07 -0.22 -0.43 -0.65 1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	8.99 -0.24 -0.49 -0.73 2.55	

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	12.72	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.82	
For >500, Deduct	-1.24	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	29.44	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-3.67	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	8.49	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.48	
For >500, Deduct	-0.71	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	9.44	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-0.80	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	13.53	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.36	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	31.88	
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-4.04	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	297.53	
For Each LF Shade Cloth, Add	16.99	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	503.23	
For Each LF Shade Cloth, Add	42.48	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	564.06	
For Each LF Shade Cloth, Add	50.98	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	641.66	
For Each LF Shade Cloth, Add	63.72	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	769.38	
For Each LF Shade Cloth, Add	84.96	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	855.51	
For Each LF Shade Cloth, Add	101.96	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	318.13	
For Each LF Shade Cloth, Add	27.08	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	542.62	
For Each LF Shade Cloth, Add	67.71	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	609.47	
For Each LF Shade Cloth, Add	81.25	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	705.27	
For Each LF Shade Cloth, Add	101.56	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	852.97	
For Each LF Shade Cloth, Add	135.41	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	966.08	
For Each LF Shade Cloth, Add	162.49	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	354.98	
For Each LF Shade Cloth, Add	38.23	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	620.68	
For Shade Cloth, Add	95.58	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	694.87	
For Shade Cloth, Add	114.70	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	794.81	
For Shade Cloth, Add	143.38	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	971.37	
For Shade Cloth, Add	191.17	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,124.19	
For Shade Cloth, Add	229.40	



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0046			10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	430.76	
			For Each LF Shade Cloth, Add.....	50.45	
01 56 26 00-0048	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	745.76	
			For Each LF Shade Cloth, Add.....	126.12	
01 56 26 00-0049	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	836.55	
			For Each LF Shade Cloth, Add.....	151.34	
01 56 26 00-0050	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	955.51	
			For Each LF Shade Cloth, Add.....	189.18	
01 56 26 00-0051	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,168.05	
			For Each LF Shade Cloth, Add.....	252.23	
01 56 26 00-0052	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,345.76	
			For Each LF Shade Cloth, Add.....	302.68	
01 56 26 00-0053			Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054			4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	308.91	
			For Each LF Shade Cloth, Add.....	16.99	
01 56 26 00-0056	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	520.93	
			For Each LF Shade Cloth, Add.....	42.48	
01 56 26 00-0057	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	584.28	
			For Each LF Shade Cloth, Add.....	50.98	
01 56 26 00-0058	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	664.42	
			For Each LF Shade Cloth, Add.....	63.72	
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	797.20	
			For Each LF Shade Cloth, Add.....	84.96	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	885.86	
			For Each LF Shade Cloth, Add.....	101.96	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	330.03	
			For Each LF Shade Cloth, Add.....	27.08	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	561.12	
			For Each LF Shade Cloth, Add.....	67.71	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	630.62	
			For Each LF Shade Cloth, Add.....	81.25	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	729.06	
			For Each LF Shade Cloth, Add.....	101.56	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	882.05	
			For Each LF Shade Cloth, Add.....	135.41	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	997.80	
			For Each LF Shade Cloth, Add.....	162.49	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	368.06	
			For Each LF Shade Cloth, Add.....	38.23	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	641.03	
			For Shade Cloth, Add.....	95.58	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	718.14	
			For Shade Cloth, Add.....	114.70	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	820.99	
			For Shade Cloth, Add.....	143.38	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,003.36	
			For Shade Cloth, Add.....	191.17	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,159.09	
			For Shade Cloth, Add.....	229.40	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	447.11	
			For Each LF Shade Cloth, Add.....	50.45	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	771.21	
			For Each LF Shade Cloth, Add.....	126.12	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	865.63	
			For Each LF Shade Cloth, Add.....	151.34	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	988.23	
			For Each LF Shade Cloth, Add.....	189.18	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,208.04	
			For Each LF Shade Cloth, Add.....	252.23	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,389.38	
			For Each LF Shade Cloth, Add.....	302.68	
01 56 26 00-0082			Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083			4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	320.85	
		<i>For Each LF Shade Cloth, Add</i>	16.99	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	539.51	
		<i>For Each LF Shade Cloth, Add</i>	42.48	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	605.53	
		<i>For Each LF Shade Cloth, Add</i>	50.98	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	688.32	
		<i>For Each LF Shade Cloth, Add</i>	63.72	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	826.40	
		<i>For Each LF Shade Cloth, Add</i>	84.96	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	917.72	
		<i>For Each LF Shade Cloth, Add</i>	101.96	
01 56 26 00-0090		6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	342.52	
		<i>For Each LF Shade Cloth, Add</i>	27.08	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	580.55	
		<i>For Each LF Shade Cloth, Add</i>	67.71	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	652.83	
		<i>For Each LF Shade Cloth, Add</i>	81.25	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	754.05	
		<i>For Each LF Shade Cloth, Add</i>	101.56	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	912.59	
		<i>For Each LF Shade Cloth, Add</i>	135.41	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,031.11	
		<i>For Each LF Shade Cloth, Add</i>	162.49	
01 56 26 00-0097		8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	381.80	
		<i>For Each LF Shade Cloth, Add</i>	38.23	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	662.40	
		<i>For Shade Cloth, Add</i>	95.58	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	742.57	
		<i>For Shade Cloth, Add</i>	114.70	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	848.47	
		<i>For Shade Cloth, Add</i>	143.38	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,036.95	
		<i>For Shade Cloth, Add</i>	191.17	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,195.73	
		<i>For Shade Cloth, Add</i>	229.40	
01 56 26 00-0104		10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	464.29	
		<i>For Each LF Shade Cloth, Add</i>	50.45	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	797.93	
		<i>For Each LF Shade Cloth, Add</i>	126.12	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	896.17	
		<i>For Each LF Shade Cloth, Add</i>	151.34	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,022.58	
		<i>For Each LF Shade Cloth, Add</i>	189.18	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,250.02	
		<i>For Each LF Shade Cloth, Add</i>	252.23	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,435.18	
		<i>For Each LF Shade Cloth, Add</i>	302.68	
01 56 26 00-0111		Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112		4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	332.80	
		<i>For Each LF Shade Cloth, Add</i>	16.99	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	558.10	
		<i>For Each LF Shade Cloth, Add</i>	42.48	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	626.77	
		<i>For Each LF Shade Cloth, Add</i>	50.98	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	712.21	
		<i>For Each LF Shade Cloth, Add</i>	63.72	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	855.61	
		<i>For Each LF Shade Cloth, Add</i>	84.96	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	949.58	
		<i>For Each LF Shade Cloth, Add</i>	101.96	
01 56 26 00-0119		6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	355.01	
		<i>For Each LF Shade Cloth, Add</i>	27.08	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	599.98	
		<i>For Each LF Shade Cloth, Add</i>	67.71	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	675.03	
		<i>For Each LF Shade Cloth, Add</i>	81.25	



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0123	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	779.03	
			For Each LF Shade Cloth, Add	101.56	
01 56 26 00-0124	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	943.12	
			For Each LF Shade Cloth, Add	135.41	
01 56 26 00-0125	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,064.42	
			For Each LF Shade Cloth, Add	162.49	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)					
01 56 26 00-0127	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	395.54	
			For Each LF Shade Cloth, Add	38.23	
01 56 26 00-0128	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	683.78	
			For Shade Cloth, Add	95.58	
01 56 26 00-0129	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	766.99	
			For Shade Cloth, Add	114.70	
01 56 26 00-0130	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	875.95	
			For Shade Cloth, Add	143.38	
01 56 26 00-0131	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,070.53	
			For Shade Cloth, Add	191.17	
01 56 26 00-0132	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,232.37	
			For Shade Cloth, Add	229.40	
01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)					
01 56 26 00-0134	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	481.46	
			For Each LF Shade Cloth, Add	50.45	
01 56 26 00-0135	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	824.64	
			For Each LF Shade Cloth, Add	126.12	
01 56 26 00-0136	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	926.70	
			For Each LF Shade Cloth, Add	151.34	
01 56 26 00-0137	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,056.93	
			For Each LF Shade Cloth, Add	189.18	
01 56 26 00-0138	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,292.00	
			For Each LF Shade Cloth, Add	252.23	
01 56 26 00-0139	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,480.98	
			For Each LF Shade Cloth, Add	302.68	
01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)					
Note: Includes delivery, set-up and removal. Excludes sandbags.					
01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)					
01 56 26 00-0142	LF		Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	8.00	
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.43	
			For >500, Deduct	-0.64	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0143	LF		Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	8.89	
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.48	
			For >500, Deduct	-0.72	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0144	LF		Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	12.20	
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.77	
			For >500, Deduct	-1.16	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)					
01 56 26 00-0146	LF		Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.37	
			For >100 To 250, Deduct	-0.23	
			For >250 To 500, Deduct	-0.46	
			For >500, Deduct	-0.70	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0147	LF		Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	9.29	
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.52	
			For >500, Deduct	-0.78	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0148	LF		Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	12.88	
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.26	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)					
01 56 26 00-0150	LF		Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.74	
			For >100 To 250, Deduct	-0.25	
			For >250 To 500, Deduct	-0.50	
			For >500, Deduct	-0.75	
			For Each LF Shade Cloth, Add	1.60	

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months 9.75 For >100 To 250, Deduct .....-0.28 For >250 To 500, Deduct .....-0.57 For >500, Deduct .....-0.85 For Each LF Shade Cloth, Add 2.55		
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months 13.64 For >100 To 250, Deduct .....-0.46 For >250 To 500, Deduct .....-0.92 For >500, Deduct .....-1.37 For Each LF Shade Cloth, Add 3.60		
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months 9.20 For >100 To 250, Deduct .....-0.27 For >250 To 500, Deduct .....-0.55 For >500, Deduct .....-0.82 For Each LF Shade Cloth, Add 1.60		
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months 10.21 For >100 To 250, Deduct .....-0.31 For >250 To 500, Deduct .....-0.61 For >500, Deduct .....-0.92 For Each LF Shade Cloth, Add 2.55		
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months 14.43 For >100 To 250, Deduct .....-0.50 For >250 To 500, Deduct .....-1.00 For >500, Deduct .....-1.49 For Each LF Shade Cloth, Add 3.60		
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag 6.98 Note: Includes placement and removal.		
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001) Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts 4.02		
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts 6.02		
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts 8.70		
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts 10.70		
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing 0.93		
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing 1.12		
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing 1.25		
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts 121.21		
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts 139.87		
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts 172.50		
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts 186.49		
01 56 26 00-0174 Temporary Safety Fence (01 56 26) Note: Includes removal after use.		
01 56 26 00-0175 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence 3.60		
01 56 29 Temporary Protective Walkways (01 56)		
01 56 29 00-0001 Temporary Sidewalk Bridge Protection (01 56 29)		
01 56 29 00-0002 Installation of Sidewalk Bridge (01 56 29 00-0001) Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003 LF Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly 197.02 Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. For 3 Post System, Add 6.00 For Each Additional Foot Over 8' Wide, Add 3.00 For Each Additional Foot Over 8' High, Add 2.00		
01 56 29 00-0004 LF Installation of Netting for Sidewalk Bridge 5.02		
01 56 29 00-0005 Monthly Rental of Sidewalk Bridge (01 56 29 00-0001) Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0006	LF		Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	15.49 2.32	
01 56 29 00-0007	LF		Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	17.45 2.62	
01 56 29 00-0008	LF		Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	19.38 2.91	
01 56 29 00-0009	LF		Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	19.38 2.91	
01 56 29 00-0010	LF		Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	21.30 3.20	
01 56 29 00-0011	LF		Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	25.21 3.78	
01 56 29 00-0012	LF		Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	23.28 3.49	
01 56 29 00-0013	LF		Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	27.15 4.07	
01 56 29 00-0014	LF		Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add	29.05 4.36	
01 56 29 00-0015	LF		Monthly Rental of Netting for Sidewalk Bridge.....	2.90	
01 56 29 00-0016			Removal of Sidewalk Bridge (01 56 29 00-0001)		
01 56 29 00-0017	LF		Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. For 3 Post System, Add For Each Additional Foot Over 8' Wide, Add For Each Additional Foot Over 8' High, Add	41.01 2.50 1.25 0.75	
01 56 29 00-0018	LF		Removal Of Netting For Sidewalk Bridge	1.39	
01 56 29 00-0019			Temporary Safety Nets (01 56 29) Note: Includes removal after use.		
01 56 29 00-0020	SF		Small Mesh Debris Netting Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	2.92	
01 56 33			Temporary Security Barriers (01 56)		
01 56 33 00-0001			Board-up Opening With Plywood (01 56 33) Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPNG		Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	13.99	
01 56 33 00-0003	SF		5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	8.87	
01 56 33 00-0004	SF		3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	10.27	
01 56 33 00-0005			Temporary Pedestrian Barricade (01 56 33) Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	14.47	
01 56 33 00-0007	WK		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	35.15	
01 56 33 00-0008	MO		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	105.44	
01 56 39			Temporary Tree and Plant Protection (01 56)		
01 56 39 00-0001			Temporary Tree Guards (01 56 39) Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA		Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	204.96	
01 56 39 00-0003	EA		4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	243.50	
01 56 39 00-0004	EA		6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	264.74	

01 57 Temporary Controls (01 50)

01	General Requirements
01 50	Temporary Facilities and Controls
01 57	Temporary Controls



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 57 13 Temporary Erosion and Sediment Control (01 57)

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control (01 57)

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard (01 57 23)

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	112.52	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217).....	110.40	
		Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219).....	140.35	
		Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356).....	138.20	
		Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....	170.31	
		Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.		

01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001 Project Sign (01 58 13)

01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	162.73	25.65
		For High-Intensity Grade, Add	39.00	
		For Diamond Grade, Add	75.22	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	276.49	26.81
		For High-Intensity Grade, Add	78.00	
		For Diamond Grade, Add	150.44	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	390.26	27.97
		For High-Intensity Grade, Add	117.01	
		For Diamond Grade, Add	225.66	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	504.03	29.14
		For High-Intensity Grade, Add	156.01	
		For Diamond Grade, Add	300.87	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	15.80	0.93
		For High-Intensity Grade, Add	4.88	
		For Diamond Grade, Add	9.40	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	209.35	25.65
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	249.41	26.81
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	311.90	27.97
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	370.93	29.14
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	11.64	0.93

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	213.80	25.65
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	273.40	26.81
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	336.28	27.97
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	391.82	29.14
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.29	0.93

01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001)

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts.....	19.38	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	15.03	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	18.02	

01 58 13 00-0027 Owner Supplied Signs (01 58 13 00-0001)

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	93.26	

01 60 Product Requirements (01)

01 66 Product Storage and Handling Requirements (01 60)

01 66 19 Product Handling Requirements (01 66)



General Requirements		01	5
Product Requirements		01 60	
Product Storage and Handling Requirements		01 66	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.				
01 66 19 00-0001		Transfer Delivered Materials Between Floors (01 66 19) Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor.....	17.93	
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip..... Note: Quantity equals volume of materials multiplied by number of floors traveled. Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	11.66	
01 66 19 00-0004		Transfer Delivered Materials Distances Greater Than 125' (01 66 19) Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'.....	7.28	
01 66 19 00-0006		Transfer Demolition Debris Between Floors (01 66 19) Note: Only for use with demolition tasks.		
01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor..... Note: Quantity equals material volume times bulk factor times number of floors traveled.	17.93	
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	11.66	
01 66 19 00-0009		Transfer Demolition Debris Distances Greater Than 125' (01 66 19) Note: Only for use with demolition tasks.		
01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'.....	7.28	
01 66 19 00-0011		Moving Furniture And Furnishings (01 66 19) Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings..... Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.16	

01 70 Execution and Closeout Requirements (01)

01 71 Examination and Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001		Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13) Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery. See CSI section 01 22 23 00-0916 for cranes.		
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	495.77	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,538.49	
01 71 13 00-0004		Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13) Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	528.82	
		For >30 To 60 Miles Radius, Add	132.21	
		For >60 To 100 Miles Radius, Add	211.53	
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	859.34	
		For >30 To 60 Miles Radius, Add	214.84	
		For >60 To 100 Miles Radius, Add	343.74	
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,189.85	
		For >30 To 60 Miles Radius, Add	297.46	
		For >60 To 100 Miles Radius, Add	475.94	
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,916.97	
		For >30 To 60 Miles Radius, Add	479.24	
		For >60 To 100 Miles Radius, Add	766.79	
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	2,406.13	
		For >30 To 60 Miles Radius, Add	601.53	
		For >60 To 100 Miles Radius, Add	962.45	

01	General Requirements
01 70	Execution and Closeout Requirements
01 71	Examination and Preparation



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	2,994.45 748.61 1,197.78	
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	3,450.56 862.64 1,380.22	
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	3,860.39 965.10 1,544.16	
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	2,049.18 512.30 819.67	
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	3,239.03 809.76 1,295.61	
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	4,098.37 1,024.59 1,639.35	
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	5,089.91 1,272.48 2,035.96	
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	6,345.85 1,586.46 2,538.34	
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	7,403.50 1,850.88 2,961.40	
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	10,576.42 2,644.11 4,230.57	
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add	14,502.92 3,625.73 5,801.17	
01 71 23		Field Engineering (01 71)		
01 71 23 16		Construction Surveying (01 71 23)		
01 71 23 16-0001		Conventional Topographic Survey (01 71 23 16) Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,335.04	
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,739.92	
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings).....	5,371.69	
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	8,069.59	
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, etc. (>65% Buildings).....	10,099.88	
01 71 23 16-0007		Property Lines Survey (01 71 23 16) Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	2.97	
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	3.44	
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land.....	4.03	
01 71 23 16-0011		Survey Monument (01 71 23 16)		
01 71 23 16-0012	EA	3' Precast Survey Monument..... For Owner Furnished Monument, Deduct	209.40 -83.86	
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover.....	313.41	
01 71 23 16-0014	EA	Riser Ring For Survey Monument.....	161.53	
01 71 23 16-0015	EA	Reset/Relocate/Adjust Survey Monument Cover To Grade.....	251.58	
01 71 23 16-0016		Facade Surveying (01 71 23 16)		
01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	8.18	
01 71 23 16-0018		Utility Survey (01 71 23 16) Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities.....	6,883.30	



General Requirements		01	Σ
Execution and Closeout Requirements		01 70	
Examination and Preparation		01 71	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0020		GPR Bridge Deck And Pavement Inspection (01 71 23 16)		
01 71 23 16-0021		GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0020)		
Note: One mobilization per project.				
01 71 23 16-0022	EA	GPR Bridge Deck And Pavement Inspection Mobilization Fee.....	4,187.45	
01 71 23 16-0023		Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)		
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.				
01 71 23 16-0024	EA	Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	3,013.35	
01 71 23 16-0025	SF	Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	1.27	
01 71 23 16-0026	SF	>5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.00	
01 71 23 16-0027	SF	>10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.80	
01 71 23 16-0028	SF	>25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.60	
01 71 23 16-0029	SF	>50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.48	
01 71 23 16-0030	SF	>100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.38	
01 71 23 16-0031	SF	>250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.28	
01 71 23 16-0032		Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)		
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.				
01 71 23 16-0033	EA	Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	1,004.45	
01 71 23 16-0034	SF	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	0.06	
01 71 23 16-0035		Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)		
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.				
01 71 23 16-0036	EA	Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	1,004.45	
01 71 23 16-0037	SF	Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	0.46	
01 71 23 16-0038	SF	>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.36	
01 71 23 16-0039	SF	>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.28	
01 71 23 16-0040	SF	>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.22	
01 71 23 16-0041	SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.18	
01 71 23 16-0042	SF	>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.14	
01 71 23 16-0043	SF	>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.10	
01 71 23 16-0044		Pavement Structure And Thickness Measurement, GPR Pavement Inspection (01 71 23 16-0020)		
Note: Each project will use one task for the length of the pavement surveyed.				
01 71 23 16-0045	LM	Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	7,469.09	
01 71 23 16-0046	LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	3,256.43	
01 71 23 16-0047	LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	2,424.74	
01 71 23 16-0048	LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,323.87	
01 71 23 16-0049	LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,040.61	
01 71 23 16-0050		Pavement Thickness Contour (Mapping), GPR Pavement Inspection (01 71 23 16-0020)		
Note: Each project will use one task for the length of the pavement surveyed.				
01 71 23 16-0051	LM	Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	9,504.11	
01 71 23 16-0052	LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	4,469.80	
01 71 23 16-0053	LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	3,395.04	
01 71 23 16-0054	LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,902.43	
01 71 23 16-0055	LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,504.67	
01 71 23 16-0056		Pavement Void Detection (Mapping), GPR Pavement Inspection (01 71 23 16-0020)		
Note: Each project will use one task for the length of the pavement surveyed.				
01 71 23 16-0057	LM	Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	11,286.00	
01 71 23 16-0058	LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	5,530.50	
01 71 23 16-0059	LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	4,242.80	
01 71 23 16-0060	LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	2,408.67	
01 71 23 16-0061	LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	1,908.46	
01 71 23 16-0062		Drone Survey (Extreme Aerial Productions) (01 71 23 16)		
Note: Thermographic services to electrical line grid inspections.				
01 71 23 16-0063		Mobilization For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0064	EA	Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	270.04	
01 71 23 16-0065	EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	675.11	
01 71 23 16-0066	EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	180.03	

01	General Requirements
01 70	Execution and Closeout Requirements
01 71	Examination and Preparation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0067 EA Mobilization For Drone Road Survey For Topography/Progression/Inspection	360.06	
01 71 23 16-0068 EA Mobilization For Drone Survey Stockpile	180.03	
01 71 23 16-0069 EA Mobilization For Drone Inspection	180.03	
01 71 23 16-0070 EA Mobilization For Qualitative Drone Thermal Inspection.....	360.06	
01 71 23 16-0071 EA Mobilization For Quantitative Drone Thermal Inspection	450.08	
01 71 23 16-0072 EA Mobilization For Drone Agricultural Multispectral Survey.....	720.12	
01 71 23 16-0073 EA Mobilization For Drone Building Inspection/Scan/Thermal.....	540.09	
01 71 23 16-0074 EA Mobilization For Drone 3D Modelling	450.08	
01 71 23 16-0075 EA Mobilization For Drone Spraying Crops Or Sanitation	810.14	
01 71 23 16-0076 EA Mobilization For Drone Video Progression/Marketing	180.03	
01 71 23 16-0077 EA Mobilization For Drone Pictures Progression/Marketing	180.03	
01 71 23 16-0078 EA Mobilization For Drone Training, Flying, Test Prep, Equipment Checks	180.03	
01 71 23 16-0079 EA Mobilization For Drone Accident Reconstruction	180.03	
01 71 23 16-0080 EA Mobilization For Drone Landfill Survey	270.04	
01 71 23 16-0081 EA Mobilization For Drone Event Security Using Tethered Drones.....	360.06	
01 71 23 16-0082 EA Mobilization For Drone Emergency Response.....	900.15	
01 71 23 16-0083 EA Mobilization For Drone Cell Tower Inspection	270.04	
01 71 23 16-0084 Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0085 HR Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	657.11	
Note: 3 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0086 HR > 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	837.14	
For Visual Observation, Add	270.04	
For Additional Manpower, Add	216.04	
01 71 23 16-0087 HR Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	540.09	
Note: 3 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0088 HR Drone Road Survey For Topography/Progression/Inspection.....	630.10	
Note: 3 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0089 HR Drone Survey Stockpile	450.08	
Note: 3 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0090 HR Drone Inspection.....	630.10	
Note: 3 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0091 HR Qualitative Drone Thermal Inspection.....	720.12	
Note: 5 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0092 HR Quantitative Drone Thermal Inspection.....	1,080.18	
Note: 5 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0093 HR Drone Agricultural Multispectral Survey	810.14	
Note: 6 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0094 HR Drone Building Inspection/Scan/Thermal.....	720.12	
Note: 3 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0095 HR Drone 3D Modelling	540.09	
Note: 3 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0096 HR Drone Spraying Crops Or Sanitation	720.12	
Note: 3 hour minimum		
For Visual Observation, Add	225.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0097 HR Drone Video Progression/Marketing	360.06	
Note: 2 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0098 HR Drone Pictures Progression/Marketing	270.04	
Note: 2 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0099 HR Drone Training, Flying, Test Prep, Equipment Checks	540.09	
Note: 3 hour minimum		
01 71 23 16-0100 HR Drone Accident Reconstruction	810.14	
Note: 2 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0101 HR Drone Landfill Survey.....	657.11	
Note: 3 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	



General Requirements		01	Σ
Execution and Closeout Requirements		01 70	
Examination and Preparation		01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0102 HR Drone Event Security Using Tethered Drones.....450.08 Note: 3 hour minimum For Visual Observation, Add 180.03 For Additional Manpower, Add 180.03		
01 71 23 16-0103 HR Drone Emergency Response.....450.08 Note: 3 hour minimum For Visual Observation, Add 270.04 For Additional Manpower, Add 180.03		
01 71 23 16-0104 HR Drone Cell Tower Inspection 450.08 Note: 3 hour minimum For Visual Observation, Add 225.04 For Additional Manpower, Add 180.03		
01 71 23 16-0105 Utilization And Deliverables For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0106 Day Utilization Of GPS Ground Control For Drone Surveying 450.08		
01 71 23 16-0107 Day Utilization Of GPS Base Station Per Day For Drone Surveying.....450.08		
01 71 23 16-0108 HR Processing And Data Deliverables And Reporting For Drone Surveying.....180.03 Note: 2 hour minimum		
01 71 23 16-0109 HR Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying.....360.06 Note: 3 hour minimum		
01 71 23 16-0110 Travel, Waivers, And Editing For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0111 MI Travel Over 100 Miles For Drone Surveying.....1.04 Note: For additional miles over 100		
01 71 23 16-0112 EA Overnight Stay Per Person For Drone Surveying 225.04		
01 71 23 16-0113 EA Waiver Utilization B, C, D, And E For Drone Surveying.....90.02 Note: Restricted airspace		
01 71 23 16-0114 EA Night Waiver For Drone Surveying 117.02		
01 71 23 16-0115 EA Flying Over People Waiver For Drone Surveying 180.03		
01 71 23 16-0116 EA Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying.....900.15		
01 71 23 16-0117 HR Editing Video For Drone Surveying.....180.03 Note: 2 hour minimum		
01 71 23 16-0118 HR Editing Pictures For Drone Surveying.....90.02 Note: 2 hour minimum		
01 71 23 16-0119 HR Custom Post Processing For Drone Surveying 270.04 Note: 3 hour minimum		
01 71 36 Non-Destructive Concrete Examination (01 71)		
01 71 36 00-0001 Electromagnetic Survey (01 71 36) Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)		
01 71 36 00-0003 EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....1,161.90		
01 71 36 00-0004 EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....1,742.85		
01 71 36 00-0005 EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....3,485.70		
01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)		
01 71 36 00-0007 EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....387.30 Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.		
01 71 36 00-0008 EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt 774.60 Note: Includes GPS coordinates of located items and reference items.		
01 71 36 00-0009 EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt 1,742.85 Note: Includes additions to the owner provided CAD drawing.		
01 74 Cleaning and Waste Management (01 70)		
01 74 13 Progress Cleaning (01 74) Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001 General (01 74 13)		
01 74 13 00-0002 CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....23.34		
01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster 27.32 Note: Per CY of debris removed.		
01 74 16 Site Maintenance (01 74)		
01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance (01 74 16) Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.		

01	General Requirements
01 70	Execution and Closeout Requirements
01 74	Cleaning and Waste Management



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 16 00-0002		Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)		
01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	24.18	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	29.01	
01 74 16 00-0005		Runway Sweeping (01 74 16 00-0001)		
01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	36.27	
01 74 19		Construction Waste Management and Disposal (01 74)		
		Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001		Debris Chutes (01 74 19)		
		Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002		Steel Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	44.64	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	67.53	
01 74 19 00-0005		Plastic Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	17.66	
		For Steel Liner, Add	3.45	
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	20.25	
		For Steel Liner, Add	3.96	
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	22.84	
		For Steel Liner, Add	4.47	
01 74 19 00-0009		Wood Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute	34.65	
		Note: Includes fabrication and installation.		
01 74 19 00-0011		Construction Dumpsters Rental (01 74 19)		
		Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA	10 CY Dumpster (1 Ton) "Construction Debris"	576.09	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris"	638.85	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0014	EA	20 CY Dumpster (2 Ton) "Construction Debris"	673.85	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0015	EA	30 CY Dumpster (3 Ton) "Construction Debris"	776.58	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0016	EA	40 CY Dumpster (4 Ton) "Construction Debris"	966.35	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
		For Each Ton Over Indicated Amount, Add	98.50	
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only"	847.63	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.		
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable	924.94	
		Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable	993.96	
		Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0020		Concrete Washout Service (01 74 19)		
01 74 19 00-0021	MO	Rampless Concrete Washout Bin	579.91	
		Note: Includes delivery.		
01 74 19 00-0022	MO	Ramped Concrete Washout Bin	695.89	
		Note: Includes delivery.		
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin	640.17	
		Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin	1,387.04	
		Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0025		Debris Processing Fee (01 74 19)		



General Requirements		01	Σ
Execution and Closeout Requirements		01 70	
Cleaning and Waste Management		01 74	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0026 Material Recycling Fees (01 74 19 00-0025)			
Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.			
01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center	20.63
01 74 19 00-0028	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	27.64
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center	41.46
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center	35.93
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center	40.07
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center	19.35
01 74 19 00-0033 Landfill Dump Fees (01 74 19 00-0025)			
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0043 for hauling.			
01 74 19 00-0034	CY	Traditional Building Construction Materials Landfill Dump Fee	18.39
01 74 19 00-0035	TON	Traditional Building Construction Materials, Landfill Dump Fee	80.15
01 74 19 00-0036	CY	Trees, Stumps And Brush, Landfill Dump Fee	22.14
01 74 19 00-0037	CY	Hazardous Materials And Rubbish Landfill Dump Fee	52.79
Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.			
01 74 19 00-0038	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	37.51
01 74 19 00-0039	CY	Clean Dirt (No Grass, Weeds, Roots, Plants, Trash)	61.47
01 74 19 00-0040	CY	Clay Loads, Expansive Materials	76.83
01 74 19 00-0041	TON	General Refuse	89.91
01 74 19 00-0042	EA	Tires	17.48
01 74 19 00-0043 Hauling (01 74 19)			
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.			
01 74 19 00-0044	CYM	Hauling On Paved Roads, First 15 Miles	1.02
01 74 19 00-0045	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.69
01 74 19 00-0046	CYM	Hauling On Unimproved Roads, First 15 Miles	1.58
01 74 19 00-0047	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.23
01 74 23 Final Cleaning (01 74)			
01 74 23 00-0001 Cleaning Of Glass (01 74 23)			
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	31.83

END OF SECTION 01

01	01	General Requirements
	01 70	Execution and Closeout Requirements
	01 74	Cleaning and Waste Management



MINOR	TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION	UNIT COST		UNIT COST

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Existing Conditions	02	02
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment⁽⁰²⁾

02 25 Existing Material Assessment^(02 20)

02 25 16 Existing Concrete, Masonry or Asphalt Assessment^(02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling^(02 25 16)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation⁽⁰²⁾

02 32 Geotechnical Investigations^(02 30)

02 32 13 Subsurface Drilling and Sampling^(02 32)

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew^(02 32 13)

02 32 13 00-0002 EA Mobilization Of Drilling Crew 1,238.81

02 32 13 00-0003 Auger Borings^(02 32 13)

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 37.31

02 32 13 00-0005 Cased Borings In Earth, With Samples^(02 32 13)

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 97.05

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 165.97

02 32 13 00-0008 Drilling In Rock, BW Core (2.125")^(02 32 13)

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing 102.46

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes 9.74

02 32 13 00-0011 Drilling In Rock, NW Core (2.98")^(02 32 13)

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 132.53

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes 11.21

02 32 13 00-0014 Test Pits For Boring Activities^(02 32 13)

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits^(02 32 13 00-0014)

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation 73.38

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 85.61

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 114.14

02 32 13 00-0019 Hand-Dug Test Pits^(02 32 13 00-0014)

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation 207.21

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 372.98

02 32 13 00-0022 Shelby Tube Sampling^(02 32 13)

02 32 13 00-0023 EA Shelby Tube Sampling 55.95

02 32 13 00-0024 EA Penetration Test 45.59

02 32 13 00-0025 Grouting^(02 32 13)

02 32 13 00-0026 VLF Boreholes 10.61

02 32 19 Exploratory Excavations^(02 32)

02 32 19 00-0001 Hydro Excavation^(02 32 19)

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1316 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0033 for off-site disposal fee of material, 01 74 19 00-0043 for hauling excavated soil from site.

02 32 19 00-0002 EA Minimum Charge For Hydro Excavation 1,640.30

Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 32 19 00-0003 EA 600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day 937.32

Note: Includes initial water.

02 Existing Conditions**02 30 Subsurface Investigation****02 32 Geotechnical Investigations**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0004 EA 1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day.....	1,171.65	
Note: Includes initial water		
02 32 19 00-0005 EA Move And Set-up At Different Access/Location, Hydro Excavation	117.16	
02 32 19 00-0006 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck)	97.72	
Note: Normal soil conditions consist of silt, sand and gravel.		
02 32 19 00-0007 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....	156.30	
Note: Adverse soil conditions consist of clay, glacial till and rocks.		

02 40 Demolition and Structure Moving ⁽⁰²⁾**02 41 Demolition** ^(02 40)**02 41 13 Selective Site Demolition** ^(02 41)**02 41 13 13 Paving Removal** ^(02 41 13)**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving** ^(02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0002 SY Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.68	
For >500 To 1,000, Deduct	-0.77	
For >1,000 To 2,500, Deduct	-1.38	
For >2,500 To 5,000, Deduct	-2.00	
For >5,000 To 10,000, Deduct	-2.61	
For >10,000, Deduct	-3.23	
02 41 13 13-0003 SY >3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.52	
For >500 To 1,000, Deduct	-1.15	
For >1,000 To 2,500, Deduct	-2.07	
For >2,500 To 5,000, Deduct	-3.00	
For >5,000 To 10,000, Deduct	-3.92	
For >10,000, Deduct	-4.84	
02 41 13 13-0004 SY Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.75	
For >500 To 1,000, Deduct	-1.48	
For >1,000 To 2,500, Deduct	-2.66	
For >2,500 To 5,000, Deduct	-3.84	
For >5,000 To 10,000, Deduct	-5.02	
For >10,000, Deduct	-6.20	
02 41 13 13-0005 SY >3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	20.83	
For >500 To 1,000, Deduct	-2.08	
For >1,000 To 2,500, Deduct	-3.75	
For >2,500 To 5,000, Deduct	-5.42	
For >5,000 To 10,000, Deduct	-7.08	
For >10,000, Deduct	-8.75	
02 41 13 13-0006 SY >6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	29.50	
For >500 To 1,000, Deduct	-2.95	
For >1,000 To 2,500, Deduct	-5.31	
For >2,500 To 5,000, Deduct	-7.67	
For >5,000 To 10,000, Deduct	-10.03	
For >10,000, Deduct	-12.39	
02 41 13 13-0007 SY >9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	41.66	
For >500 To 1,000, Deduct	-4.17	
For >1,000 To 2,500, Deduct	-7.50	
For >2,500 To 5,000, Deduct	-10.83	
For >5,000 To 10,000, Deduct	-14.16	
For >10,000, Deduct	-17.50	
02 41 13 13-0008 SY >14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	54.46	
For >500 To 1,000, Deduct	-5.45	
For >1,000 To 2,500, Deduct	-9.80	
For >2,500 To 5,000, Deduct	-14.16	
For >5,000 To 10,000, Deduct	-18.52	
For >10,000, Deduct	-22.87	
02 41 13 13-0009 SY >19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	70.81	
For >500 To 1,000, Deduct	-7.08	
For >1,000 To 2,500, Deduct	-12.75	
For >2,500 To 5,000, Deduct	-18.41	
For >5,000 To 10,000, Deduct	-24.08	
For >10,000, Deduct	-29.74	

02 41 13 13-0010 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving ^(02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0036 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0011 SF Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.88	
02 41 13 13-0012 SF >3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.40	
02 41 13 13-0013 SF >6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.17	
02 41 13 13-0014 SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.37	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0015	SF		>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.01	
02 41 13 13-0016	SF		>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	3.97	
02 41 13 13-0017			By Machine, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13) Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 13 13-0018	SY		Up To 3" By Machine, Break-up And Remove Bituminous Paving	16.46	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.94	
			For Elevated Slab, Add	8.23	
			For >500 To 1,000, Deduct	-1.65	
			For >1,000 To 2,500, Deduct	-2.96	
			For >2,500 To 5,000, Deduct	-4.28	
			For >5,000 To 10,000, Deduct	-5.60	
			For >10,000, Deduct	-6.91	
02 41 13 13-0019	SY		>3" To 6" By Machine, Break-up And Remove Bituminous Paving	22.48	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.74	
			For Elevated Slab, Add	11.24	
			For >500 To 1,000, Deduct	-2.25	
			For >1,000 To 2,500, Deduct	-4.05	
			For >2,500 To 5,000, Deduct	-5.84	
			For >5,000 To 10,000, Deduct	-7.64	
			For >10,000, Deduct	-9.44	
02 41 13 13-0020	SY		>6" To 9" By Machine, Break-up And Remove Bituminous Paving	31.19	
			For Elevated Slab, Add	15.60	
			For >500 To 1,000, Deduct	-3.12	
			For >1,000 To 2,500, Deduct	-5.61	
			For >2,500 To 5,000, Deduct	-8.11	
			For >5,000 To 10,000, Deduct	-10.60	
			For >10,000, Deduct	-13.10	
02 41 13 13-0021	SY		>9" To 12" By Machine, Break-up And Remove Bituminous Paving	40.70	
			For Elevated Slab, Add	20.35	
			For >500 To 1,000, Deduct	-4.07	
			For >1,000 To 2,500, Deduct	-7.33	
			For >2,500 To 5,000, Deduct	-10.58	
			For >5,000 To 10,000, Deduct	-13.84	
			For >10,000, Deduct	-17.09	
02 41 13 13-0022	SY		>12" To 15" By Machine, Break-up And Remove Bituminous Paving	56.64	
			For Elevated Slab, Add	28.32	
			For >500 To 1,000, Deduct	-5.66	
			For >1,000 To 2,500, Deduct	-10.20	
			For >2,500 To 5,000, Deduct	-14.73	
			For >5,000 To 10,000, Deduct	-19.26	
			For >10,000, Deduct	-23.79	
02 41 13 13-0023	SY		Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	18.94	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.68	
			For Elevated Slab, Add	9.47	
			For >500 To 1,000, Deduct	-1.89	
			For >1,000 To 2,500, Deduct	-3.41	
			For >2,500 To 5,000, Deduct	-4.92	
			For >5,000 To 10,000, Deduct	-6.44	
			For >10,000, Deduct	-7.95	
02 41 13 13-0024	SY		>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	24.78	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.43	
			For Elevated Slab, Add	12.39	
			For >500 To 1,000, Deduct	-2.48	
			For >1,000 To 2,500, Deduct	-4.46	
			For >2,500 To 5,000, Deduct	-6.44	
			For >5,000 To 10,000, Deduct	-8.43	
			For >10,000, Deduct	-10.41	
02 41 13 13-0025	SY		>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	44.25	
			For Elevated Slab, Add	22.13	
			For >500 To 1,000, Deduct	-4.43	
			For >1,000 To 2,500, Deduct	-7.97	
			For >2,500 To 5,000, Deduct	-11.51	
			For >5,000 To 10,000, Deduct	-15.05	
			For >10,000, Deduct	-18.59	
02 41 13 13-0026	SY		>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	57.81	
			For Elevated Slab, Add	28.91	
			For >500 To 1,000, Deduct	-5.78	
			For >1,000 To 2,500, Deduct	-10.41	
			For >2,500 To 5,000, Deduct	-15.03	
			For >5,000 To 10,000, Deduct	-19.66	
			For >10,000, Deduct	-24.28	
02 41 13 13-0027	SY		Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	25.13	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.54	
			For Elevated Slab, Add	12.57	
			For >500 To 1,000, Deduct	-2.51	
			For >1,000 To 2,500, Deduct	-4.52	
			For >2,500 To 5,000, Deduct	-6.53	
			For >5,000 To 10,000, Deduct	-8.54	
			For >10,000, Deduct	-10.55	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0028 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	32.58	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	9.77	
For Elevated Slab, Add	16.29	
For >500 To 1,000, Deduct	-3.26	
For >1,000 To 2,500, Deduct	-5.86	
For >2,500 To 5,000, Deduct	-8.47	
For >5,000 To 10,000, Deduct	-11.08	
For >10,000, Deduct	-13.68	
02 41 13 13-0029 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	53.99	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	16.20	
For Elevated Slab, Add	27.00	
For >500 To 1,000, Deduct	-5.40	
For >1,000 To 2,500, Deduct	-9.72	
For >2,500 To 5,000, Deduct	-14.04	
For >5,000 To 10,000, Deduct	-18.36	
For >10,000, Deduct	-22.68	
02 41 13 13-0030 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	27.26	
For Elevated Slab, Add	13.63	
For >500 To 1,000, Deduct	-2.73	
For >1,000 To 2,500, Deduct	-4.91	
For >2,500 To 5,000, Deduct	-7.09	
For >5,000 To 10,000, Deduct	-9.27	
For >10,000, Deduct	-11.45	
02 41 13 13-0031 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	35.05	
For Elevated Slab, Add	17.53	
For >500 To 1,000, Deduct	-3.51	
For >1,000 To 2,500, Deduct	-6.31	
For >2,500 To 5,000, Deduct	-9.11	
For >5,000 To 10,000, Deduct	-11.92	
For >10,000, Deduct	-14.72	
02 41 13 13-0032 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	62.66	
For Elevated Slab, Add	31.33	
For >500 To 1,000, Deduct	-6.27	
For >1,000 To 2,500, Deduct	-11.28	
For >2,500 To 5,000, Deduct	-16.29	
For >5,000 To 10,000, Deduct	-21.30	
For >10,000, Deduct	-26.32	
02 41 13 13-0033 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	81.78	
For Elevated Slab, Add	40.89	
For >500 To 1,000, Deduct	-8.18	
For >1,000 To 2,500, Deduct	-14.72	
For >2,500 To 5,000, Deduct	-21.26	
For >5,000 To 10,000, Deduct	-27.81	
For >10,000, Deduct	-34.35	
02 41 13 13-0034 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	106.91	
For Elevated Slab, Add	53.46	
For >500 To 1,000, Deduct	-10.69	
For >1,000 To 2,500, Deduct	-19.24	
For >2,500 To 5,000, Deduct	-27.80	
For >5,000 To 10,000, Deduct	-36.35	
For >10,000, Deduct	-44.90	
02 41 13 13-0035 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	129.75	
For Elevated Slab, Add	64.88	
For >500 To 1,000, Deduct	-12.98	
For >1,000 To 2,500, Deduct	-23.36	
For >2,500 To 5,000, Deduct	-33.74	
For >5,000 To 10,000, Deduct	-44.12	
For >10,000, Deduct	-54.50	
02 41 13 13-0036 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 13 13-0037 SF >6" To 9" By Hand, Break-up And Remove Bituminous Paving.....	7.22	
02 41 13 13-0038 SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	5.28	
02 41 13 13-0039 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	7.28	
02 41 13 13-0040 SF >6" To 9" By Hand, Break-up And Remove Concrete Paving.....	9.33	
02 41 13 13-0041 SF Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	7.39	
02 41 13 13-0042 SF >3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	10.20	
02 41 13 13-0043 SF >6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	13.07	
02 41 13 13-0044 Grind Concrete (02 41 13 13)		



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0045 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard)..... Note: For each location up to 5' wide, feather up to 12" each direction. For >1/2" To 1" Depth Of Grinding, Add For >1" To 1-1/2" Depth Of Grinding, Add For Up To 5, Add For >5 To 10, Add For >25 To 50, Deduct For >50 To 250, Deduct For >250, Deduct For Sidewalks >5', Add For Up To 12" Additional Feathering Per Side, Add	269.52 40.43 67.38 53.90 26.95 -26.95 -40.43 -53.90 26.95 26.95	
02 41 13 13-0046 Repair Uneven Sidewalks (02 41 13 13) Note: (1 inch foot = 1 inch high X 1 linear foot long). Example for sample trip hazard: 1/2" high on one side, Zero on the other side, 4 linear foot long. Calculation for height would be: (1/2 + 0)/2 = 1/4 inch average. Calculation for length would be: 1/4 inch average X 4 feet = 1 inch foot.		
02 41 13 13-0047 IF Up To 2,000 Inch Feet Repair Uneven Sidewalks	92.63	
02 41 13 13-0048 IF 2,000 To 3,000 Inch Feet Repair Uneven Sidewalks	87.87	
02 41 13 13-0049 IF 3,000 And Up Inch Feet Repair Uneven Sidewalks	83.13	
02 41 13 15 Hydro Demolition (02 41 13)		
02 41 13 15-0001 Hydro Demolition Of Concrete Pavement (02 41 13 15) Note: Includes removal but excludes disposal of concrete.		
02 41 13 15-0002 SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	8.23	
02 41 13 15-0003 SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	10.29	
02 41 13 15-0004 SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	13.76	
02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	27.40	
02 41 19 Selective Demolition (02 41)		
02 41 19 13 Selective Building Demolition (02 41 19)		
02 41 19 13-0001 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0001)		
02 41 19 13-0003 VLF 8" x 8" Masonry Column Removal	15.66	
02 41 19 13-0004 VLF 10" x 10" Masonry Column Removal	24.47	
02 41 19 13-0005 VLF 12" x 12" Masonry Column Removal	31.35	
02 41 19 13-0006 VLF 14" x 14" Masonry Column Removal	39.24	
02 41 19 13-0007 VLF 16" x 16" Masonry Column Removal	48.21	
02 41 19 13-0008 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	27.07	
02 41 19 13-0009 Masonry Chimney Removal (02 41 19 13-0001)		
02 41 19 13-0010 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	31.76	
02 41 19 13-0011 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	23.85	
02 41 19 13-0012 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	18.25	
02 41 19 13-0013 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.63	
02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0001) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0015 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	21.96	
02 41 19 13-0016 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	32.73	
02 41 19 13-0017 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	62.32	
02 41 19 13-0018 Facade Removal (02 41 19 13-0001) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0019 SF Stone Or Brick Veneer Facade Removal	5.96	
For Cleaning and Storage For Reuse, Add For Reinforcing, Add	8.94 0.89	
02 41 19 13-0020 Exterior Masonry Removal (02 41 19 13-0001) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0021 SF Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall	5.24	
02 41 19 13-0022 SF Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	5.91	
02 41 19 13-0023 SF Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	7.15	
02 41 19 13-0024 SF Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	7.82	
02 41 19 13-0025 SF Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	8.58	
02 41 19 13-0026 SF Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	10.74	
02 41 19 13-0027 SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.20	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0028 SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall	7.09	
02 41 19 13-0029 SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall	8.58	
02 41 19 13-0030 SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall	9.39	
02 41 19 13-0031 SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall	10.30	
02 41 19 13-0032 SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall	12.89	
02 41 19 13-0033 SF Demolish 4" Thick Brick Exterior Wall	5.24	
For Cleaning and Storage For Reuse, Add	7.86	
02 41 19 13-0034 SF Demolish 6" Thick Brick Exterior Wall	5.91	
For Cleaning and Storage For Reuse, Add	8.87	
02 41 19 13-0035 SF Demolish 8" Thick Brick Exterior Wall	7.15	
For Cleaning and Storage For Reuse, Add	10.73	
02 41 19 13-0036 SF Demolish 10" Thick Brick Exterior Wall	7.82	
For Cleaning and Storage For Reuse, Add	11.73	
02 41 19 13-0037 SF Demolish 12" Thick Brick Exterior Wall	8.58	
For Cleaning and Storage For Reuse, Add	12.87	
02 41 19 13-0038 SF Demolish 16" Thick Brick Exterior Wall	10.74	
For Cleaning and Storage For Reuse, Add	16.11	
02 41 19 13-0039 CF Exterior Brick, Concrete Block Or Composite Removal	15.26	
For Cleaning and Storage For Reuse, Add	22.89	
For Reinforcing, Add	2.29	
02 41 19 13-0040 Lintel Removal (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0041 LF Demolish Steel Lintel	14.51	
02 41 19 13-0042 LF Demolish Concrete Or Stone Lintel	19.34	
02 41 19 13-0043 LF Demolish Steel Shelf Angle	15.31	
02 41 19 13-0044 Reinstall Lintel (02 41 19 13-0001)		
Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0045 LF Clean, Prime And Paint Steel Shelf Angle Or Lintel	9.96	
02 41 19 13-0046 LF Reinstall Existing Concrete Or Stone Lintel	19.34	
02 41 19 13-0047 LF Reinstall Existing Steel Shelf Angle	52.23	
Note: Includes fasteners.		
02 41 19 13-0048 LF Reinstall Existing Steel Lintel	21.49	
02 41 19 13-0049 LF Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	86.27	
02 41 19 13-0050 LF Removal And Replacement Of Steel Lintel Over Window Openings	149.11	
02 41 19 13-0051 Exterior Concrete Wall Removal (02 41 19 13)		
02 41 19 13-0052 SF Demolish 4" Thick Reinforced Concrete Exterior Wall	7.10	
02 41 19 13-0053 SF Demolish 6" Thick Reinforced Concrete Exterior Wall	12.88	
02 41 19 13-0054 SF Demolish 8" Thick Reinforced Concrete Exterior Wall	16.18	
02 41 19 13-0055 SF Demolish 10" Thick Reinforced Concrete Exterior Wall	19.09	
02 41 19 13-0056 SF Demolish 12" Thick Reinforced Concrete Exterior Wall	22.56	
02 41 19 13-0057 Saw Cutting (02 41 19 13)		
Note: Includes blade wear, water, taping off area, layout, cleanup and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0058 EA Saw Cut Minimum Set-up Charge, One Per Project	1,148.83	
Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0059 LF Bituminous Paving Up To 4" Depth, Saw Cut	2.54	
For Each Additional Pass (Depth To 3"), Add	0.97	
For >250, Deduct	-0.24	
02 41 19 13-0060 LF Brick Masonry Up To 4" Depth, Saw Cut	9.35	
For Each Additional Pass (Depth To 3"), Add	3.68	
For >250, Deduct	-0.92	
02 41 19 13-0061 LF Concrete Block Up To 4" Depth, Saw Cut	8.45	
For Each Additional Pass (Depth To 3"), Add	3.32	
For >250, Deduct	-0.83	
02 41 19 13-0062 LF Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	2.95	
For Each Additional Pass (Depth To 3"), Add	1.12	
For >250, Deduct	-0.27	
02 41 19 13-0063 LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.86	
For Each Additional Pass (Depth To 3"), Add	1.47	
For >250, Deduct	-0.36	
02 41 19 13-0064 LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.31	
For Each Additional Pass (Depth To 3"), Add	2.44	
For >250, Deduct	-0.60	
02 41 19 13-0065 LF Plain Concrete Walls Up To 4" Depth, Saw Cut	11.93	
For Each Additional Pass (Depth To 3"), Add	4.71	
For >250, Deduct	-1.17	
02 41 19 13-0066 LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	16.02	
For Each Additional Pass (Depth To 3"), Add	6.33	
For >250, Deduct	-1.58	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0067 LF Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	3.21 1.16 -0.28	
02 41 19 13-0068 LF Igneous Stone Pavements Up To 4" Depth, Saw Cut..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	8.49 3.33 -0.83	
02 41 19 13-0069 LF Sedimentary Stone Pavements Up To 4" Depth, Saw Cut..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	8.49 3.33 -0.83	
02 41 19 13-0070 LF Metamorphic Stone Pavements Up To 4" Depth, Saw Cut..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	8.49 3.33 -0.83	
02 41 19 13-0071 LF Terrazzo Stone Pavements Up To 4" Depth, Saw Cut..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	8.49 3.33 -0.83	
02 41 19 13-0072 Torch Cutting (02 41 19 13)		
Note: Includes grinding edge		
02 41 19 13-0073 LF Up To 1/2", Torch Cut Steel Plate.....	3.19	
02 41 19 13-0074 LF >1/2" To 1" Thick, Torch Cut Steel Plate	6.39	
02 41 19 13-0075 LF >1" To 1-1/2" Thick, Torch Cut Steel Plate	9.58	
02 41 19 13-0076 LF >1-1/2" To 2" Thick, Torch Cut Steel Plate	12.77	
02 41 19 13-0077 LF >2" To 2-1/2" Thick, Torch Cut Steel Plate	15.98	
02 41 19 13-0078 LF >2-1/2" To 3" Thick, Torch Cut Steel Plate	19.17	
02 41 19 13-0079 EA Minimum Charge For Torch Cutting.....	1,047.44	
Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0080 Drilling In Existing Materials (02 41 19 13)		
Note: Includes drill bit wear, water, layout, set-up and cleanup.		
02 41 19 13-0081 Concrete Core Drilling (02 41 19 13-0080)		
02 41 19 13-0082 Up To 4" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0083 EA Drill 1" Diameter Core In Up To 4" Concrete.....	45.11	
For Horizontal Cores, Add	8.92	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.64	
02 41 19 13-0084 EA Drill 1-1/2" Diameter Core In Up To 4" Concrete	50.05	
For Horizontal Cores, Add	9.91	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.82	
02 41 19 13-0085 EA Drill 2" Diameter Core In Up To 4" Concrete.....	55.57	
For Horizontal Cores, Add	11.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.02	
02 41 19 13-0086 EA Drill 3" Diameter Core In Up To 4" Concrete.....	79.36	
For Horizontal Cores, Add	15.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.47	
02 41 19 13-0087 EA Drill 4" Diameter Core In Up To 4" Concrete.....	106.34	
For Horizontal Cores, Add	21.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	42.16	
02 41 19 13-0088 EA Drill 6" Diameter Core In Up To 4" Concrete.....	119.16	
For Horizontal Cores, Add	23.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.20	
02 41 19 13-0089 EA Drill 8" Diameter Core In Up To 4" Concrete.....	190.40	
For Horizontal Cores, Add	37.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	75.52	
02 41 19 13-0090 EA Drill 10" Diameter Core In Up To 4" Concrete.....	238.19	
For Horizontal Cores, Add	47.20	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	94.40	
02 41 19 13-0091 EA Drill 12" Diameter Core In Up To 4" Concrete.....	277.97	
For Horizontal Cores, Add	55.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.14	
02 41 19 13-0092 EA Drill 14" Diameter Core In Up To 4" Concrete.....	317.76	
For Horizontal Cores, Add	62.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	125.86	
02 41 19 13-0093 EA Drill 18" Diameter Core In Up To 4" Concrete.....	357.96	
For Horizontal Cores, Add	70.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	141.58	
02 41 19 13-0094 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0095 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	64.49	
For Horizontal Cores, Add	12.74	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.48	
02 41 19 13-0096 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	71.58	
For Horizontal Cores, Add	14.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.32	
02 41 19 13-0097 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	79.44	
For Horizontal Cores, Add	15.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.46	
02 41 19 13-0098 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	95.48	
For Horizontal Cores, Add	18.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.76	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0099 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	119.42	
For Horizontal Cores, Add	23.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.20	
02 41 19 13-0100 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	159.11	
For Horizontal Cores, Add	31.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	62.93	
02 41 19 13-0101 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	238.43	
For Horizontal Cores, Add	47.20	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	94.40	
02 41 19 13-0102 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	278.62	
For Horizontal Cores, Add	55.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.14	
02 41 19 13-0103 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	318.56	
For Horizontal Cores, Add	62.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	125.86	
02 41 19 13-0104 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	358.71	
For Horizontal Cores, Add	70.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	141.58	
02 41 19 13-0105 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	399.49	
For Horizontal Cores, Add	78.66	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	157.33	
02 41 19 13-0106 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0107 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	71.16	
For Horizontal Cores, Add	14.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.04	
02 41 19 13-0108 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	78.95	
For Horizontal Cores, Add	15.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.15	
02 41 19 13-0109 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	87.60	
For Horizontal Cores, Add	17.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.61	
02 41 19 13-0110 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	103.74	
For Horizontal Cores, Add	20.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.91	
02 41 19 13-0111 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	135.65	
For Horizontal Cores, Add	26.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	53.49	
02 41 19 13-0112 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	191.18	
For Horizontal Cores, Add	37.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	75.52	
02 41 19 13-0113 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	317.89	
For Horizontal Cores, Add	62.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	125.86	
02 41 19 13-0114 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	358.30	
For Horizontal Cores, Add	70.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	141.58	
02 41 19 13-0115 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	398.54	
For Horizontal Cores, Add	78.66	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	157.33	
02 41 19 13-0116 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	438.98	
For Horizontal Cores, Add	86.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	173.03	
02 41 19 13-0117 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	480.33	
For Horizontal Cores, Add	94.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	188.80	
02 41 19 13-0118 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0119 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	84.18	
For Horizontal Cores, Add	16.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.13	
02 41 19 13-0120 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	93.39	
For Horizontal Cores, Add	18.41	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.82	
02 41 19 13-0121 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	103.61	
For Horizontal Cores, Add	20.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.90	
02 41 19 13-0122 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	119.85	
For Horizontal Cores, Add	23.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.20	
02 41 19 13-0123 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	136.15	
For Horizontal Cores, Add	26.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	53.49	
02 41 19 13-0124 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	191.79	
For Horizontal Cores, Add	37.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	75.52	
02 41 19 13-0125 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	318.71	
For Horizontal Cores, Add	62.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	125.86	
02 41 19 13-0126 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	359.39	
For Horizontal Cores, Add	70.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	141.58	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0127 EA Drill 12" Diameter Core In >8" To 10" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	399.75 78.65 157.29	
02 41 19 13-0128 EA Drill 14" Diameter Core In >8" To 10" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	440.63 86.51 173.03	
02 41 19 13-0129 EA Drill 18" Diameter Core In >8" To 10" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	482.38 94.38 188.75	
02 41 19 13-0130 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0131 EA Drill 1" Diameter Core In >10" To 12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.84 17.84 35.68	
02 41 19 13-0132 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.75 19.82 39.65	
02 41 19 13-0133 EA Drill 2" Diameter Core In >10" To 12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	111.77 22.03 44.06	
02 41 19 13-0134 EA Drill 3" Diameter Core In >10" To 12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	120.24 23.60 47.20	
02 41 19 13-0135 EA Drill 4" Diameter Core In >10" To 12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	160.25 31.47 62.93	
02 41 19 13-0136 EA Drill 6" Diameter Core In >10" To 12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	208.13 40.91 81.82	
02 41 19 13-0137 EA Drill 8" Diameter Core In >10" To 12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	335.28 66.08 132.16	
02 41 19 13-0138 EA Drill 10" Diameter Core In >10" To 12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	360.47 70.79 141.58	
02 41 19 13-0139 EA Drill 12" Diameter Core In >10" To 12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	416.91 81.82 163.64	
02 41 19 13-0140 >12" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0141 IN Drill 1" Diameter Core In >12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.04 2.18 4.36	
02 41 19 13-0142 IN Drill 1-1/2" Diameter Core In >12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.26 2.42 4.85	
02 41 19 13-0143 IN Drill 2" Diameter Core In >12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.61 2.69 5.39	
02 41 19 13-0144 IN Drill 3" Diameter Core In >12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.94 2.95 5.90	
02 41 19 13-0145 IN Drill 4" Diameter Core In >12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.90 3.93 7.86	
02 41 19 13-0146 IN Drill 6" Diameter Core In >12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.88 5.12 10.23	
02 41 19 13-0147 IN Drill 8" Diameter Core In >12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.75 8.27 16.54	
02 41 19 13-0148 IN Drill 10" Diameter Core In >12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.97 8.89 17.77	
02 41 19 13-0149 IN Drill 12" Diameter Core In >12" Concrete..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	51.82 10.23 20.47	
02 41 19 13-0150 Brick/Concrete Block Core Drilling (02 41 19 13-0080)		
02 41 19 13-0151 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)		
02 41 19 13-0152 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.20 7.14 14.28	
02 41 19 13-0153 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.15 7.93 15.86	
02 41 19 13-0154 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.56 8.81 17.62	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0155 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block.....	63.62	
For Horizontal Cores, Add	12.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.17	
02 41 19 13-0156 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block.....	85.26	
For Horizontal Cores, Add	16.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.73	
02 41 19 13-0157 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block.....	95.57	
For Horizontal Cores, Add	18.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.76	
02 41 19 13-0158 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block.....	152.64	
For Horizontal Cores, Add	30.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	60.42	
02 41 19 13-0159 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block.....	190.99	
For Horizontal Cores, Add	37.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	75.52	
02 41 19 13-0160 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block.....	222.89	
For Horizontal Cores, Add	44.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	88.11	
02 41 19 13-0161 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block.....	254.83	
For Horizontal Cores, Add	50.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.68	
02 41 19 13-0162 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block.....	287.18	
For Horizontal Cores, Add	56.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	113.27	
02 41 19 13-0163 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)		
02 41 19 13-0164 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block.....	51.76	
For Horizontal Cores, Add	10.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.39	
02 41 19 13-0165 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block.....	57.42	
For Horizontal Cores, Add	11.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.65	
02 41 19 13-0166 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block.....	63.71	
For Horizontal Cores, Add	12.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.17	
02 41 19 13-0167 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block.....	76.60	
For Horizontal Cores, Add	15.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.21	
02 41 19 13-0168 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block.....	95.83	
For Horizontal Cores, Add	18.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.76	
02 41 19 13-0169 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block.....	127.64	
For Horizontal Cores, Add	25.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	50.34	
02 41 19 13-0170 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block.....	191.23	
For Horizontal Cores, Add	37.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	75.52	
02 41 19 13-0171 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block.....	223.54	
For Horizontal Cores, Add	44.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	88.11	
02 41 19 13-0172 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block.....	255.63	
For Horizontal Cores, Add	50.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.68	
02 41 19 13-0173 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block.....	287.93	
For Horizontal Cores, Add	56.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	113.27	
02 41 19 13-0174 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block.....	320.82	
For Horizontal Cores, Add	62.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	125.86	
02 41 19 13-0175 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)		
02 41 19 13-0176 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block.....	57.14	
For Horizontal Cores, Add	11.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.43	
02 41 19 13-0177 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block.....	63.37	
For Horizontal Cores, Add	12.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.92	
02 41 19 13-0178 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block.....	70.30	
For Horizontal Cores, Add	13.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.69	
02 41 19 13-0179 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block.....	83.28	
For Horizontal Cores, Add	16.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.72	
02 41 19 13-0180 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block.....	108.90	
For Horizontal Cores, Add	21.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	42.79	
02 41 19 13-0181 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block.....	153.42	
For Horizontal Cores, Add	30.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	60.42	
02 41 19 13-0182 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block.....	254.96	
For Horizontal Cores, Add	50.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.68	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0183 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	287.52 56.63 113.27	
02 41 19 13-0184 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	319.87 62.93 125.86	
02 41 19 13-0185 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	352.46 69.21 138.42	
02 41 19 13-0186 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	385.93 75.52 151.04	
02 41 19 13-0187 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)		
02 41 19 13-0188 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.62 13.25 26.51	
02 41 19 13-0189 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	74.98 14.73 29.45	
02 41 19 13-0190 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.16 16.36 32.72	
02 41 19 13-0191 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.26 18.88 37.76	
02 41 19 13-0192 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	109.40 21.40 42.79	
02 41 19 13-0193 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	154.03 30.21 60.42	
02 41 19 13-0194 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	255.78 50.34 100.68	
02 41 19 13-0195 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	288.61 56.63 113.27	
02 41 19 13-0196 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	321.11 62.92 125.84	
02 41 19 13-0197 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	354.11 69.21 138.42	
02 41 19 13-0198 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	388.01 75.50 151.00	
02 41 19 13-0199 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)		
02 41 19 13-0200 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.99 14.27 28.54	
02 41 19 13-0201 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.92 15.86 31.72	
02 41 19 13-0202 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.74 17.62 35.24	
02 41 19 13-0203 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.65 18.88 37.76	
02 41 19 13-0204 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	128.78 25.17 50.34	
02 41 19 13-0205 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	167.22 32.73 65.45	
02 41 19 13-0206 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	269.20 52.86 105.72	
02 41 19 13-0207 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	289.69 56.63 113.27	
02 41 19 13-0208 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	335.09 65.45 130.91	
02 41 19 13-0209 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)		
02 41 19 13-0210 IN Drill 1" Diameter Core In >12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.86 1.74 3.49	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0211 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.84 1.94 3.88	
02 41 19 13-0212 IN Drill 2" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.91 2.15 4.31	
02 41 19 13-0213 IN Drill 3" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.99 2.36 4.72	
02 41 19 13-0214 IN Drill 4" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.96 3.14 6.29	
02 41 19 13-0215 IN Drill 6" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.77 4.09 8.19	
02 41 19 13-0216 IN Drill 8" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.48 6.61 13.23	
02 41 19 13-0217 IN Drill 10" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.08 7.11 14.22	
02 41 19 13-0218 IN Drill 12" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.58 8.19 16.37	
02 41 19 13-0219 Asphalt Core Drilling (02 41 19 13-0080)		
02 41 19 13-0220 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0219)		
02 41 19 13-0221 EA Drill 1" Diameter Core In Up To 2" Asphalt.....	21.64	
02 41 19 13-0222 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt.....	27.06	
02 41 19 13-0223 EA Drill 2" Diameter Core In Up To 2" Asphalt.....	33.82	
02 41 19 13-0224 EA Drill 3" Diameter Core In Up To 2" Asphalt.....	41.96	
02 41 19 13-0225 EA Drill 4" Diameter Core In Up To 2" Asphalt.....	52.79	
02 41 19 13-0226 EA Drill 6" Diameter Core In Up To 2" Asphalt.....	66.34	
02 41 19 13-0227 EA Drill 8" Diameter Core In Up To 2" Asphalt.....	82.63	
02 41 19 13-0228 EA Drill 10" Diameter Core In Up To 2" Asphalt.....	102.89	
02 41 19 13-0229 EA Drill 12" Diameter Core In Up To 2" Asphalt.....	128.58	
02 41 19 13-0230 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0219)		
02 41 19 13-0231 EA Drill 1" Diameter Core In >2" To 3" Asphalt.....	27.05	
02 41 19 13-0232 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt.....	35.16	
02 41 19 13-0233 EA Drill 2" Diameter Core In >2" To 3" Asphalt.....	43.27	
02 41 19 13-0234 EA Drill 3" Diameter Core In >2" To 3" Asphalt.....	54.11	
02 41 19 13-0235 EA Drill 4" Diameter Core In >2" To 3" Asphalt.....	67.65	
02 41 19 13-0236 EA Drill 6" Diameter Core In >2" To 3" Asphalt.....	85.23	
02 41 19 13-0237 EA Drill 8" Diameter Core In >2" To 3" Asphalt.....	105.59	
02 41 19 13-0238 EA Drill 10" Diameter Core In >2" To 3" Asphalt.....	132.61	
02 41 19 13-0239 EA Drill 12" Diameter Core In >2" To 3" Asphalt.....	165.05	
02 41 19 13-0240 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0219)		
02 41 19 13-0241 EA Drill 1" Diameter Core In >3" To 4" Asphalt.....	35.17	
02 41 19 13-0242 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt.....	44.65	
02 41 19 13-0243 EA Drill 2" Diameter Core In >3" To 4" Asphalt.....	55.47	
02 41 19 13-0244 EA Drill 3" Diameter Core In >3" To 4" Asphalt.....	69.02	
02 41 19 13-0245 EA Drill 4" Diameter Core In >3" To 4" Asphalt.....	86.64	
02 41 19 13-0246 EA Drill 6" Diameter Core In >3" To 4" Asphalt.....	108.29	
02 41 19 13-0247 EA Drill 8" Diameter Core In >3" To 4" Asphalt.....	135.44	
02 41 19 13-0248 EA Drill 10" Diameter Core In >3" To 4" Asphalt.....	169.24	
02 41 19 13-0249 EA Drill 12 Diameter Core In >3" To 4" Asphalt.....	211.15	
02 41 19 13-0250 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0219)		
02 41 19 13-0251 EA Drill 1" Diameter Core In >4" To 6" Asphalt.....	46.03	
02 41 19 13-0252 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt.....	56.88	
02 41 19 13-0253 EA Drill 2" Diameter Core In >4" To 6" Asphalt.....	70.40	
02 41 19 13-0254 EA Drill 3" Diameter Core In >4" To 6" Asphalt.....	89.41	
02 41 19 13-0255 EA Drill 4" Diameter Core In >4" To 6" Asphalt.....	111.12	
02 41 19 13-0256 EA Drill 6" Diameter Core In >4" To 6" Asphalt.....	138.23	
02 41 19 13-0257 EA Drill 8" Diameter Core In >4" To 6" Asphalt.....	173.55	
02 41 19 13-0258 EA Drill 10" Diameter Core In >4" To 6" Asphalt.....	216.83	
02 41 19 13-0259 EA Drill 12" Diameter Core In >4" To 6" Asphalt.....	270.97	
02 41 19 13-0260 Manhole Core Drilling (02 41 19 13-0080)		
02 41 19 13-0261 EA Drill 4" Diameter Core In 6" Brick Manhole.....	236.96	
02 41 19 13-0262 EA Drill 5" Diameter Core In 6" Brick Manhole.....	270.80	
02 41 19 13-0263 EA Drill 6" Diameter Core In 6" Brick Manhole.....	315.83	
02 41 19 13-0264 EA Drill 8" Diameter Core In 6" Brick Manhole.....	473.61	
02 41 19 13-0265 EA Drill 2" Diameter Core In 8" Concrete Manhole.....	317.48	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0266 EA Drill 3" Diameter Core In 8" Concrete Manhole.....	338.08	
02 41 19 13-0267 EA Drill 4" Diameter Core In 8" Concrete Manhole.....	372.19	
02 41 19 13-0268 EA Drill 5" Diameter Core In 8" Concrete Manhole.....	399.35	
02 41 19 13-0269 EA Drill 6" Diameter Core In 8" Concrete Manhole.....	473.64	
02 41 19 13-0270 EA Drill 8" Diameter Core In 8" Concrete Manhole.....	676.47	
02 41 19 13-0271 EA Drill 2" Diameter Core In Fiberglass Manhole.....	31.50	
02 41 19 13-0272 EA Drill 3" Diameter Core In Fiberglass Manhole.....	36.34	
02 41 19 13-0273 EA Drill 4" Diameter Core In Fiberglass Manhole.....	39.38	
02 41 19 13-0274 EA Drill 5" Diameter Core In Fiberglass Manhole.....	42.97	
02 41 19 13-0275 EA Drill 6" Diameter Core In Fiberglass Manhole.....	47.26	
02 41 19 13-0276 EA Drill 8" Diameter Core In Fiberglass Manhole.....	52.53	
02 41 19 13-0277 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0080)		
Note: Includes layout.		
02 41 19 13-0278 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.25	
02 41 19 13-0279 IN 5/16" Diameter Drilling In Concrete Per Inch Of Depth.....	2.38	
02 41 19 13-0280 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.51	
02 41 19 13-0281 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.70	
02 41 19 13-0282 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.87	
02 41 19 13-0283 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.16	
02 41 19 13-0284 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	3.42	
02 41 19 13-0285 IN 1" Diameter Drilling In Concrete Per Inch Of Depth.....	3.59	
02 41 19 13-0286 IN 1-1/8" Diameter Drilling In Concrete Per Inch Of Depth.....	4.23	
02 41 19 13-0287 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.97	
02 41 19 13-0288 IN 1-3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	4.23	
02 41 19 13-0289 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	4.49	
02 41 19 13-0290 IN 1-3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	4.98	
02 41 19 13-0291 IN 2" Diameter Drilling In Concrete Per Inch Of Depth.....	5.80	
02 41 19 13-0292 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0080)		
Note: Includes layout.		
02 41 19 13-0293 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.88	
02 41 19 13-0294 IN 5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.99	
02 41 19 13-0295 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.10	
02 41 19 13-0296 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.25	
02 41 19 13-0297 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.39	
02 41 19 13-0298 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.63	
02 41 19 13-0299 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.84	
02 41 19 13-0300 IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.99	
02 41 19 13-0301 IN 1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.15	
02 41 19 13-0302 IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.30	
02 41 19 13-0303 IN 1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.53	
02 41 19 13-0304 IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.75	
02 41 19 13-0305 IN 1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.18	
02 41 19 13-0306 IN 2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.83	
02 41 19 13-0307 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0080)		
Note: Includes layout.		
02 41 19 13-0308 IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.93	
02 41 19 13-0309 IN 5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.99	
02 41 19 13-0310 IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.05	
02 41 19 13-0311 IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.12	
02 41 19 13-0312 IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.19	
02 41 19 13-0313 IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.31	
02 41 19 13-0314 IN 7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.42	
02 41 19 13-0315 IN 1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.49	
02 41 19 13-0316 IN 1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.57	
02 41 19 13-0317 IN 1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.64	
02 41 19 13-0318 IN 1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.75	
02 41 19 13-0319 IN 1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.87	
02 41 19 13-0320 IN 1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.08	
02 41 19 13-0321 IN 2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.41	
02 41 19 13-0322 Drilling In Drywall Or Plaster Per Inch Of Depth (02 41 19 13-0080)		
Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.		
02 41 19 13-0323 IN 1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	0.93	
02 41 19 13-0324 IN 5/16" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	0.99	
02 41 19 13-0325 IN 3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.05	
02 41 19 13-0326 IN 1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.12	
02 41 19 13-0327 IN 5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.19	
02 41 19 13-0328 IN 3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.31	
02 41 19 13-0329 IN 7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.42	
02 41 19 13-0330 IN 1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.49	
02 41 19 13-0331 IN 1-1/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.57	
02 41 19 13-0332 IN 1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.64	
02 41 19 13-0333 IN 1-3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.75	
02 41 19 13-0334 IN 1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.87	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0335 IN 1-3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	2.08	
02 41 19 13-0336 IN 2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	2.40	
02 41 19 13-0337 IN Drill 3" Diameter Core In Wood Or Plastic Per Inch Of Depth.....	3.18	
02 41 19 13-0338 IN Drill 4" Diameter Core In Wood Or Plastic Per Inch Of Depth.....	3.99	
02 41 19 13-0339 IN Drill 5" Diameter Core In Wood Or Plastic Per Inch Of Depth.....	4.51	
02 41 19 13-0340 IN Drill 6" Diameter Core In Wood Or Plastic Per Inch Of Depth.....	5.03	
02 41 19 13-0341 Limestone Core Drilling (02 41 19 13-0080)		
02 41 19 13-0342 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0341)		
02 41 19 13-0343 EA Drill 1" Diameter Core In 10" To 14" Limestone.....	68.00	
02 41 19 13-0344 EA Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	81.67	
02 41 19 13-0345 EA Drill 2" Diameter Core In 10" To 14" Limestone.....	88.59	
02 41 19 13-0346 EA Drill 3" Diameter Core In 10" To 14" Limestone.....	102.47	
02 41 19 13-0347 EA Drill 4" Diameter Core In 10" To 14" Limestone.....	116.37	
02 41 19 13-0348 EA Drill 6" Diameter Core In 10" To 14" Limestone.....	163.96	
02 41 19 13-0349 EA Drill 8" Diameter Core In 10" To 14" Limestone.....	272.55	
02 41 19 13-0350 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0341)		
02 41 19 13-0351 EA Drill 1" Diameter Core In 15" To 18" Limestone.....	74.87	
02 41 19 13-0352 EA Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	88.57	
02 41 19 13-0353 EA Drill 2" Diameter Core In 15" To 18" Limestone.....	95.54	
02 41 19 13-0354 EA Drill 3" Diameter Core In 15" To 18" Limestone.....	102.78	
02 41 19 13-0355 EA Drill 4" Diameter Core In 15" To 18" Limestone.....	136.98	
02 41 19 13-0356 EA Drill 6" Diameter Core In 15" To 18" Limestone.....	177.90	
02 41 19 13-0357 EA Drill 8" Diameter Core In 15" To 18" Limestone.....	286.79	
02 41 19 13-0358 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0341)		
02 41 19 13-0359 EA Drill 1" Diameter Core In 19" To 24" Limestone.....	81.72	
02 41 19 13-0360 EA Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	95.46	
02 41 19 13-0361 EA Drill 2" Diameter Core In 19" To 24" Limestone.....	102.48	
02 41 19 13-0362 EA Drill 3" Diameter Core In 19" To 24" Limestone.....	116.50	
02 41 19 13-0363 EA Drill 4" Diameter Core In 19" To 24" Limestone.....	164.26	
02 41 19 13-0364 EA Drill 6" Diameter Core In 19" To 24" Limestone.....	205.28	
02 41 19 13-0365 EA Drill 8" Diameter Core In 19" To 24" Limestone.....	307.75	
02 41 19 13-0366 Minimum Charge For Core Drilling (02 41 19 13-0080)		
02 41 19 13-0367 EA Minimum Charge For Core Drill.....	924.35	
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".		
02 41 19 13-0368 Cutouts (02 41 19 13)		
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0369 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0368)		
02 41 19 13-0370 SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	52.84	
02 41 19 13-0371 SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	56.05	
02 41 19 13-0372 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	59.24	
02 41 19 13-0373 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	62.45	
02 41 19 13-0374 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	64.05	
02 41 19 13-0375 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0368)		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0376 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	64.40	
02 41 19 13-0377 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	68.30	
02 41 19 13-0378 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	72.21	
02 41 19 13-0379 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	76.11	
02 41 19 13-0380 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	78.06	
02 41 19 13-0381 Reinforced Concrete Wall Cutouts (02 41 19 13-0368)		
02 41 19 13-0382 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	66.05	
02 41 19 13-0383 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	70.05	
02 41 19 13-0384 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	74.06	
02 41 19 13-0385 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	78.06	
02 41 19 13-0386 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	80.06	
02 41 19 13-0387 Brick Wall Cutouts (02 41 19 13-0368)		
Note: Excludes toothing.		
02 41 19 13-0388 SF 4" Thick Brick Wall Cutouts, <24 SF.....	20.02	
02 41 19 13-0389 SF 6" Thick Brick Wall Cutouts, <24 SF.....	33.02	
02 41 19 13-0390 SF 8" Thick Brick Wall Cutouts, <24 SF.....	45.99	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0391 SF 10" Thick Brick Wall Cutouts, <24 SF	56.05	
02 41 19 13-0392 SF 12" Thick Brick Wall Cutouts, <24 SF	67.05	
02 41 19 13-0393 SF 16" Thick Brick Wall Cutouts, <24 SF	79.06	
02 41 19 13-0394 Concrete Block Wall Cutouts (02 41 19 13-0368)		
Note: Excludes toothing.		
02 41 19 13-0395 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	33.11	
02 41 19 13-0396 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	35.06	
02 41 19 13-0397 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	37.03	
02 41 19 13-0398 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	39.03	
02 41 19 13-0399 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	40.03	
02 41 19 13-0400 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	42.04	
02 41 19 13-0401 Limestone Cutouts (02 41 19 13-0368)		
02 41 19 13-0402 SF 2" Thick Limestone Cutouts, <24 SF	56.05	
02 41 19 13-0403 SF 4" Thick Limestone Cutouts, <24 SF	68.05	
02 41 19 13-0404 SF 6" Thick Limestone Cutouts, <24 SF	72.06	
02 41 19 13-0405 SF 8" Thick Limestone Cutouts, <24 SF	76.06	
02 41 19 13-0406 SF 10" Thick Limestone Cutouts, <24 SF	80.06	
02 41 19 13-0407 SF 12" Thick Limestone Cutouts, <24 SF	84.06	
02 41 19 13-0408 Toothing Masonry Cutouts (02 41 19 13-0368)		
Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0409 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts	20.02	
02 41 19 13-0410 VLF Brick, Hard Mortar, Toothing Masonry Cutouts	27.02	
02 41 19 13-0411 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	12.01	
02 41 19 13-0412 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts	16.01	
02 41 19 13-0413 Minimum Charge For Cutouts (02 41 19 13-0368)		
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0414 EA Minimum Charge For Cutouts	400.31	
02 43 Structure Moving (02 40)		
02 43 13 Structure Relocation (02 43)		
Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.		
02 43 13 13 Building Relocation (02 43 13)		
02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13 13)		
Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 13-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building	38.22	
02 43 13 13-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building	36.13	
02 43 13 13-0004 SF >920 SF, Move Relocatable Metal Frame Building	33.81	
02 43 13 13-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building	30.67	
02 43 13 13-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building	28.67	
02 43 13 13-0007 SF >920 SF, Move Relocatable Wood Frame Building	25.36	
02 43 13 13-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building	37.15	
02 43 13 13-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building	33.81	
02 43 13 13-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building	28.67	
02 60 Contaminated Site Material Removal (02)		
02 61 Removal and Disposal of Contaminated Soils (02 60)		
02 61 13 Excavation and Handling of Contaminated Material (02 61)		
See CSI section 31 23 16 00-0000 for excavation.		
02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil (02 61 13)		
See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.		
02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil (02 61 13 00-0001)		
02 61 13 00-0003 CY Excavate Non-Petroleum Contaminated Soil	9.63	
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.		
02 61 13 00-0004 CY Load Excavated Non-Petroleum Contaminated Soil	8.35	
02 61 13 00-0005 CY Disposal Fees Of Non-Petroleum Contaminated Soil	52.79	

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 61 Removal and Disposal of Contaminated Soils**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 13 00-0006		Excavate Petroleum Contaminated Soil (02 61 13)		
02 61 13 00-0007	CY	Excavate Petroleum Contaminated Soil..... Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	14.45	
02 61 13 00-0008	CY	Load Excavated Petroleum Contaminated Soil.....	8.35	
02 61 13 00-0009	CY	Disposal Fees Of Petroleum Contaminated Soil.....	84.58	
02 61 13 00-0010		Accessories For Contaminated Soil Stockpile (02 61 13)		
		See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-0011	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.58	
02 61 13 00-0012	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.94	
02 61 26		Removal and Disposal of Asbestos Contaminated Soils (02 61)		
		Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-0001		Removal and Disposal of Asbestos Contaminated Soils (02 61 26)		
		Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	1,251.19 375.36	
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	82.94 24.88	
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	55.30 16.59	
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	41.53 12.46	
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	33.18 9.95	
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	28.20 8.46	
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	25.38 7.61	
02 65		Underground Storage Tank Removal (02 60)		
		Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0043 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.		
02 65 00 00-0001		Monitoring, Sampling, Testing And Analysis (02 65)		
02 65 00 00-0002		Field Samples For Testing Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	27.56	
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	27.56	
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	27.56	
02 65 00 00-0006		Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)		
		Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	208.77	
02 65 00 00-0008	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	81.19	
02 65 00 00-0009	EA	TOX 9020, Lab Test..... Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	195.30	
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	208.77	
02 65 00 00-0011	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	162.38	
02 65 00 00-0012	EA	VOC, Lab Test..... Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	440.74	
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	811.90	
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	97.65	



Existing Conditions		02
Contaminated Site Material Removal	02 60	02
Underground Storage Tank Removal	02 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0015 EA TCLP (Extraction) - Metals, Lab Test.....	173.98	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0016 EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test.....	231.97	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0017 EA Metals 6010 RCRA, Lab Test.....	259.81	
Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.		
02 65 00 00-0018 EA Metals (Arsenic) 7060, Lab Test.....	34.80	
Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.		
02 65 00 00-0019 EA Metals (Selenium) 7740, Lab Test.....	34.80	
Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.		
02 65 00 00-0020 EA Metals (Lead) 7421, Lab Test.....	34.80	
Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.		
02 65 00 00-0021 EA Metals (Mercury) 7470, Lab Test.....	64.95	
Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.		
02 65 00 00-0022 EA PNA/PAH 8100, Lab Test.....	371.15	
Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.		
02 65 00 00-0023 EA Fuel Id ASTM D3328-78, Lab Test.....	134.27	
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.		
02 65 00 00-0024 EA pH, Lab Test.....	27.84	
02 65 00 00-0025 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater.....	347.96	
02 65 00 00-0026 EA Methyl Tertiary Butyl Ether (MTBE), Lab Test.....	208.77	
02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer.....	1,200.78	
Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.		
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems.....	208.21	
Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030 EA Check And Report On Monitor Probes.....	48.18	
Note: By Certified Technician		
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	338.84	
Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA Removal And Replacement Of Anode On Impressed System.....	155.94	
02 65 00 00-0033 EA Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank.....	225.06	
02 65 00 00-0034 EA Removal And Replacement Of Monitor Probes On Underground Storage Tank.....	325.66	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank.....	219.28	
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank.....	128.79	
02 65 00 00-0038 HR Certified Geologist/Environmentalist.....	130.72	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank.....	140.02	
Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank.....	0.64	
Note: Per gallon of material transferred.		
02 65 00 00-0043 Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank.....	1.99	
02 65 00 00-0045 GAL Removal and Disposal Of Non-Hazardous Liquid From Tank.....	0.89	
02 65 00 00-0046 Sludge (02 65 00 00-0040)		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	6.97	
02 65 00 00-0048 GAL Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank.....	1.59	
02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051 LB Purge Tank Using Dry Ice.....	4.25	
Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.		

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049) Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	356.66	
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	468.82	
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	609.68	
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	828.16	
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,610.75	
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,936.81	
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,227.08	
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,693.38	
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,482.61	
02 65 00 00-0062 EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,186.96	
02 65 00 00-0063 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	5,312.02	
02 65 00 00-0064 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	6,536.07	
02 65 00 00-0065 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	7,986.35	
02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)		
02 65 00 00-0067 EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior	262.55	
02 65 00 00-0068 EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior	349.61	
02 65 00 00-0069 EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	458.12	
02 65 00 00-0070 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	634.40	
02 65 00 00-0071 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,404.90	
02 65 00 00-0072 EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,778.89	
02 65 00 00-0073 EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,081.63	
02 65 00 00-0074 EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,616.90	
02 65 00 00-0075 EA >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,401.33	
02 65 00 00-0076 EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,269.35	
02 65 00 00-0077 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,559.04	
02 65 00 00-0078 EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,670.85	
02 65 00 00-0079 EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,338.56	
02 65 00 00-0080 Tank And Piping Removal (02 65) Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.		
02 65 00 00-0081 Removal And Disposal Of Piping (02 65 00 00-0080) Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082 LF Up To 4", Removal And Disposal Of Piping	20.87	
02 65 00 00-0083 LF >4" To 8", Removal And Disposal Of Piping	27.82	
02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080) Note: Excludes excavation or backfill.		
02 65 00 00-0085 EA Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	720.49	
02 65 00 00-0086 EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	874.87	
02 65 00 00-0087 EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,029.27	
02 65 00 00-0088 EA >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,286.59	
02 65 00 00-0089 EA >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,801.22	
02 65 00 00-0090 EA >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,264.39	
02 65 00 00-0091 EA >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,573.17	
02 65 00 00-0092 EA >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,087.80	
02 65 00 00-0093 EA >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,117.07	
02 65 00 00-0094 EA >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,935.46	
02 65 00 00-0095 EA >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,783.34	
02 65 00 00-0096 EA >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,766.01	
02 65 00 00-0097 EA >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,457.51	
02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080) Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099 EA >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	875.51	
02 65 00 00-0100 EA >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,632.71	
02 65 00 00-0101 EA >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,963.99	
02 65 00 00-0102 EA >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,188.78	
02 65 00 00-0103 EA >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,626.53	
02 65 00 00-0104 EA >10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,265.41	
02 65 00 00-0105 EA >15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,927.96	
02 65 00 00-0106 EA >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,909.96	
02 65 00 00-0107 EA >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,137.45	
02 65 00 00-0108 EA >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,671.80	
02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080) Note: Includes disposal fee.		



Existing Conditions		02
Contaminated Site Material Removal	02 60	02
Underground Storage Tank Removal	02 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0110 EA Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	328.44	
For Each Additional Mile >15 Miles, Add	4.81	
02 65 00 00-0111 EA >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	447.13	
For Each Additional Mile >15 Miles, Add	6.07	
02 65 00 00-0112 EA >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	704.76	
For Each Additional Mile >15 Miles, Add	9.10	
02 65 00 00-0113 EA >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,106.03	
For Each Additional Mile >15 Miles, Add	10.62	
02 65 00 00-0114 EA >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,951.96	
For Each Additional Mile >15 Miles, Add	18.72	
02 65 00 00-0115 EA >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,012.65	
For Each Additional Mile >15 Miles, Add	20.23	
02 65 00 00-0116 EA >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,113.82	
For Each Additional Mile >15 Miles, Add	22.76	
02 65 00 00-0117 EA >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,075.76	
For Each Additional Mile >15 Miles, Add	30.35	
02 65 00 00-0118 EA >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,204.93	
For Each Additional Mile >15 Miles, Add	45.52	
02 65 00 00-0119 EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,929.47	
For Each Additional Mile >15 Miles, Add	50.58	
02 65 00 00-0120 EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	6,106.08	
For Each Additional Mile >15 Miles, Add	60.70	
02 65 00 00-0121 EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	8,589.70	
For Each Additional Mile >15 Miles, Add	72.84	
02 65 00 00-0122 EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	10,389.02	
For Each Additional Mile >15 Miles, Add	83.76	
02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080)		
Note: Based on tank gallon size		
02 65 00 00-0124 GAL Removal Of Cement Lining.....	0.63	
02 65 00 00-0125 GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.22	
02 65 00 00-0126 GAL Install Epoxy For Interior Corrosion Protection	1.35	
02 65 00 00-0127 Tank Closure Report (02 65 00 00-0080)		
Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128 EA Prepare Tank Closure Report.....	3,512.18	
02 65 00 00-0129 Temporary Tanks (02 65)		
02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)		
02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)		
02 65 00 00-0132 MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental.....	965.25	
02 65 00 00-0133 MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0134 MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,930.49	
02 65 00 00-0135 MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,447.87	
02 65 00 00-0136 MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,378.36	
02 65 00 00-0137 MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	2,413.12	
02 65 00 00-0138 MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	4,641.67	
02 65 00 00-0139 MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,562.63	
02 65 00 00-0140 MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	9,393.85	
02 65 00 00-0141 Secondary Containment Berm (02 65 00 00-0129)		
02 65 00 00-0142 MO Secondary Containment Berm Monthly Rental	2,091.37	
02 80 Facility Remediation (02)		
02 81 Transportation and Disposal of Hazardous Materials (02 80)		
02 81 00 00-0001 Hazardous Material Disposal (02 81)		
02 81 00 00-0002 EA RCRA (Direct Landfill) Drums.....	511.76	
Note: Excludes stabilization. See CSI section 02 81 00 00-0003 for Stabilization (>5 ppm).		
02 81 00 00-0003 EA Stabilization (>5 ppm).....	681.93	
02 81 00 00-0004 TON Bulk Hazardous Material Landfill Cost.....	431.72	
02 81 00 00-0005 Equipment Oil Drain And Disposal (02 81)		
02 81 00 00-0006 TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site.....	677.78	
Note: Excludes Disposal Cost.		
02 81 00 00-0007 DRM Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum.....	106.51	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0008 DRM Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	484.12	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0009 DRM Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum.....	871.42	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		

02 Existing Conditions**02 80 Facility Remediation****02 81 Transportation and Disposal of Hazardous Materials**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 81 00 00-0010 CF Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site 116.24
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.

02 82 Asbestos Remediation (02 80)

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0043 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting for containment construction, 02 89 00 00-0009 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)**02 82 13 00-0001****Air Monitoring And Bulk Sampling, Asbestos Testing** (02 82 13)

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	100.94
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	63.06
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	73.93
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	117.42
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	202.22
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	245.71
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	50.01
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....	60.88
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....	82.63
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	63.06
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	73.93
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	117.42
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	202.22
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing.....	232.66
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing.....	323.99

02 82 16 Engineering Control of Asbestos Containing Materials (02 82)**02 82 16 00-0001****Asbestos Encapsulation (Lock-Down)** (02 82 16)

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat.....	1.71
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	2.34
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®).....	2.54
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	2.75
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	8.56
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®).....	9.70

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001**Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal** (02 82 33)**02 82 33 00-0002****Pipe Insulation, Asbestos Abatement And Disposal** (02 82 33 00-0001)

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003**Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal** (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,270.74
		<i>For Work In Restricted Working Space, Add</i>	375.36
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	43.63
		<i>For Work In Restricted Working Space, Add</i>	12.80
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	32.97
		<i>For Work In Restricted Working Space, Add</i>	9.60
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	24.97
		<i>For Work In Restricted Working Space, Add</i>	7.20
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	18.97
		<i>For Work In Restricted Working Space, Add</i>	5.40
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	16.63
		<i>For Work In Restricted Working Space, Add</i>	4.70

02 82 33 00-0010**>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal** (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,290.29
		<i>For Work In Restricted Working Space, Add</i>	375.36
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	51.02
		<i>For Work In Restricted Working Space, Add</i>	14.72
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	38.75
		<i>For Work In Restricted Working Space, Add</i>	11.04



Existing Conditions			02
Facility Remediation			02 80
Asbestos Remediation			02 82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0014 LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	29.55 8.28	
02 82 33 00-0015 LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	22.65 6.21	
02 82 33 00-0016 LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	19.96 5.40	
02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal ⁽⁰²⁾ 82 33 00-0002 See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0018 SET Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	1,309.84 375.36	
02 82 33 00-0019 LF >20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	68.01 19.62	
02 82 33 00-0020 LF >250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	51.66 14.72	
02 82 33 00-0021 LF >500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	39.40 11.04	
02 82 33 00-0022 LF >2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	30.19 8.27	
02 82 33 00-0023 LF >10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	26.60 7.20	
02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal ⁽⁰²⁾ 82 33 00-0002 See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0025 SET Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	1,329.40 375.36	
02 82 33 00-0026 LF >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	93.52 26.98	
02 82 33 00-0027 LF >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	71.02 20.23	
02 82 33 00-0028 LF >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	54.16 15.17	
02 82 33 00-0029 LF >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	41.50 11.38	
02 82 33 00-0030 LF >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	36.57 9.90	
02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0032 SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	813.39 242.26	
02 82 33 00-0033 LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	136.55 40.38	
02 82 33 00-0034 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	54.21 15.68	
02 82 33 00-0035 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	41.13 11.75	
02 82 33 00-0036 LF >500 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.34 8.81	
02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal ^(02 82 33)		
02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0037)		
02 82 33 00-0039 SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	1,260.97	
02 82 33 00-0040 SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	51.96	
02 82 33 00-0041 SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	42.90	
02 82 33 00-0042 SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	34.49	
02 82 33 00-0043 SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	28.20	
02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0037)		
02 82 33 00-0045 SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	1,256.08	
02 82 33 00-0046 SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	45.65	
02 82 33 00-0047 SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	36.58	
02 82 33 00-0048 SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	28.18	
02 82 33 00-0049 SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	21.88	
02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0037)		
02 82 33 00-0051 SET Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	1,254.45	
02 82 33 00-0052 SF >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	40.48	
02 82 33 00-0053 SF >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	31.42	
02 82 33 00-0054 SF >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	23.01	
02 82 33 00-0055 SF >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	16.71	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0056	Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0037)			
	Note: e.g., duct, boiler, tank, etc.			
02 82 33 00-0057	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,263.41	
02 82 33 00-0058	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	43.14	
02 82 33 00-0059	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	34.08	
02 82 33 00-0060	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	25.68	
02 82 33 00-0061	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	19.39	
02 82 33 00-0062	Surfacing Material, Asbestos Abatement And Disposal (02 82 33)			
02 82 33 00-0063	Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0062)			
	Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0065 for areas > 1 SF see CSI section.			
02 82 33 00-0064	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal.....	209.02	
	Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.			
02 82 33 00-0065	Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0062)			
	Note: Exposed surface area, includes associated overspray.			
02 82 33 00-0066	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,263.41	
02 82 33 00-0067	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	51.66	
02 82 33 00-0068	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	38.86	
02 82 33 00-0069	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	29.27	
02 82 33 00-0070	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	22.08	
02 82 33 00-0071	Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0062)			
	Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.			
02 82 33 00-0072	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,259.34	
02 82 33 00-0073	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	21.70	
02 82 33 00-0074	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	16.49	
02 82 33 00-0075	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.32	
02 82 33 00-0076	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.20	
02 82 33 00-0077	Plywood, Asbestos Abatement And Disposal (02 82 33 00-0062)			
02 82 33 00-0078	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,264.23	
02 82 33 00-0079	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	18.05	
02 82 33 00-0080	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	8.86	
02 82 33 00-0081	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	6.09	
02 82 33 00-0082	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal.....	5.23	
02 82 33 00-0083	Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)			
02 82 33 00-0084	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0083)			
02 82 33 00-0085	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,267.48	
02 82 33 00-0086	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	7.56	
02 82 33 00-0087	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.95	
02 82 33 00-0088	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.19	
02 82 33 00-0089	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.80	
02 82 33 00-0090	Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0083)			
02 82 33 00-0091	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,062.21	
02 82 33 00-0092	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	44.61	
02 82 33 00-0093	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	33.95	
02 82 33 00-0094	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.95	
02 82 33 00-0095	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.96	
02 82 33 00-0096	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.46	
02 82 33 00-0097	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	15.14	
02 82 33 00-0098	Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0083)			
02 82 33 00-0099	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,278.81	
	Note: Single or first of multiple layers.			
02 82 33 00-0100	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	6.83	
	Note: Single or first of multiple layers.			
02 82 33 00-0101	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	5.49	
	Note: Single or first of multiple layers.			
02 82 33 00-0102	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	4.42	
	Note: Single or first of multiple layers.			
02 82 33 00-0103	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.36	
	Note: Single or first of multiple layers.			



Existing Conditions	02	02
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0104 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.56	
02 82 33 00-0105 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0106 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0105)		
02 82 33 00-0107 SET Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... For Work In Restricted Working Space, Add	853.68 250.24	
02 82 33 00-0108 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	84.90 24.88	
02 82 33 00-0109 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	57.26 16.59	
02 82 33 00-0110 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	43.49 12.46	
02 82 33 00-0111 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	35.14 9.95	
02 82 33 00-0112 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... For Work In Restricted Working Space, Add	30.16 8.46	
02 82 33 00-0113 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... For Work In Restricted Working Space, Add	27.34 7.61	
02 82 33 00-0114 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0115 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0114)		
02 82 33 00-0116 SET Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	425.86	
02 82 33 00-0117 EA >1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	158.94	
02 82 33 00-0118 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	143.93	
02 82 33 00-0119 Grout, Asbestos Abatement And Disposal (02 82 33 00-0114)		
Note: e.g. flue grout.		
02 82 33 00-0120 SET Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	417.33	
02 82 33 00-0121 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal	16.45	
02 82 33 00-0122 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal	11.33	
02 82 33 00-0123 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.71	
02 82 33 00-0124 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.35	
02 82 33 00-0125 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.20	
02 82 33 00-0126 LF >2,500 LF, Grout, Asbestos Abatement And Disposal	6.17	
02 82 33 00-0127 Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0114)		
Note: e.g. rope, web cloth, flat.		
02 82 33 00-0128 SET Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	417.47	
02 82 33 00-0129 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	22.16	
02 82 33 00-0130 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	16.63	
02 82 33 00-0131 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	14.17	
02 82 33 00-0132 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	12.76	
02 82 33 00-0133 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.47	
02 82 33 00-0134 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.91	
02 82 33 00-0135 Caulking, Asbestos Abatement And Disposal (02 82 33 00-0114)		
02 82 33 00-0136 Non-Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0135)		
02 82 33 00-0137 SET Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	417.33	
02 82 33 00-0138 LF >10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	12.33	
02 82 33 00-0139 LF >50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	8.70	
02 82 33 00-0140 LF >100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	6.48	
02 82 33 00-0141 LF >250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	4.88	
02 82 33 00-0142 LF >1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	3.86	
02 82 33 00-0143 LF >2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.35	
02 82 33 00-0144 Exterior Caulking, Asbestos Abatement And Disposal (02 82 33 00-0135)		
02 82 33 00-0145 SET Up To 10 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	417.14	
02 82 33 00-0146 LF >10 To 50 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	7.41	
02 82 33 00-0147 LF >50 To 100 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	5.23	
02 82 33 00-0148 LF >100 To 250 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	3.91	
02 82 33 00-0149 LF >250 To 1,000 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	2.94	
02 82 33 00-0150 LF >1,000 To 2,500 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	2.33	
02 82 33 00-0151 LF >2,500 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	2.03	
02 82 33 00-0152 Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0114)		
02 82 33 00-0153 SET Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	417.33	
02 82 33 00-0154 LF >10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	16.45	
02 82 33 00-0155 LF >50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	11.33	
02 82 33 00-0156 LF >100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	9.71	
02 82 33 00-0157 LF >250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	8.35	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-0158 LF >1,000 LF, Window Putty, Asbestos Abatement And Disposal.....7.20

02 82 33 00-0159 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0114)

02 82 33 00-0160 SET Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....871.67
02 82 33 00-0161 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 84.02
02 82 33 00-0162 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 59.14
02 82 33 00-0163 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 46.75
02 82 33 00-0164 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 39.24
02 82 33 00-0165 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 34.76
02 82 33 00-0166 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 32.22

02 82 33 00-0167 Bearing Pads, Asbestos Abatement And Disposal (02 82 33 00-0114)

02 82 33 00-0168 SET Up To 10 EA, Bearing Pads, Asbestos Abatement And Disposal.....417.88
02 82 33 00-0169 EA >10 To 20 EA, Bearing Pads, Asbestos Abatement And Disposal 27.71
02 82 33 00-0170 EA >20 To 35 EA, Bearing Pads, Asbestos Abatement And Disposal 17.80
02 82 33 00-0171 EA >35 To 50 EA, Bearing Pads, Asbestos Abatement And Disposal 15.98
02 82 33 00-0172 EA >50 EA, Bearing Pads, Asbestos Abatement And Disposal 14.36

02 83 Lead Remediation (02 80)

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0043 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting for containment construction, 02 89 00 00-0009 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation (02 83)

02 83 19 13 Lead-Based Paint Abatement (02 83 19)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0043 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting.

02 83 19 13-0001 Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)

02 83 19 13-0002 EA Minimum Show Up Charge For Lead-Based Paint Remediation 1,274.43
Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.

02 83 19 13-0003 Lead Sampling And Testing (02 83 19 13)

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.

02 83 19 13-0004 HR Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring 94.02
02 83 19 13-0005 EA X-Ray Fluorescence (XRF) Lead Testing 74.96
Note: Including Technician, 3 Readings Per Surface And Lab Fee
02 83 19 13-0006 EA 5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee 71.76
02 83 19 13-0007 EA 48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee 108.72
02 83 19 13-0008 EA 24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee 152.21
02 83 19 13-0009 EA 5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee 28.27
02 83 19 13-0010 EA 24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee 43.49
02 83 19 13-0011 EA 8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee 54.36
02 83 19 13-0012 EA 5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee 71.76
02 83 19 13-0013 EA 3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee 108.72
02 83 19 13-0014 EA 5 Day Turnaround Lead Wipe Samples And Lab Fee 11.96
02 83 19 13-0015 EA 24 Hour Turnaround Lead Wipe Samples And Lab Fee 16.31
02 83 19 13-0016 EA 8 Hour Turnaround Lead Wipe Samples And Lab Fee 23.92
02 83 19 13-0017 EA 5 Day Turnaround Lead Air Samples And Lab Fee 11.96
02 83 19 13-0018 EA 24 Hour Turnaround Lead Air Samples And Lab Fee 16.31
02 83 19 13-0019 EA 8 Hour Turnaround Lead Air Samples And Lab Fee 23.92
02 83 19 13-0020 EA 5 Day Turnaround Lead Water Test and Lab Fee 43.49
02 83 19 13-0021 EA 24 Hour Turnaround Lead Water Test and Lab Fee 65.23
02 83 19 13-0022 EA 8 Hour Turnaround Lead Water Test and Lab Fee 86.98
02 83 19 13-0023 EA 5 Day Turnaround Lead Paint Chip Test and Lab Fee 44.97
02 83 19 13-0024 EA 5 Day Turnaround Lead Soil Test and Lab Fee 89.95

02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0026 SF Balustrades, Chemical Stripping Of Lead Contaminated Material 36.07
For 0.025" (25 mil) Application, Add 2.05
For 0.03" (30 mil) Application, Add 3.24
02 83 19 13-0027 SF Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material 53.49
For 0.025" (25 mil) Application, Add 2.92
For 0.03" (30 mil) Application, Add 4.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0028 SF Wood Floors, Chemical Stripping Of Lead Contaminated Material.....	8.58	
For 0.025" (25 mil) Application, Add	0.63	
For 0.03" (30 mil) Application, Add	1.07	
02 83 19 13-0029 SF HVAC Grilles, Chemical Stripping Of Lead Contaminated Material.....	32.22	
For 0.025" (25 mil) Application, Add	1.81	
For 0.03" (30 mil) Application, Add	2.84	
02 83 19 13-0030 SF HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material.....	38.42	
For 0.025" (25 mil) Application, Add	2.12	
For 0.03" (30 mil) Application, Add	3.31	
02 83 19 13-0031 EA Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material.....	24.89	
For 0.025" (25 mil) Application, Add	1.54	
For 0.03" (30 mil) Application, Add	2.50	
For 0.125" (125 mil) Application, Add	15.22	
02 83 19 13-0032 LF >2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	11.15	
For 0.025" (25 mil) Application, Add	0.71	
For 0.03" (30 mil) Application, Add	1.16	
For 0.125" (125 mil) Application, Add	7.29	
02 83 19 13-0033 LF >4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	19.96	
For 0.025" (25 mil) Application, Add	1.25	
For 0.03" (30 mil) Application, Add	2.03	
For 0.125" (125 mil) Application, Add	12.49	
02 83 19 13-0034 LF >8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	27.34	
For 0.025" (25 mil) Application, Add	1.67	
For 0.03" (30 mil) Application, Add	2.69	
For 0.125" (125 mil) Application, Add	15.84	
02 83 19 13-0035 LF >12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	49.03	
For 0.025" (25 mil) Application, Add	2.90	
For 0.03" (30 mil) Application, Add	4.63	
For 0.125" (125 mil) Application, Add	25.76	
02 83 19 13-0036 SF >16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area.....	14.64	
For 0.025" (25 mil) Application, Add	0.84	
For 0.03" (30 mil) Application, Add	1.33	
For 0.125" (125 mil) Application, Add	6.90	
02 83 19 13-0037 EA Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material.....	291.08	
For 0.025" (25 mil) Application, Add	16.01	
For 0.03" (30 mil) Application, Add	24.92	
02 83 19 13-0038 SF Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material.....	11.23	
For 0.025" (25 mil) Application, Add	0.76	
For 0.03" (30 mil) Application, Add	1.27	
For 0.125" (125 mil) Application, Add	8.81	
02 83 19 13-0039 SF Corrugated Steel, Chemical Stripping Of Lead Contaminated Material.....	12.75	
For 0.025" (25 mil) Application, Add	0.84	
For 0.03" (30 mil) Application, Add	1.38	
For 0.125" (125 mil) Application, Add	9.19	
02 83 19 13-0040 SF Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material.....	12.72	
For 0.025" (25 mil) Application, Add	0.84	
For 0.03" (30 mil) Application, Add	1.38	
For 0.125" (125 mil) Application, Add	9.18	
02 83 19 13-0041 SF Metal Stairs, Chemical Stripping Of Lead Contaminated Material.....	58.42	
For 0.025" (25 mil) Application, Add	3.32	
For 0.03" (30 mil) Application, Add	5.23	
For 0.125" (125 mil) Application, Add	26.61	
02 83 19 13-0042 LF Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material.....	10.15	
For 0.025" (25 mil) Application, Add	0.66	
For 0.03" (30 mil) Application, Add	1.08	
For 0.125" (125 mil) Application, Add	7.04	
02 83 19 13-0043 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material.....	29.72	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
For 0.025" (25 mil) Application, Add	1.79	
For 0.03" (30 mil) Application, Add	2.87	
For 0.125" (125 mil) Application, Add	16.43	
02 83 19 13-0044 SF Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material.....	32.47	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
For 0.025" (25 mil) Application, Add	1.87	
For 0.03" (30 mil) Application, Add	2.97	
For 0.125" (125 mil) Application, Add	15.62	
02 83 19 13-0045 Demolish Lead Contaminated Material (02 83 19 13)		
Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0046 SF Demolish Brick, Lead Contaminated Material.....	4.47	
02 83 19 13-0047 SF Demolish Concrete Block, Lead Contaminated Material.....	5.76	
02 83 19 13-0048 SF Demolish Up To 6" Concrete, Lead Contaminated Material.....	6.52	
02 83 19 13-0049 IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	5.08	
02 83 19 13-0050 IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	6.77	
02 83 19 13-0051 LF Demolish Wood Balustrades And Railings, Lead Contaminated Material.....	7.42	
02 83 19 13-0052 SF Demolish Concrete, Lead Contaminated Material.....	14.77	
02 83 19 13-0053 LF Demolish Cabinets, Lead Contaminated Material.....	34.39	
02 83 19 13-0054 SF Demolish Grilles, Lead Contaminated Material.....	4.14	
02 83 19 13-0055 EA Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....	17.89	
02 83 19 13-0056 LF Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	7.34	
02 83 19 13-0057 LF Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	10.70	
02 83 19 13-0058 LF Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	16.17	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0059 LF Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	29.82	
02 83 19 13-0060 EA Demolish Radiators, Lead Contaminated Material.....	128.79	
02 83 19 13-0061 SF Demolish Siding, Lead Contaminated Material.....	1.99	
02 83 19 13-0062 SF Demolish Flat Steel Surfaces, Lead Contaminated Material.....	4.64	
02 83 19 13-0063 SF Demolish Steel Beams, Lead Contaminated Material.....	5.47	
02 83 19 13-0064 SF Demolish Trusses, Lead Contaminated Material.....	7.17	
02 83 19 13-0065 SF Demolish Metal Stair, Lead Contaminated Material.....	8.53	
02 83 19 13-0066 LF Demolish Single Metal Hand Rail, Lead Contaminated Material.....	6.27	
02 83 19 13-0067 LF Demolish Metal Railing And Posts, Lead Contaminated Material.....	10.23	
02 83 19 13-0068 SF Demolish Metal Picket Fence, Lead Contaminated Material.....	2.81	
02 83 19 13-0069 SF Demolish Plywood, Lead Contaminated Material.....	7.70	
02 83 19 13-0070 SF Demolish Planks (Various Sizes), Lead Contaminated Material.....	3.76	
02 83 19 13-0071 EA Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	23.50	
02 83 19 13-0072 LF Demolish Metal Guard Rails, Lead Contaminated Material.....	14.10	
02 83 19 13-0073 Wet Sanding/Light Scraping Of Lead Contaminated Material (02 83 19 13)		
Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0074 SF Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	3.58	
02 83 19 13-0075 Lead Abatement Encapsulation (02 83 19 13)		
Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0076 SF Balustrades, Lead Abatement Encapsulation.....	6.53	
02 83 19 13-0077 SF Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	4.20	
02 83 19 13-0078 SF Columns, Lead Abatement Encapsulation.....	5.07	
02 83 19 13-0079 SF Picket Fence (Brush), Lead Abatement Encapsulation.....	3.04	
02 83 19 13-0080 SF Wood Floors (Roller), Lead Abatement Encapsulation.....	2.54	
02 83 19 13-0081 SF Grilles, Vents, Lead Abatement Encapsulation.....	7.03	
02 83 19 13-0082 EA Hangers, Lead Abatement Encapsulation.....	55.35	
02 83 19 13-0083 LF Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.96	
02 83 19 13-0084 LF >4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	5.72	
02 83 19 13-0085 LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	8.88	
02 83 19 13-0086 LF >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	13.10	
02 83 19 13-0087 SF Siding, Lead Abatement Encapsulation.....	3.62	
02 83 19 13-0088 SF Steel, Flat Surfaces And Tanks Up To 12", Lead Abatement Encapsulation.....	4.20	
02 83 19 13-0089 SF Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	5.48	
02 83 19 13-0090 SF Trusses, Lead Abatement Encapsulation.....	5.48	
02 83 33 Removal and Disposal of Material Containing Lead (02 83)		
02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)		
02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)		
02 83 33 13-0002 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.31	
02 83 33 13-0003 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate.....	0.30	
02 83 33 13-0004 SF High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting.....	1.49	
02 86 Hazardous Waste Drum Handling (02 80)		
02 86 00 00-0001 Hazardous Waste Packaging (02 86)		
02 86 00 00-0002 Overpacks (02 86 00 00-0001)		
02 86 00 00-0003 Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)		
02 86 00 00-0004 EA 110 Gallon, 30" Diameter X 41" High.....	454.96	
02 86 00 00-0005 EA 85 Gallon, 26" Diameter X 38" High.....	258.98	
02 86 00 00-0006 EA 83 Gallon, 26" Diameter X 36" High.....	249.95	
02 86 00 00-0007 EA 55 Gallon, DOT 17C, 18" Diameter X 34" High.....	156.38	
02 86 00 00-0008 EA 30 Gallon, DOT 17C, 18" Diameter X 28" High.....	123.19	
02 86 00 00-0009 EA 22 Gallon, 16" Diameter X 25" High.....	83.00	
02 86 00 00-0010 EA 15 Gallon, DOT 17C, 14" Diameter X 24" High.....	75.04	
02 86 00 00-0011 EA 10 Gallon, 13.8" Diameter X 15" High.....	66.13	
02 86 00 00-0012 Polyethylene Overpacks (02 86 00 00-0002)		
02 86 00 00-0013 EA 95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High.....	513.90	
02 86 00 00-0014 EA 20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High.....	94.97	
02 86 00 00-0015 EA 85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High.....	465.01	
02 86 00 00-0016 Composite Overpacks (02 86 00 00-0002)		
02 86 00 00-0017 EA 55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	252.34	
02 86 00 00-0018 EA 55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums.....	346.28	
02 86 00 00-0019 EA 85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums.....	469.69	



Existing Conditions		02
Facility Remediation		02 80
Hazardous Waste Drum Handling		02 86

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0020 DOT E-9168 Exempt Packaging (02 86 00 00-0002)		
02 86 00 00-0021 EA 32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	49.65	
02 86 00 00-0022 EA 950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	52.38	
02 86 00 00-0023 EA 500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	51.21	
02 86 00 00-0024 EA 250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	25.36	
02 86 00 00-0025 EA Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	13.52	
02 86 00 00-0026 EA 16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	8.16	
02 86 00 00-0027 EA 32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	10.61	
02 86 00 00-0028 Steel Drums (02 86 00 00-0001)		
02 86 00 00-0029 UN Rated Steel Drums (02 86 00 00-0028)		
02 86 00 00-0030 EA UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	136.51	
02 86 00 00-0031 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	1,380.00	
02 86 00 00-0032 EA 8 Gallon, 17C, Open, Steel Drum	84.73	
02 86 00 00-0033 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	1,113.58	
02 86 00 00-0034 EA 55 Gallon Reconditioned Steel 17h Drum (50+)	82.89	
02 86 00 00-0035 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	1,092.62	
02 86 00 00-0036 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,598.52	
02 86 00 00-0037 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	1,308.15	
02 86 00 00-0038 EA UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	129.02	
02 86 00 00-0039 EA UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	104.62	
02 86 00 00-0040 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	1,445.85	
02 86 00 00-0041 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,568.59	
02 86 00 00-0042 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	984.86	
02 86 00 00-0043 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	1,412.93	
02 86 00 00-0044 EA UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	82.45	
02 86 00 00-0045 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	1,418.91	
02 86 00 00-0046 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	927.98	
02 86 00 00-0047 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	892.06	
02 86 00 00-0048 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,508.72	
02 86 00 00-0049 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	1,278.22	
02 86 00 00-0050 EA UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	95.57	
02 86 00 00-0051 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	1,212.36	
02 86 00 00-0052 EA UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	81.24	
02 86 00 00-0053 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,472.80	
02 86 00 00-0054 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	853.14	
02 86 00 00-0055 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	823.21	
02 86 00 00-0056 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,445.85	
02 86 00 00-0057 EA 30 Gallon, 17E, Open, Steel Drum	58.94	
02 86 00 00-0058 EA 55 Gallon Reconditioned Steel 17h Drum (1-9)	121.57	
02 86 00 00-0059 EA 20 Gallon, 17C, Open, Steel Drum	82.83	
02 86 00 00-0060 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	1,302.17	
02 86 00 00-0061 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,559.61	
02 86 00 00-0062 EA 55 Gallon Reconditioned Steel 17h Drum (10-24)	107.75	
02 86 00 00-0063 EA 55 Gallon Reconditioned Steel 17h Drum (25-49)	93.94	
02 86 00 00-0064 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	1,140.52	
02 86 00 00-0065 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,529.67	
02 86 00 00-0066 EA 20 Gallon, 17E, Open, Steel Drum	55.75	
02 86 00 00-0067 Plastic Drums (02 86 00 00-0001)		
02 86 00 00-0068 Polyethylene Closed Head Drums (02 86 00 00-0067)		
Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069 EA 55 Gallon Polyethylene Closed Head Drums	85.70	
02 86 00 00-0070 EA 35 Gallon Polyethylene Closed Head Drums	65.79	
02 86 00 00-0071 EA 30 Gallon Polyethylene Closed Head Drums	59.73	
02 86 00 00-0072 EA 20 Gallon Polyethylene Closed Head Drums	41.73	
02 86 00 00-0073 EA 15 Gallon Polyethylene Closed Head Drums	40.94	
02 86 00 00-0074 Polyethylene Open Head Drums (02 86 00 00-0067)		
Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075 EA 55 Gallon Polyethylene Open Head Drums	108.31	
02 86 00 00-0076 EA 35 Gallon Polyethylene Open Head Drums	79.64	
02 86 00 00-0077 EA 30 Gallon Polyethylene Open Head Drums	75.66	
02 86 00 00-0078 EA 20 Gallon Polyethylene Open Head Drums	55.75	
02 86 00 00-0079 EA 15 Gallon Polyethylene Open Head Drums	47.79	
02 86 00 00-0080 Fiber Drums (02 86 00 00-0001)		
02 86 00 00-0081 Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)		
Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082 EA 30 Gallon Fiber Drum DOT-21C (1-9)	65.63	
02 86 00 00-0083 EA 30 Gallon Fiber Drum DOT-21C (10-24)	61.48	
02 86 00 00-0084 EA 30 Gallon Fiber Drum DOT-21C (25-49)	56.07	
02 86 00 00-0085 EA 30 Gallon Fiber Drum DOT-21C (50+)	55.43	
02 86 00 00-0086 EA 55 Gallon Fiber Drum DOT-21C (1-9)	67.54	

02 Existing Conditions**02 80 Facility Remediation****02 86 Hazardous Waste Drum Handling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0087 EA 55 Gallon Fiber Drum DOT-21C (10-24).....	63.71	
02 86 00 00-0088 EA 55 Gallon Fiber Drum DOT-21C (25-49).....	58.94	
02 86 00 00-0089 EA 55 Gallon Fiber Drum DOT-21C (50-99).....	57.02	
02 86 00 00-0090 EA 55 Gallon Fiber Drum DOT-21C (100+).....	49.38	
02 86 00 00-0091 EA 10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	42.05	
02 86 00 00-0092 EA 20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	45.87	
02 86 00 00-0093 EA 20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	53.52	
02 86 00 00-0094 Loading Hazardous Waste For Shipment (02 86 00 00-0001)		
02 86 00 00-0095 EA Load Drums On Disposal Truck.....	12.05	
02 86 00 00-0096 EA Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	1,259.32	
02 86 00 00-0097 Transport Drums To Landfill (02 86 00 00-0001)		
Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098 EA Transport Drum To Landfill	102.29	
Note: Includes transportation for up to 25 miles.		
02 87 Bio-Hazard Material Remediation (02 80)		
02 87 13 Mold Remediation (02 87)		
Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, cleanup, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0043 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting for containment construction, 02 89 00 00-0009 for decontamination chambers.		
02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)		
02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)		
Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)		
Note: Diameter is outer size of insulation.		
02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
Note: Excludes encased fittings.		
02 87 13 33-0004 SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	843.91	
02 87 13 33-0005 LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	32.75	
02 87 13 33-0006 LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.68	
02 87 13 33-0007 LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	18.64	
02 87 13 33-0008 LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.10	
02 87 13 33-0009 LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	12.32	
02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
02 87 13 33-0011 SET Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	873.23	
02 87 13 33-0012 LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	39.05	
02 87 13 33-0013 LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.77	
02 87 13 33-0014 LF >500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.82	
02 87 13 33-0015 LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	17.61	
02 87 13 33-0016 LF >10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.57	
02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)		
02 87 13 33-0019 SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	858.57	
02 87 13 33-0020 SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	19.02	
02 87 13 33-0021 SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.40	
02 87 13 33-0022 SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	10.92	
02 87 13 33-0023 SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.48	
02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal (02 87 13 33)		
Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025 Stucco, Mold Abatement And Disposal (02 87 13 33-0024)		
Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026 SET Up To 50 SF, Stucco, Mold Abatement And Disposal	850.43	
02 87 13 33-0027 SF >50 To 500 SF, Stucco, Mold Abatement And Disposal	18.86	
02 87 13 33-0028 SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal	14.24	
02 87 13 33-0029 SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.76	
02 87 13 33-0030 SF >10,000 SF, Stucco, Mold Abatement And Disposal	8.17	



Existing Conditions		02
Facility Remediation		02 80
Bio-Hazard Material Remediation		02 87

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0031 Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024) Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0032 SET Up To 50 SF, Fireproofing, Mold Abatement And Disposal	858.57	
02 87 13 33-0033 SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal	26.04	
02 87 13 33-0034 SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	19.67	
02 87 13 33-0035 SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	14.88	
02 87 13 33-0036 SF >10,000 SF, Fireproofing, Mold Abatement And Disposal	11.28	
02 87 13 33-0037 Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0038 Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0037)		
02 87 13 33-0039 SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	866.72	
02 87 13 33-0040 SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.78	
02 87 13 33-0041 SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.41	
02 87 13 33-0042 SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.66	
02 87 13 33-0043 SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.31	
02 87 13 33-0044 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0045 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0044)		
02 87 13 33-0046 SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	873.23	
02 87 13 33-0047 CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	30.81	
02 87 13 33-0048 CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	21.20	
02 87 13 33-0049 CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	16.38	
02 87 13 33-0050 CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.50	
02 87 13 33-0051 CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.26	
02 87 13 33-0052 CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.62	
02 87 13 33-0053 Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0054 Caulking, Mold Abatement And Disposal (02 87 13 33-0053)		
02 87 13 33-0055 SET Up To 20 LF, Caulking, Mold Abatement And Disposal	209.07	
02 87 13 33-0056 LF >20 To 50 LF, Caulking, Mold Abatement And Disposal	4.20	
02 87 13 33-0057 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal	3.01	
02 87 13 33-0058 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal	2.28	
02 87 13 33-0059 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.70	
02 87 13 33-0060 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.38	
02 87 13 33-0061 LF >2,500 LF, Caulking, Mold Abatement And Disposal	1.18	
02 87 13 33-0062 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0053)		
02 87 13 33-0063 CSF Wipe Down Floors With Mild Bleach Solution	23.18	
For >25 To 50, Deduct	-2.32	
For >50 To 200, Deduct	-5.79	
For >200, Deduct	-9.27	
02 87 13 33-0064 CSF Wipe Down Walls With Mild Bleach Solution	27.27	
For >25 To 50, Deduct	-2.73	
For >50 To 200, Deduct	-6.82	
For >200, Deduct	-10.90	
02 87 13 33-0065 CSF Wipe Down Ceilings With Mild Bleach Solution	31.02	
For >25 To 50, Deduct	-3.10	
For >50 To 200, Deduct	-7.75	
For >200, Deduct	-12.40	
02 87 13 33-0066 CSF Wipe Down Countertops With Mild Bleach Solution	25.28	
For >25 To 50, Deduct	-2.53	
02 87 13 33-0067 CSF Wipe Down Other Surfaces With Mild Bleach Solution	32.10	
For >25 To 50, Deduct	-3.21	
For >50 To 200, Deduct	-8.02	
For >200, Deduct	-12.84	
02 87 16 Excrement Removal (02 87)		
Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, cleanup, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
02 87 16 13 Bird Excrement Removal (02 87 16)		
02 87 16 13-0001 Bird Waste Removal (02 87 16 13)		
Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002 EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness	834.13	
For Work In Restricted Working Space, Add	250.24	
02 87 16 13-0003 SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness	13.91	
For Work In Restricted Working Space, Add	4.17	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 16 13-0004 SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	12.64	
<i>For Work In Restricted Working Space, Add</i>	3.79	
02 87 16 13-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.49	
<i>For Work In Restricted Working Space, Add</i>	3.45	
02 87 16 13-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness.....	10.45	
<i>For Work In Restricted Working Space, Add</i>	3.14	

02 89 Hazmat Ancillary Tasks and Support (02 89)**02 89 00 00-0001 Barriers And Protection** (02 89)

Note: Includes removal and disposal after use.

02 89 00 00-0002 Hazmat Containment Construction Plastic Sheeting (02 89 00 00-0001)

02 89 00 00-0003 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.51
02 89 00 00-0004 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.67
02 89 00 00-0005 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.90
02 89 00 00-0006 SF 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.79
02 89 00 00-0007 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	1.00
02 89 00 00-0008 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.31

02 89 00 00-0009 Decontamination Chambers (02 89)

Note: Includes removal after use.

02 89 00 00-0010 EA 3 Stage Portable Personnel Decontamination Wash Facility	1,088.28
Note: Includes connection to negative air system.	
02 89 00 00-0011 EA 5 Stage Portable Personnel Decontamination Wash Facility	1,283.73
Note: Includes connection to negative air system.	
02 89 00 00-0012 EA Portable Waste Decontamination Unit	673.01
Note: Includes connection to negative air system.	
<i>For Dismantling And Relocation To A Different Area, Add</i>	442.47

END OF SECTION 02



Concrete		03
Maintenance of Concrete		03 01
Maintenance of Cast-In-Place Concrete		03 01 30

CS

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete⁽⁰³⁾

03 01 30 Maintenance of Cast-In-Place Concrete^(03 01)

03 01 30 51 Cleaning of Cast-In-Place Concrete^(03 01 30)

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001 Abrasive Blasting^(03 01 30 51)

Note: Includes containment and cleanup of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting.....	3.97
		For Up To 100, Add	3.36
		For >100 To 250, Add	0.84
		For >250 To 500, Add	0.42
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000, Deduct	-0.17
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting.....	5.64
		For Up To 100, Add	6.70
		For >100 To 250, Add	1.68
		For >250 To 500, Add	0.84
		For >5,000 To 10,000, Deduct	-0.17
		For >10,000, Deduct	-0.34

03 01 30 71 Rehabilitation of Cast-In-Place Concrete^(03 01 30)

03 01 30 71-0001 Concrete Resurfacing/Repair^(03 01 30 71)

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair^(03 01 30 71-0001)

03 01 30 71-0003 Decks Or Floors^(03 01 30 71-0002)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	7.29
03 01 30 71-0005	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	23.05
03 01 30 71-0006	SF	Patch Decks Or Floors With Non-Slip Aggregate, White Aluminum Oxide Grit	0.65

03 01 30 71-0007 Concrete Grinding^(03 01 30 71-0002)

03 01 30 71-0008	SF	Grinding Cured, Warped, Or Rough Concrete Slabs	1.20

Note: Up to 1/8" of material per pass

03 01 30 71-0009 Verticals Or Overheads^(03 01 30 71-0002)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0010	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	10.92
03 01 30 71-0011	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	31.56
03 01 30 71-0012	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	35.53
03 01 30 71-0013	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	9.61
03 01 30 71-0014	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound	16.97

Note: Rapid Set - WunderFixx

03 01 30 71-0015 Circular Piers^(03 01 30 71-0002)

03 01 30 71-0016	SF	Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	13.45
03 01 30 71-0017	SF	Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound	23.12

Note: Rapid Set - WunderFixx

03 01 30 71-0018 Bridge Deck Treatment^(03 01 30 71-0002)

03 01 30 71-0019	SF	Sweep Bridge Deck	0.02
03 01 30 71-0020	SF	Clean Bridge Deck	0.02
03 01 30 71-0021	SF	Treat Bridge Deck With Methacrylate Resin Sealant	2.37

03 01 30 71-0022 Concrete Finishes^(03 01 30 71-0001)

03 01 30 71-0023 Concrete Patching^(03 01 30 71-0022)

03 01 30 71-0024 Walls^(03 01 30 71-0023)

03 01 30 71-0025	BAG	Sika Top 111 Plus.....	182.84
		Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar.	
		Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).	
		For Up To 10, Add	65.81
		For >10 To 25, Add	39.49
		For >25 To 50, Add	26.32
		For >50 To 75, Add	13.16

03 Concrete**03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0026 BAG Sika Grout 212, 50 Lb. Bag.....	126.02	
Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
For Up To 10, Add	41.67	
For >10 To 25, Add	25.00	
For >25 To 50, Add	16.67	
For >50 To 75, Add	8.33	
03 01 30 71-0027 EA Sika Flex 1A, 10.3 Ounce Tube.....	43.73	
Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.		
03 01 30 71-0028 BAG Pea Gravel.....	32.72	
03 01 30 71-0029 Crack Repair For Concrete (03 01 30 71-0001)		
03 01 30 71-0030 Non-Structural Crack Repair For Concrete (03 01 30 71-0029)		
03 01 30 71-0031 Surface Applied, Non-Structural Crack Repair For Concrete (03 01 30 71-0030)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0032 LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	6.74	
For V-Grooving Crack With Grinder, Add	5.38	
03 01 30 71-0033 LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	8.81	
For V-Grooving Crack With Grinder, Add	5.24	
03 01 30 71-0034 LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	6.88	
For V-Grooving Crack With Grinder, Add	5.38	
03 01 30 71-0035 LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	9.10	
For V-Grooving Crack With Grinder, Add	5.24	
03 01 30 71-0036 LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	7.41	
For V-Grooving Crack With Grinder, Add	5.38	
03 01 30 71-0037 LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	10.14	
For V-Grooving Crack With Grinder, Add	5.24	
03 01 30 71-0038 LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	7.79	
For V-Grooving Crack With Grinder, Add	5.38	
03 01 30 71-0039 LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	10.90	
For V-Grooving Crack With Grinder, Add	5.24	
03 01 30 71-0040 Pressure Injected, Non-Structural Crack Repair For Concrete (03 01 30 71-0030)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0041 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	30.78	
For Cracks Accessible From Both Sides, Add	6.27	
03 01 30 71-0042 Structural Crack Repair For Concrete (03 01 30 71-0029)		
03 01 30 71-0043 Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0042)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0044 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	7.88	
For V-Grooving Crack With Grinder, Add	5.38	
03 01 30 71-0045 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	11.10	
For V-Grooving Crack With Grinder, Add	5.24	
03 01 30 71-0046 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	7.68	
For V-Grooving Crack With Grinder, Add	5.38	
03 01 30 71-0047 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	10.69	
For V-Grooving Crack With Grinder, Add	5.24	
03 01 30 71-0048 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	9.38	
For V-Grooving Crack With Grinder, Add	5.38	
03 01 30 71-0049 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	14.09	
For V-Grooving Crack With Grinder, Add	5.24	
03 01 30 71-0050 Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0042)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		



Concrete		03
Maintenance of Concrete		03 01
Maintenance of Cast-In-Place Concrete		03 01 30

CS

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0051 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	26.70	
For Cracks Accessible From Both Sides, Add	6.27	
03 01 30 71-0052 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	26.49	
For Cracks Accessible From Both Sides, Add	6.27	
03 01 30 71-0053 Carbon Fiber Strengthening System (03 01 30 71-0001)		
Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0054 SF Carbon Fiber Strengthening System For Concrete Beams, Per Layer	104.74	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
For >500 To 1,000, Deduct	-6.97	
For >1,000 To 2,500, Deduct	-9.41	
For >2,500, Deduct	-12.20	
03 01 30 71-0055 SF Carbon Fiber Strengthening System For Concrete Columns, Per Layer	93.67	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
For >500 To 1,000, Deduct	-6.14	
For >1,000 To 2,500, Deduct	-8.30	
For >2,500, Deduct	-10.82	
03 01 30 71-0056 SF Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer	87.45	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
For >500 To 1,000, Deduct	-5.67	
For >1,000 To 2,500, Deduct	-7.68	
For >2,500, Deduct	-10.04	
03 01 30 71-0057 SF Carbon Fiber Strengthening System For Concrete Walls, Per Layer.....	83.98	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
For >500 To 1,000, Deduct	-5.41	
For >1,000 To 2,500, Deduct	-7.33	
For >2,500, Deduct	-9.61	
03 01 30 71-0058 SF Carbon Fiber Strengthening System For Concrete Slab, Per Layer	79.13	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
For >500 To 1,000, Deduct	-5.05	
For >1,000 To 2,500, Deduct	-6.85	
For >2,500, Deduct	-9.00	
03 01 30 72 Strengthening Of Cast-in-Place Concrete (03 01 30)		
03 01 30 72-0001 Concrete Surface Repairs (03 01 30 72)		
03 01 30 72-0002 SF Sound The Concrete Surface To Locate Delaminated Areas	0.42	
03 05 Common Work Results For Concrete (03)		
03 05 13 Concrete Admixtures (03 05)		
03 05 13 00-0001 Concrete Admixtures (03 05 13)		
03 05 13 00-0002 CY Low Range Water Reducing (LRWR), Type A Concrete Admixture	8.22	
03 05 13 00-0003 CY Set Retarding, Type B Concrete Admixture	5.69	
03 05 13 00-0004 CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	8.85	
03 05 13 00-0005 CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	17.69	
03 05 13 00-0006 CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	15.80	
03 05 13 00-0007 CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	31.60	
03 05 13 00-0008 CY 1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....	6.82	
03 05 13 00-0009 CY 2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....	13.31	
03 05 13 00-0010 CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	9.48	
03 05 13 00-0011 CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	18.96	
03 05 13 00-0012 CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	6.32	
03 05 13 00-0013 CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	15.17	
03 05 13 00-0014 CY 1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	13.48	
03 05 13 00-0015 CY 1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture.....	20.22	
03 05 13 00-0016 CY 25 Lb./CY Steel Fibers, Concrete Admixture	35.49	
03 05 13 00-0017 CY 10% Microsilica (Silica Fume), Concrete Admixture	101.11	
03 05 13 00-0018 CY Corrosion Inhibiting Concrete Admixture	37.92	
03 05 13 00-0019 CY Winter Service Or Heat, Concrete Add	20.22	
03 05 13 00-0020 CY Chilled Water, Concrete Add	20.22	
03 05 13 00-0021 CY Subtle Color (See Davis Colors Color Card), Concrete Admixture	39.57	
03 05 13 00-0022 CY Standard Color (See Davis Colors Color Card), Concrete Admixture.....	65.94	
03 05 13 00-0023 CY Premium Color (See Davis Colors Color Card), Concrete Admixture	126.61	
03 05 13 00-0024 CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	175.85	
03 05 13 00-0025 CY 15% Fly Ash, Concrete Admixture.....	31.91	
For Each Additional 5% By Volume, Add	10.64	

03 10 Concrete Forming and Accessories (03)

03 11 Concrete Forming (03 10)

03 11 13 Structural Cast-In-Place Concrete Forming (03 11)

Note: Per square foot of formwork.

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0001	Wood Formwork	(03 11 13)		
Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.				
03 11 13 00-0002	Foundation Wood Formwork	(03 11 13 00-0001)		
Note: For foundation work below or at grade.				
03 11 13 00-0003	SF Continuous Footings Foundation Wood Formwork		9.56	
	For <1,000, Add		1.80	
	For Foundations >8' Below Grade, Add		1.74	
	For Curved Formwork, Add		3.47	
03 11 13 00-0004	SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork		11.40	
	For <1,000, Add		2.16	
	For Foundations >8' Below Grade, Add		2.10	
	For Curved Formwork, Add		4.19	
03 11 13 00-0005	SF Mat Foundation Wood Formwork		13.14	
	For <1,000, Add		2.52	
	For Foundations >8' Below Grade, Add		2.47	
	For Curved Formwork, Add		4.94	
03 11 13 00-0006	SF Grade Beams Or Duct Bank Foundation Wood Formwork		10.96	
	For <1,000, Add		2.09	
	For Foundations >8' Below Grade, Add		2.03	
	For Curved Formwork, Add		4.07	
03 11 13 00-0007	SF Below Grade Walls Foundation Wood Formwork		15.57	
Note: Excludes footing				
	For <1,000, Add		2.96	
	For Foundations >8' Below Grade, Add		2.88	
	For Curved Formwork, Add		5.75	
03 11 13 00-0008	Slab Edge And Block-Out Wood Formwork	(03 11 13 00-0001)		
03 11 13 00-0009	LF Up To 6" High Slab Edge and Block-Out Wood Formwork		7.41	
	For Foundations >8' Below Grade, Add		1.39	
	For Curved Formwork, Add		2.78	
	For Up To 250, Add		1.42	
03 11 13 00-0010	LF >6" To 12" High Slab Edge and Block-Out Wood Formwork		10.58	
	For Foundations >8' Below Grade, Add		1.93	
	For Curved Formwork, Add		3.87	
	For Up To 250, Add		1.99	
03 11 13 00-0011	SF >12" High Slab Edge and Block-Out Wood Formwork		13.52	
	For Foundations >8' Below Grade, Add		2.50	
	For Curved Formwork, Add		5.00	
	For <1,000, Add		2.57	
03 11 13 00-0012	Column Wood Formwork	(03 11 13 00-0001)		
03 11 13 00-0013	LF Up To 8" Square Column Wood Formwork		57.09	
03 11 13 00-0014	LF >8" To 12" Square Column Wood Formwork		82.77	
03 11 13 00-0015	LF >12" To 18" Square Column Wood Formwork		104.04	
03 11 13 00-0016	LF >18" To 24" Square Column Wood Formwork		149.48	
03 11 13 00-0017	LF >24" To 36" Square Column Wood Formwork		214.53	
03 11 13 00-0018	LF >36" To 48" Square Column Wood Formwork		283.63	
03 11 13 00-0019	Above Grade Wall Wood Formwork	(03 11 13 00-0001)		
03 11 13 00-0020	SF Up To 8' High Above Grade Wall Wood Formwork		17.43	
	For Curved Formwork, Add		6.50	
	For <1,000, Add		3.33	
03 11 13 00-0021	SF >8' High Above Grade Wall Wood Formwork		20.66	
	For Curved Formwork, Add		7.71	
	For <1,000, Add		3.95	
03 11 13 00-0022	Elevated Beam Wood Formwork	(03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.				
03 11 13 00-0023	SF Bottom of Elevated Beam Wood Formwork		22.91	
	For Curved Formwork, Add		8.48	
	For <1,000, Add		4.36	
03 11 13 00-0024	SF Vertical Sides of Elevated Beam Wood Formwork		14.45	
	For Curved Formwork, Add		5.41	
	For <1,000, Add		2.77	
03 11 13 00-0025	Elevated Slab Wood Formwork	(03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.				
03 11 13 00-0026	SF Elevated Slab Wood Formwork		13.47	
	For <1,000, Add		2.49	
03 11 13 00-0027	Metal Framed Formwork	(03 11 13)		
Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.				



		Concrete	03	CS
		Concrete Forming and Accessories	03 10	
		Concrete Forming	03 11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0028		Foundation Metal Framed Formwork (03 11 13 00-0027) Note: For foundation work below or at grade.		
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	9.55	
		For <1,000, Add	1.71	
		For Foundations >8' Below Grade, Add	1.61	
		For Curved Formwork, Add	3.21	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	10.53	
		For <1,000, Add	1.90	
		For Foundations >8' Below Grade, Add	1.80	
		For Curved Formwork, Add	3.59	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	11.89	
		For <1,000, Add	2.12	
		For Foundations >8' Below Grade, Add	1.99	
		For Curved Formwork, Add	3.98	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	10.04	
		For <1,000, Add	1.78	
		For Foundations >8' Below Grade, Add	1.67	
		For Curved Formwork, Add	3.34	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	15.12	
		Note: Excludes footing.		
		For <1,000, Add	2.75	
		For Foundations >8' Below Grade, Add	2.61	
		For Curved Formwork, Add	5.21	
03 11 13 00-0034		Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	6.45	
		For Foundations >8' Below Grade, Add	1.25	
		For Curved Formwork, Add	2.50	
		For <250, Add	1.26	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	8.10	
		For Foundations >8' Below Grade, Add	1.55	
		For Curved Formwork, Add	3.11	
		For <250, Add	1.58	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	8.98	
		For Foundations >8' Below Grade, Add	1.72	
		For Curved Formwork, Add	3.43	
		For <1,000, Add	1.74	
03 11 13 00-0038		Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039		Square Columns (03 11 13 00-0038)		
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	58.88	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	71.40	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	83.95	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	100.17	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	120.81	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	145.31	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	186.61	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	230.52	
03 11 13 00-0048		Round Columns (03 11 13 00-0038)		
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	65.20	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	71.92	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	81.91	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	94.36	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	110.67	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	126.20	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	166.37	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	223.94	
03 11 13 00-0057		Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058	SF	Up To 8' High Above Grade Wall Metal Framed Formwork	9.60	
		For Curved Formwork, Add	3.01	
		For <1,000, Add	1.64	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	11.79	
		For Curved Formwork, Add	3.63	
		For <1,000, Add	2.00	
03 11 13 00-0060		Elevated Beam Metal Framed Formwork (03 11 13 00-0027) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	9.40	
		For Curved Formwork, Add	2.80	
		For <1,000, Add	1.56	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	7.20	
		For Curved Formwork, Add	2.21	
		For <1,000, Add	1.22	

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0063	Elevated Slab Metal Framed Formwork (03 11 13 00-0027)			
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.				
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork.....	12.46	
		For <1,000, Add	1.87	
03 11 13 00-0065	Fiber Tube Formwork (03 11 13)			
Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.				
03 11 13 00-0066	Round Column Fiber Tube Formwork (03 11 13 00-0065)			
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	22.68	
		For Plastic Lined, Add	0.88	
		For Columns >12' In Length, Add	2.27	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	23.97	
		For Plastic Lined, Add	1.04	
		For Columns >12' In Length, Add	2.40	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	26.64	
		For Plastic Lined, Add	1.25	
		For Columns >12' In Length, Add	2.66	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	32.98	
		For Plastic Lined, Add	2.23	
		For Columns >12' In Length, Add	3.30	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	37.05	
		For Plastic Lined, Add	2.82	
		For Columns >12' In Length, Add	3.71	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	40.35	
		For Plastic Lined, Add	3.51	
		For Columns >12' In Length, Add	4.04	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	43.45	
		For Plastic Lined, Add	4.11	
		For Columns >12' In Length, Add	4.35	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	49.48	
		For Plastic Lined, Add	5.58	
		For Columns >12' In Length, Add	4.95	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	51.78	
		For Plastic Lined, Add	5.81	
		For Columns >12' In Length, Add	5.18	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	54.39	
		For Plastic Lined, Add	6.13	
		For Columns >12' In Length, Add	5.44	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	56.63	
		For Plastic Lined, Add	6.62	
		For Columns >12' In Length, Add	5.66	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	58.85	
		For Plastic Lined, Add	7.10	
		For Columns >12' In Length, Add	5.89	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	61.09	
		For Plastic Lined, Add	7.59	
		For Columns >12' In Length, Add	6.11	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	70.56	
		For Plastic Lined, Add	9.76	
		For Columns >12' In Length, Add	7.06	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	110.95	
		For Plastic Lined, Add	21.40	
		For Columns >12' In Length, Add	11.10	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	135.10	
		For Plastic Lined, Add	28.16	
		For Columns >12' In Length, Add	13.51	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	243.37	
		For Plastic Lined, Add	59.87	
		For Columns >12' In Length, Add	24.34	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	271.01	
		For Plastic Lined, Add	67.56	
		For Columns >12' In Length, Add	27.10	
03 11 13 00-0085	Accessories For Formwork (03 11 13)			
03 11 13 00-0086	Keyway Forms, All Materials (03 11 13 00-0085)			
03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.73	
03 11 13 00-0088	Chamfer Strips, All Materials (03 11 13 00-0085)			
03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.89	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.34	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.86	
03 11 13 00-0092	Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)			
03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	13.75	
03 11 13 00-0094	Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)			



		Concrete	03	CS
		Concrete Forming and Accessories	03 10	
		Concrete Forming	03 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0095 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	16.36	
03 11 13 00-0096 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	19.72	
03 11 13 00-0097 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	23.84	
03 11 13 00-0098 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	26.92	
03 11 13 00-0099 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	34.65	
03 11 13 00-0100 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	74.74	
03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 13 Concrete Form Liners (03 11 16)		
03 11 16 13-0001 Concrete Form Liners (03 11 16 13)		
03 11 16 13-0002 SF Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	6.61	
03 11 16 13-0003 SF Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	8.83	
03 11 16 13-0004 SF Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	11.62	
03 11 23 Permanent Stair Forming (03 11)		
03 11 23 00-0001 Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork.....	22.22	
For Curved Formwork, Add	8.58	
For <1,000, Add	4.34	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork.....	44.01	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	16.80	
For <1,000, Add	8.53	
03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork.....	19.23	
For Curved Formwork, Add	7.13	
For <1,000, Add	3.66	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork.....	35.25	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	13.19	
For <1,000, Add	6.75	
03 15 Concrete Accessories (03 10)		
03 15 13 Waterstops (03 15)		
03 15 13 13 Non-Expanding Waterstops (03 15 13)		
03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)		
03 15 13 13-0002 LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	10.58	
03 15 13 13-0003 LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	11.83	
03 15 13 13-0004 LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	14.06	
03 15 13 13-0005 LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	15.36	
03 15 13 13-0006 LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	22.32	
03 15 13 13-0007 LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	11.23	
03 15 13 13-0008 LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	14.18	
03 15 13 13-0009 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	24.24	
03 15 13 13-0010 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	19.46	
03 15 13 13-0011 Rubber Waterstops (03 15 13 13)		
03 15 13 13-0012 LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	11.66	
03 15 13 13-0013 LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	13.25	
03 15 13 13-0014 LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	11.85	
03 15 13 13-0015 LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	15.85	
03 15 13 13-0016 LF 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	13.54	
03 15 13 13-0017 LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	16.98	
03 15 13 16 Expanding Waterstops (03 15 13)		
03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)		
03 15 13 16-0002 LF 3/4" x 3/8" Bentonite Waterstop.....	9.24	
03 15 13 16-0003 LF 1-1/4" x 1/2" Bentonite Waterstop.....	13.94	
03 15 13 16-0004 LF 1" x 3/4" Bentonite Waterstop.....	15.60	
03 15 13 16-0005 LF 1" x 1" Bentonite Waterstop.....	17.54	
03 15 16 Concrete Construction Joints (03 15)		
03 15 16 00-0001 Poured Expansion Joint (03 15 16)		
03 15 16 00-0002 LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	3.41	0.93
For Installation In Walls, Add	1.56	
03 15 16 00-0003 LF 1" x 2" Plain Asphalt Expansion Joint, Poured.....	7.71	0.93
For Installation In Walls, Add	1.75	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0004 LF 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied <i>For Installation In Walls, Add</i>	3.69 1.56	0.93
03 15 16 00-0005 LF 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied <i>For Installation In Walls, Add</i>	8.80 1.75	0.93
03 15 16 00-0006 LF 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts <i>For Installation In Walls, Add</i>	5.32 1.75	0.93
03 15 16 00-0007 LF 1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts <i>For Installation In Walls, Add</i>	9.73 2.84	0.93
03 15 16 00-0008 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied <i>For Installation In Walls, Add</i>	3.80 1.56	0.93
03 15 16 00-0009 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant <i>For Installation In Walls, Add</i>	4.69 1.56	0.93
03 15 16 00-0010 LF 1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant <i>For Installation In Walls, Add</i>	12.31 1.75	0.93
03 15 16 00-0011 Premolded Expansion Joints (03 15 16)		
03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0013 LF 1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.94	1.38
03 15 16 00-0014 LF 1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.35	1.45
03 15 16 00-0015 LF 1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.60	1.51
03 15 16 00-0016 LF 1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.87	1.58
03 15 16 00-0017 LF 3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.18	1.38
03 15 16 00-0018 LF 3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.53	1.45
03 15 16 00-0019 LF 3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.95	1.51
03 15 16 00-0020 LF 3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.53	1.58
03 15 16 00-0021 LF 1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.90	1.31
03 15 16 00-0022 LF 1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.14	1.38
03 15 16 00-0023 LF 1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.44	1.45
03 15 16 00-0024 LF 1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.69	1.51
03 15 16 00-0025 LF 1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.99	1.58
03 15 16 00-0026 LF 1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.40	1.65
03 15 16 00-0027 LF 1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.72	1.72
03 15 16 00-0028 LF 1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.27	1.79
03 15 16 00-0029 LF 3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.46	1.45
03 15 16 00-0030 LF 3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.93	1.51
03 15 16 00-0031 LF 3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.75	1.65
03 15 16 00-0032 SF 1" Asphalt Saturated Fiber, Premolded Expansion Joint	8.07	2.27
03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0034 LF 1/2" x 4" Cork, Premolded Expansion Joint	4.80	1.45
03 15 16 00-0035 LF 1/2" x 6" Cork, Premolded Expansion Joint	5.39	1.58
03 15 16 00-0036 LF 1/2" x 8" Cork, Premolded Expansion Joint	5.83	1.65
03 15 16 00-0037 LF 1/2" x 10" Cork, Premolded Expansion Joint	8.02	1.72
03 15 16 00-0038 LF 1/2" x 12" Cork, Premolded Expansion Joint	8.53	1.79
03 15 16 00-0039 SF 1/2" Cork, Premolded Expansion Joint	9.49	2.27
03 15 16 00-0040 SF 3/4" Cork, Premolded Expansion Joint	10.91	2.27
03 15 16 00-0041 SF 1" Cork, Premolded Expansion Joint	11.56	2.27
03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0043 LF 1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.19	1.45
03 15 16 00-0044 LF 1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.33	1.51
03 15 16 00-0045 LF 1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.51	1.58
03 15 16 00-0046 LF 1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	4.02	1.65
03 15 16 00-0047 LF 1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.27	1.45
03 15 16 00-0048 LF 1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.42	1.51
03 15 16 00-0049 LF 1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.57	1.58
03 15 16 00-0050 LF 1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.89	1.65
03 15 16 00-0051 Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0052 LF 1" Zip Strip, Premolded Expansion Joint	3.22	1.45
03 15 16 00-0053 LF 1-1/2" Zip Strip, Premolded Expansion Joint	3.50	1.51
03 15 16 00-0054 LF 2" Zip Strip, Premolded Expansion Joint	3.88	1.65
03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0056 LF 1/2" x 4" Sponge Rubber, Premolded Expansion Joint	5.15	1.38
03 15 16 00-0057 LF 1/2" x 6" Sponge Rubber, Premolded Expansion Joint	6.18	1.38
03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker (03 15 16)		
03 15 16 00-0059 SF Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker >1,250, Deduct	1.56 -0.08	1.04
03 15 16 00-0060 SF Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker >1,250, Deduct	1.47 -0.07	1.04



		Concrete	03
		Concrete Forming and Accessories	03 10
		Concrete Accessories	03 15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0061		Keyed Cold Expansion And Control Joints (03 15 16)		
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	7.72	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	7.84	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	8.11	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	8.57	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	10.50	
03 15 19		Cast-In Concrete Anchors (03 15)		
03 15 19 00-0001		Cast In Place Anchors (03 15 19) Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002		J-Type Anchor Bolts (03 15 19 00-0001) See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003		1/2" And 5/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.94	
		For Galvanized, Add	3.07	
		For Stainless Steel, Add	21.46	
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.93	
		For >100, Deduct	-1.87	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.23	
		For Galvanized, Add	3.91	
		For Stainless Steel, Add	27.34	
		For >10 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-1.04	
		For >100, Deduct	-2.07	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.88	
		For Galvanized, Add	5.38	
		For Stainless Steel, Add	37.66	
		For >10 To 50, Deduct	-0.46	
		For >50 To 100, Deduct	-1.18	
		For >100, Deduct	-2.36	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.18	
		For Galvanized, Add	7.03	
		For Stainless Steel, Add	49.21	
		For >10 To 50, Deduct	-0.46	
		For >50 To 100, Deduct	-1.26	
		For >100, Deduct	-2.53	
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.72	
		For Galvanized, Add	9.39	
		For Stainless Steel, Add	65.70	
		For >10 To 50, Deduct	-0.50	
		For >50 To 100, Deduct	-1.46	
		For >100, Deduct	-2.93	
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.39	
		For Galvanized, Add	10.73	
		For Stainless Steel, Add	75.08	
		For >10 To 50, Deduct	-0.55	
		For >50 To 100, Deduct	-1.63	
		For >100, Deduct	-3.26	
03 15 19 00-0010		3/4" And 7/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.24	
		For Galvanized, Add	10.65	
		For Stainless Steel, Add	74.55	
		For >10 To 50, Deduct	-0.55	
		For >50 To 100, Deduct	-1.63	
		For >100, Deduct	-3.25	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.98	
		For Galvanized, Add	12.41	
		For Stainless Steel, Add	86.87	
		For >10 To 50, Deduct	-0.61	
		For >50 To 100, Deduct	-1.84	
		For >100, Deduct	-3.67	
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.47	
		For Galvanized, Add	15.90	
		For Stainless Steel, Add	111.27	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-2.16	
		For >100, Deduct	-4.33	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	55.39	
		For Galvanized, Add	20.04	
		For Stainless Steel, Add	140.25	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-2.53	
		For >100, Deduct	-5.07	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0015	EA		7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	42.79	
			For Galvanized, Add	14.56	
			For Stainless Steel, Add	101.89	
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-2.10	
			For >100, Deduct	-4.19	
03 15 19 00-0016	EA		7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.49	
			For Galvanized, Add	17.43	
			For Stainless Steel, Add	122.01	
			For >10 To 50, Deduct	-0.78	
			For >50 To 100, Deduct	-2.43	
			For >100, Deduct	-4.87	
03 15 19 00-0017	EA		7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.69	
			For Galvanized, Add	23.23	
			For Stainless Steel, Add	162.61	
			For >10 To 50, Deduct	-0.91	
			For >50 To 100, Deduct	-2.98	
			For >100, Deduct	-5.97	
03 15 19 00-0018 1" And 1-1/8" Diameter (03 15 19 00-0002)					
03 15 19 00-0019	EA		1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.28	
			For Galvanized, Add	18.83	
			For Stainless Steel, Add	131.78	
			For >10 To 50, Deduct	-0.78	
			For >50 To 100, Deduct	-2.50	
			For >100, Deduct	-5.01	
03 15 19 00-0020	EA		1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	63.54	
			For Galvanized, Add	22.66	
			For Stainless Steel, Add	158.59	
			For >10 To 50, Deduct	-0.91	
			For >50 To 100, Deduct	-2.96	
			For >100, Deduct	-5.91	
03 15 19 00-0021	EA		1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	78.69	
			For Galvanized, Add	28.41	
			For Stainless Steel, Add	198.84	
			For >10 To 50, Deduct	-1.09	
			For >50 To 100, Deduct	-3.61	
			For >100, Deduct	-7.22	
03 15 19 00-0022	EA		1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	96.76	
			For Galvanized, Add	34.71	
			For Stainless Steel, Add	242.94	
			For >10 To 50, Deduct	-1.37	
			For >50 To 100, Deduct	-4.47	
			For >100, Deduct	-8.94	
03 15 19 00-0023	EA		1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.24	
			For Galvanized, Add	23.54	
			For Stainless Steel, Add	164.78	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-2.89	
			For >100, Deduct	-5.79	
03 15 19 00-0024	EA		1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	76.66	
			For Galvanized, Add	28.33	
			For Stainless Steel, Add	198.28	
			For >10 To 50, Deduct	-1.00	
			For >50 To 100, Deduct	-3.42	
			For >100, Deduct	-6.83	
03 15 19 00-0025	EA		1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	95.04	
			For Galvanized, Add	35.51	
			For Stainless Steel, Add	248.57	
			For >10 To 50, Deduct	-1.20	
			For >50 To 100, Deduct	-4.18	
			For >100, Deduct	-8.36	
03 15 19 00-0026	EA		1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	116.79	
			For Galvanized, Add	43.38	
			For Stainless Steel, Add	303.66	
			For >10 To 50, Deduct	-1.50	
			For >50 To 100, Deduct	-5.17	
			For >100, Deduct	-10.34	
03 15 19 00-0027 1-1/4" And 1-1/2" Diameter (03 15 19 00-0002)					
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	77.85	
			For Galvanized, Add	29.42	
			For Stainless Steel, Add	205.94	
			For >10 To 50, Deduct	-0.95	
			For >50 To 100, Deduct	-3.37	
			For >100, Deduct	-6.74	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	92.99	
			For Galvanized, Add	35.42	
			For Stainless Steel, Add	247.91	
			For >10 To 50, Deduct	-1.11	
			For >50 To 100, Deduct	-3.99	
			For >100, Deduct	-7.97	



		Concrete	03	CS
		Concrete Forming and Accessories	03 10	
		Concrete Accessories	03 15	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 15 19 00-0030	EA 1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	115.40		
	For Galvanized, Add	44.40		
	For Stainless Steel, Add	310.77		
	For >10 To 50, Deduct	-1.33		
	For >50 To 100, Deduct	-4.88		
	For >100, Deduct	-9.76		
03 15 19 00-0031	EA 1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	141.69		
	For Galvanized, Add	54.22		
	For Stainless Steel, Add	379.54		
	For >10 To 50, Deduct	-1.66		
	For >50 To 100, Deduct	-6.04		
	For >100, Deduct	-12.07		
03 15 19 00-0032	EA 1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	94.86		
	For Galvanized, Add	36.78		
	For Stainless Steel, Add	257.43		
	For >10 To 50, Deduct	-1.07		
	For >50 To 100, Deduct	-3.97		
	For >100, Deduct	-7.94		
03 15 19 00-0033	EA 1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	113.38		
	For Galvanized, Add	44.26		
	For Stainless Steel, Add	309.82		
	For >10 To 50, Deduct	-1.24		
	For >50 To 100, Deduct	-4.70		
	For >100, Deduct	-9.40		
03 15 19 00-0034	EA 1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	140.86		
	For Galvanized, Add	55.51		
	For Stainless Steel, Add	388.54		
	For >10 To 50, Deduct	-1.49		
	For >50 To 100, Deduct	-5.76		
	For >100, Deduct	-11.52		
03 15 19 00-0035	EA 1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	172.85		
	For Galvanized, Add	67.78		
	For Stainless Steel, Add	474.46		
	For >10 To 50, Deduct	-1.86		
	For >50 To 100, Deduct	-7.12		
	For >100, Deduct	-14.24		
03 15 19 00-0036	L-Type Anchor Bolts (03 15 19 00-0001)			
	See CSI section 03 11 13 00-0002 for template.			
03 15 19 00-0037	3/4" And 7/8" Diameter (03 15 19 00-0036)			
03 15 19 00-0038	EA 3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.44		
	For Galvanized, Add	8.14		
	For Stainless Steel, Add	56.98		
	For >10 To 50, Deduct	-0.61		
	For >50 To 100, Deduct	-1.62		
	For >100, Deduct	-3.25		
03 15 19 00-0039	EA 3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.79		
	For Galvanized, Add	10.06		
	For Stainless Steel, Add	70.39		
	For >10 To 50, Deduct	-0.68		
	For >50 To 100, Deduct	-1.87		
	For >100, Deduct	-3.74		
03 15 19 00-0040	EA 3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.69		
	For Galvanized, Add	11.53		
	For Stainless Steel, Add	80.71		
	For >10 To 50, Deduct	-0.78		
	For >50 To 100, Deduct	-2.14		
	For >100, Deduct	-4.28		
03 15 19 00-0041	EA 3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.17		
	For Galvanized, Add	11.97		
	For Stainless Steel, Add	83.79		
	For >10 To 50, Deduct	-0.91		
	For >50 To 100, Deduct	-2.42		
	For >100, Deduct	-4.84		
03 15 19 00-0042	EA 3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.01		
	For Galvanized, Add	12.57		
	For Stainless Steel, Add	87.96		
	For >10 To 50, Deduct	-1.09		
	For >50 To 100, Deduct	-2.82		
	For >100, Deduct	-5.63		
03 15 19 00-0043	EA 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.87		
	For Galvanized, Add	10.10		
	For Stainless Steel, Add	70.67		
	For >10 To 50, Deduct	-0.68		
	For >50 To 100, Deduct	-1.87		
	For >100, Deduct	-3.75		
03 15 19 00-0044	EA 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.15		
	For Galvanized, Add	11.76		
	For Stainless Steel, Add	82.32		
	For >10 To 50, Deduct	-0.78		
	For >50 To 100, Deduct	-2.15		
	For >100, Deduct	-4.30		

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0045 EA 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.20	
For Galvanized, Add	13.49	
For Stainless Steel, Add	94.40	
For >10 To 50, Deduct	-0.91	
For >50 To 100, Deduct	-2.50	
For >100, Deduct	-4.99	
03 15 19 00-0046 EA 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.88	
For Galvanized, Add	14.00	
For Stainless Steel, Add	98.00	
For >10 To 50, Deduct	-1.09	
For >50 To 100, Deduct	-2.89	
For >100, Deduct	-5.78	
03 15 19 00-0047 EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.77	
For Galvanized, Add	14.71	
For Stainless Steel, Add	102.97	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.47	
For >100, Deduct	-6.94	
03 15 19 00-0048 1" And 1-1/8" Diameter (03 15 19 00-0036)		
03 15 19 00-0049 EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.52	
For Galvanized, Add	12.95	
For Stainless Steel, Add	90.62	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-2.21	
For >100, Deduct	-4.42	
03 15 19 00-0050 EA 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.34	
For Galvanized, Add	14.56	
For Stainless Steel, Add	101.89	
For >10 To 50, Deduct	-0.91	
For >50 To 100, Deduct	-2.55	
For >100, Deduct	-5.10	
03 15 19 00-0051 EA 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.44	
For Galvanized, Add	16.28	
For Stainless Steel, Add	113.96	
For >10 To 50, Deduct	-1.09	
For >50 To 100, Deduct	-3.00	
For >100, Deduct	-6.00	
03 15 19 00-0052 EA 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.87	
For Galvanized, Add	17.05	
For Stainless Steel, Add	119.32	
For >10 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.23	
For >100, Deduct	-6.46	
03 15 19 00-0053 EA 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.05	
For Galvanized, Add	17.85	
For Stainless Steel, Add	124.95	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.63	
For >100, Deduct	-7.26	
03 15 19 00-0054 EA 1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	71.76	
For Galvanized, Add	20.69	
For Stainless Steel, Add	144.80	
For >10 To 50, Deduct	-1.52	
For >50 To 100, Deduct	-4.07	
For >100, Deduct	-8.15	
03 15 19 00-0055 EA 1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	84.88	
For Galvanized, Add	24.21	
For Stainless Steel, Add	169.47	
For >10 To 50, Deduct	-1.82	
For >50 To 100, Deduct	-4.86	
For >100, Deduct	-9.71	
03 15 19 00-0056 EA 1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.28	
For Galvanized, Add	17.03	
For Stainless Steel, Add	119.18	
For >10 To 50, Deduct	-0.91	
For >50 To 100, Deduct	-2.67	
For >100, Deduct	-5.35	
03 15 19 00-0057 EA 1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.99	
For Galvanized, Add	19.06	
For Stainless Steel, Add	133.39	
For >10 To 50, Deduct	-1.09	
For >50 To 100, Deduct	-3.14	
For >100, Deduct	-6.28	
03 15 19 00-0058 EA 1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.66	
For Galvanized, Add	19.94	
For Stainless Steel, Add	139.58	
For >10 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.38	
For >100, Deduct	-6.75	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter (03 15 19 00-0036)



		Concrete	03	CS
		Concrete Forming and Accessories	03 10	
		Concrete Accessories	03 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	63.06		
		For Galvanized, Add	20.59		
		For Stainless Steel, Add	144.13		
		For >10 To 50, Deduct	-1.09		
		For >50 To 100, Deduct	-3.22		
		For >100, Deduct	-6.44		
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	75.54		
		For Galvanized, Add	24.10		
		For Stainless Steel, Add	168.67		
		For >10 To 50, Deduct	-1.37		
		For >50 To 100, Deduct	-3.94		
		For >100, Deduct	-7.88		
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	83.37		
		For Galvanized, Add	27.29		
		For Stainless Steel, Add	191.03		
		For >10 To 50, Deduct	-1.44		
		For >50 To 100, Deduct	-4.24		
		For >100, Deduct	-8.49		
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	92.02		
		For Galvanized, Add	30.82		
		For Stainless Steel, Add	215.71		
		For >10 To 50, Deduct	-1.52		
		For >50 To 100, Deduct	-4.58		
		For >100, Deduct	-9.16		
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	101.22		
		For Galvanized, Add	33.52		
		For Stainless Steel, Add	234.61		
		For >10 To 50, Deduct	-1.71		
		For >50 To 100, Deduct	-5.09		
		For >100, Deduct	-10.19		
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	110.85		
		For Galvanized, Add	35.89		
		For Stainless Steel, Add	251.23		
		For >10 To 50, Deduct	-1.95		
		For >50 To 100, Deduct	-5.70		
		For >100, Deduct	-11.40		
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	122.43		
		For Galvanized, Add	38.42		
		For Stainless Steel, Add	268.94		
		For >10 To 50, Deduct	-2.28		
		For >50 To 100, Deduct	-6.48		
		For >100, Deduct	-12.96		
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	139.66		
		For Galvanized, Add	42.48		
		For Stainless Steel, Add	297.36		
		For >10 To 50, Deduct	-2.74		
		For >50 To 100, Deduct	-7.59		
		For >100, Deduct	-15.19		
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	73.36		
		For Galvanized, Add	25.74		
		For Stainless Steel, Add	180.18		
		For >10 To 50, Deduct	-1.09		
		For >50 To 100, Deduct	-3.48		
		For >100, Deduct	-6.95		
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	87.60		
		For Galvanized, Add	30.13		
		For Stainless Steel, Add	210.88		
		For >10 To 50, Deduct	-1.37		
		For >50 To 100, Deduct	-4.24		
		For >100, Deduct	-8.48		
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	97.01		
		For Galvanized, Add	34.11		
		For Stainless Steel, Add	238.77		
		For >10 To 50, Deduct	-1.44		
		For >50 To 100, Deduct	-4.58		
		For >100, Deduct	-9.17		
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	107.42		
		For Galvanized, Add	38.52		
		For Stainless Steel, Add	269.61		
		For >10 To 50, Deduct	-1.52		
		For >50 To 100, Deduct	-4.96		
		For >100, Deduct	-9.93		
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	118.00		
		For Galvanized, Add	41.91		
		For Stainless Steel, Add	293.34		
		For >10 To 50, Deduct	-1.71		
		For >50 To 100, Deduct	-5.51		
		For >100, Deduct	-11.03		
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	128.82		
		For Galvanized, Add	44.88		
		For Stainless Steel, Add	314.13		
		For >10 To 50, Deduct	-1.95		
		For >50 To 100, Deduct	-6.15		
		For >100, Deduct	-12.30		

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0074 EA 1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	142.43	
For Galvanized, Add	48.42	
For Stainless Steel, Add	338.94	
For >10 To 50, Deduct	-2.28	
For >50 To 100, Deduct	-6.98	
For >100, Deduct	-13.96	
03 15 19 00-0075 EA 1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	160.92	
For Galvanized, Add	53.11	
For Stainless Steel, Add	371.77	
For >10 To 50, Deduct	-2.74	
For >50 To 100, Deduct	-8.13	
For >100, Deduct	-16.25	
03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)		
03 15 19 00-0077 EA 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	96.22	
For Galvanized, Add	35.68	
For Stainless Steel, Add	249.76	
For >10 To 50, Deduct	-1.24	
For >50 To 100, Deduct	-4.27	
For >100, Deduct	-8.54	
03 15 19 00-0078 EA 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	103.64	
For Galvanized, Add	37.43	
For Stainless Steel, Add	261.98	
For >10 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-4.75	
For >100, Deduct	-9.50	
03 15 19 00-0079 EA 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	114.54	
For Galvanized, Add	41.18	
For Stainless Steel, Add	288.26	
For >10 To 50, Deduct	-1.61	
For >50 To 100, Deduct	-5.28	
For >100, Deduct	-10.55	
03 15 19 00-0080 EA 1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	124.17	
For Galvanized, Add	44.99	
For Stainless Steel, Add	314.93	
For >10 To 50, Deduct	-1.71	
For >50 To 100, Deduct	-5.67	
For >100, Deduct	-11.34	
03 15 19 00-0081 EA 1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	134.06	
For Galvanized, Add	48.80	
For Stainless Steel, Add	341.60	
For >10 To 50, Deduct	-1.82	
For >50 To 100, Deduct	-6.09	
For >100, Deduct	-12.17	
03 15 19 00-0082 EA 1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	147.04	
For Galvanized, Add	52.48	
For Stainless Steel, Add	367.36	
For >10 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-6.83	
For >100, Deduct	-13.66	
03 15 19 00-0083 EA 1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	163.27	
For Galvanized, Add	56.77	
For Stainless Steel, Add	397.39	
For >10 To 50, Deduct	-2.49	
For >50 To 100, Deduct	-7.81	
For >100, Deduct	-15.62	
03 15 19 00-0084 EA 1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	186.69	
For Galvanized, Add	62.96	
For Stainless Steel, Add	440.69	
For >10 To 50, Deduct	-3.04	
For >50 To 100, Deduct	-9.23	
For >100, Deduct	-18.45	
03 15 19 00-0085 EA 1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	134.72	
For Galvanized, Add	53.69	
For Stainless Steel, Add	375.80	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-5.42	
For >100, Deduct	-10.84	
03 15 19 00-0086 EA 1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	140.10	
For Galvanized, Add	54.86	
For Stainless Steel, Add	383.99	
For >10 To 50, Deduct	-1.52	
For >50 To 100, Deduct	-5.78	
For >100, Deduct	-11.56	
03 15 19 00-0087 EA 1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	143.65	
For Galvanized, Add	55.74	
For Stainless Steel, Add	390.15	
For >10 To 50, Deduct	-1.61	
For >50 To 100, Deduct	-6.00	
For >100, Deduct	-12.01	



Concrete		03	CS
Concrete Forming and Accessories		03 10	
Concrete Accessories		03 15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	162.93	
		For Galvanized, Add	64.37	
		For Stainless Steel, Add	450.59	
		For >10 To 50, Deduct	-1.71	
		For >50 To 100, Deduct	-6.64	
		For >100, Deduct	-13.28	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	187.69	
		For Galvanized, Add	74.31	
		For Stainless Steel, Add	520.17	
		For >10 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-7.62	
		For >100, Deduct	-15.25	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	196.17	
		For Galvanized, Add	75.29	
		For Stainless Steel, Add	527.03	
		For >10 To 50, Deduct	-2.28	
		For >50 To 100, Deduct	-8.32	
		For >100, Deduct	-16.65	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	217.30	
		For Galvanized, Add	81.30	
		For Stainless Steel, Add	569.10	
		For >10 To 50, Deduct	-2.74	
		For >50 To 100, Deduct	-9.54	
		For >100, Deduct	-19.07	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	243.50	
		For Galvanized, Add	87.57	
		For Stainless Steel, Add	612.96	
		For >10 To 50, Deduct	-3.42	
		For >50 To 100, Deduct	-11.22	
		For >100, Deduct	-22.43	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	195.63	
		For Galvanized, Add	81.73	
		For Stainless Steel, Add	572.08	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-7.30	
		For >100, Deduct	-14.61	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	213.16	
		For Galvanized, Add	88.35	
		For Stainless Steel, Add	618.45	
		For >10 To 50, Deduct	-1.82	
		For >50 To 100, Deduct	-8.06	
		For >100, Deduct	-16.13	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	234.68	
		For Galvanized, Add	96.30	
		For Stainless Steel, Add	674.10	
		For >10 To 50, Deduct	-2.10	
		For >50 To 100, Deduct	-9.02	
		For >100, Deduct	-18.05	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	253.70	
		For Galvanized, Add	101.99	
		For Stainless Steel, Add	713.90	
		For >10 To 50, Deduct	-2.49	
		For >50 To 100, Deduct	-10.07	
		For >100, Deduct	-20.14	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	273.88	
		For Galvanized, Add	109.59	
		For Stainless Steel, Add	767.13	
		For >10 To 50, Deduct	-2.74	
		For >50 To 100, Deduct	-10.95	
		For >100, Deduct	-21.90	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	294.82	
		For Galvanized, Add	117.02	
		For Stainless Steel, Add	819.14	
		For >10 To 50, Deduct	-3.04	
		For >50 To 100, Deduct	-11.93	
		For >100, Deduct	-23.86	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	329.50	
		For Galvanized, Add	125.68	
		For Stainless Steel, Add	879.76	
		For >10 To 50, Deduct	-3.91	
		For >50 To 100, Deduct	-14.10	
		For >100, Deduct	-28.20	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	354.47	
		For Galvanized, Add	138.17	
		For Stainless Steel, Add	967.16	
		For >10 To 50, Deduct	-3.91	
		For >50 To 100, Deduct	-14.72	
		For >100, Deduct	-29.44	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	398.34	
		For Galvanized, Add	153.59	
		For Stainless Steel, Add	1,075.10	
		For >10 To 50, Deduct	-4.56	
		For >50 To 100, Deduct	-16.80	
		For >100, Deduct	-33.59	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0102			2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)		
03 15 19 00-0103	EA		2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	395.31	
			For Galvanized, Add	181.57	
			For Stainless Steel, Add	1,270.96	
			For >10 To 50, Deduct	-1.61	
			For >50 To 100, Deduct	-12.30	
			For >100, Deduct	-24.59	
03 15 19 00-0104	EA		2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	416.02	
			For Galvanized, Add	189.78	
			For Stainless Steel, Add	1,328.46	
			For >10 To 50, Deduct	-1.82	
			For >50 To 100, Deduct	-13.14	
			For >100, Deduct	-26.27	
03 15 19 00-0105	EA		2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	453.71	
			For Galvanized, Add	205.82	
			For Stainless Steel, Add	1,440.71	
			For >10 To 50, Deduct	-2.10	
			For >50 To 100, Deduct	-14.50	
			For >100, Deduct	-29.00	
03 15 19 00-0106	EA		2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	483.53	
			For Galvanized, Add	216.90	
			For Stainless Steel, Add	1,518.30	
			For >10 To 50, Deduct	-2.49	
			For >50 To 100, Deduct	-15.82	
			For >100, Deduct	-31.64	
03 15 19 00-0107	EA		2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	511.76	
			For Galvanized, Add	228.53	
			For Stainless Steel, Add	1,599.71	
			For >10 To 50, Deduct	-2.74	
			For >50 To 100, Deduct	-16.90	
			For >100, Deduct	-33.79	
03 15 19 00-0108	EA		2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	543.88	
			For Galvanized, Add	241.55	
			For Stainless Steel, Add	1,690.85	
			For >10 To 50, Deduct	-3.04	
			For >50 To 100, Deduct	-18.16	
			For >100, Deduct	-36.31	
03 15 19 00-0109	EA		2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	587.90	
			For Galvanized, Add	254.88	
			For Stainless Steel, Add	1,784.16	
			For >10 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-20.56	
			For >100, Deduct	-41.12	
03 15 19 00-0110	EA		2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	445.28	
			For Galvanized, Add	205.55	
			For Stainless Steel, Add	1,438.82	
			For >10 To 50, Deduct	-1.71	
			For >50 To 100, Deduct	-13.70	
			For >100, Deduct	-27.39	
03 15 19 00-0111	EA		2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	478.81	
			For Galvanized, Add	219.87	
			For Stainless Steel, Add	1,539.09	
			For >10 To 50, Deduct	-1.95	
			For >50 To 100, Deduct	-14.90	
			For >100, Deduct	-29.80	
03 15 19 00-0112	EA		2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	514.25	
			For Galvanized, Add	234.33	
			For Stainless Steel, Add	1,640.31	
			For >10 To 50, Deduct	-2.28	
			For >50 To 100, Deduct	-16.28	
			For >100, Deduct	-32.55	
03 15 19 00-0113	EA		2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	549.41	
			For Galvanized, Add	247.36	
			For Stainless Steel, Add	1,731.49	
			For >10 To 50, Deduct	-2.74	
			For >50 To 100, Deduct	-17.84	
			For >100, Deduct	-35.68	
03 15 19 00-0114	EA		2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	583.95	
			For Galvanized, Add	261.59	
			For Stainless Steel, Add	1,831.10	
			For >10 To 50, Deduct	-3.04	
			For >50 To 100, Deduct	-19.16	
			For >100, Deduct	-38.31	
03 15 19 00-0115	EA		2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	631.95	
			For Galvanized, Add	281.79	
			For Stainless Steel, Add	1,972.53	
			For >10 To 50, Deduct	-3.42	
			For >50 To 100, Deduct	-20.93	
			For >100, Deduct	-41.85	
03 15 19 00-0116	EA		2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	685.74	
			For Galvanized, Add	297.29	
			For Stainless Steel, Add	2,081.00	
			For >10 To 50, Deduct	-4.56	
			For >50 To 100, Deduct	-23.98	
			For >100, Deduct	-47.96	



	Concrete	03	
	Concrete Forming and Accessories	03 10	
	Concrete Accessories	03 15	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 20 Concrete Reinforcing ⁽⁰³⁾

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars ^(03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 (1/8" Diameter) - 0.167 Lb./LF, #3 (3/8" Diameter) - 0.376 Lb./LF, #4 (1/2" Diameter) - 0.668 Lb./LF, #5 (5/8" Diameter) - 1.043 Lb./LF, #6 (3/4" Diameter) - 1.502 Lb./LF, #7 (7/8" Diameter) - 2.044 Lb./LF, #8 (1" Diameter) - 2.670 Lb./LF, #9 (1.128" Diameter) - 3.400 Lb./LF, #10 (1.27" Diameter) - 4.303 Lb./LF, #11 (1.41" Diameter) - 5.313 Lb./LF, #14 (1.693" Diameter) - 7.650 Lb./LF, #18 (2.257" Diameter) - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars ^(03 21)

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF #3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.82
	For Up To 100, Add	0.56
	For >100 To 200, Add	0.30
	For >200 To 500, Add	0.12
03 21 11 00-0003	LF #4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.39
	For Up To 100, Add	0.97
	For >100 To 200, Add	0.52
	For >200 To 500, Add	0.21
03 21 11 00-0004	LF #5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.08
	For Up To 100, Add	1.47
	For >100 To 200, Add	0.79
	For >200 To 500, Add	0.32
03 21 11 00-0005	LF #6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.89
	For Up To 100, Add	2.09
	For >100 To 200, Add	1.11
	For >200 To 500, Add	0.44
03 21 11 00-0006	LF #3, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	0.84
	For Up To 100, Add	0.58
	For >100 To 200, Add	0.31
	For >200 To 500, Add	0.13
03 21 11 00-0007	LF #4, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.42
	For Up To 100, Add	1.00
	For >100 To 200, Add	0.54
	For >200 To 500, Add	0.21
03 21 11 00-0008	LF #5, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.14
	For Up To 100, Add	1.53
	For >100 To 200, Add	0.82
	For >200 To 500, Add	0.33
03 21 11 00-0009	LF #6, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.97
	For Up To 100, Add	2.17
	For >100 To 200, Add	1.15
	For >200 To 500, Add	0.46
03 21 11 00-0010	LF #3, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	0.87
	For Up To 100, Add	0.61
	For >100 To 200, Add	0.33
	For >200 To 500, Add	0.13
03 21 11 00-0011	LF #4, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.47
	For Up To 100, Add	1.05
	For >100 To 200, Add	0.56
	For >200 To 500, Add	0.22
03 21 11 00-0012	LF #5, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	2.22
	For Up To 100, Add	1.61
	For >100 To 200, Add	0.86
	For >200 To 500, Add	0.34
03 21 11 00-0013	LF #6, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.08
	For Up To 100, Add	2.28
	For >100 To 200, Add	1.21
	For >200 To 500, Add	0.48
03 21 11 00-0014	LF #7, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	4.01
	For Up To 100, Add	2.35
	For >100 To 200, Add	1.36
	For >200 To 400, Add	0.64
03 21 11 00-0015	LF #8, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	5.03
	For Up To 100, Add	3.00
	For >100 To 200, Add	1.72
	For >200 To 400, Add	0.81
03 21 11 00-0016	LF #9, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	6.20
	For Up To 100, Add	3.75
	For >100 To 200, Add	2.14
	For >200 To 400, Add	1.01
03 21 11 00-0017	LF #10, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	7.62
	For Up To 100, Add	3.78
	For >100 To 200, Add	2.02
	For >200 To 300, Add	1.01
03 21 11 00-0018	LF #11, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	9.11
	For Up To 100, Add	4.58
	For >100 To 200, Add	2.44
	For >200 To 300, Add	1.22

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0019 LF #14, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	12.69	
For Up To 100, Add	6.47	
For >100 To 200, Add	3.43	
For >200 To 300, Add	1.71	
03 21 11 00-0020 LF #18, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	21.81	
For Up To 100, Add	11.27	
For >100 To 200, Add	5.94	
For >200 To 300, Add	2.97	
03 21 11 00-0021 LF #6, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.20	
For Up To 100, Add	2.40	
For >100 To 200, Add	1.27	
For >200 To 500, Add	0.51	
03 21 11 00-0022 LF #7, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	4.17	
For Up To 100, Add	2.47	
For >100 To 200, Add	1.42	
For >200 To 400, Add	0.67	
03 21 11 00-0023 LF #8, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	5.23	
For Up To 100, Add	3.15	
For >100 To 200, Add	1.80	
For >200 To 400, Add	0.85	
03 21 11 00-0024 LF #9, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	6.46	
For Up To 100, Add	3.94	
For >100 To 200, Add	2.25	
For >200 To 400, Add	1.07	
03 21 11 00-0025 LF #10, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	7.95	
For Up To 100, Add	3.98	
For >100 To 200, Add	2.12	
For >200 To 300, Add	1.06	
03 21 11 00-0026 LF #11, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	9.52	
For Up To 100, Add	4.83	
For >100 To 200, Add	2.56	
For >200 To 300, Add	1.28	
03 21 11 00-0027 LF #14, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	13.28	
For Up To 100, Add	6.82	
For >100 To 200, Add	3.60	
For >200 To 300, Add	1.80	
03 21 11 00-0028 LF #18, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	22.86	
For Up To 100, Add	11.90	
For >100 To 200, Add	6.25	
For >200 To 300, Add	3.13	
03 21 11 00-0029 LF #3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.89	
For Up To 100, Add	0.63	
For >100 To 200, Add	0.34	
For >200 To 500, Add	0.14	
03 21 11 00-0030 LF #4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.51	
For Up To 100, Add	1.09	
For >100 To 200, Add	0.58	
For >200 To 500, Add	0.23	
03 21 11 00-0031 LF #5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.28	
For Up To 100, Add	1.67	
For >100 To 200, Add	0.89	
For >200 To 500, Add	0.36	
03 21 11 00-0032 LF #6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.17	
For Up To 100, Add	2.37	
For >100 To 200, Add	1.25	
For >200 To 500, Add	0.50	
03 21 11 00-0033 LF #7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.13	
For Up To 100, Add	2.44	
For >100 To 200, Add	1.41	
For >200 To 400, Add	0.66	
03 21 11 00-0034 LF #8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.18	
For Up To 100, Add	3.11	
For >100 To 200, Add	1.78	
For >200 To 400, Add	0.84	
03 21 11 00-0035 LF #9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.40	
For Up To 100, Add	3.90	
For >100 To 200, Add	2.22	
For >200 To 400, Add	1.05	
03 21 11 00-0036 LF #10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.87	
For Up To 100, Add	3.93	
For >100 To 200, Add	2.10	
For >200 To 300, Add	1.05	
03 21 11 00-0037 LF #11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.42	
For Up To 100, Add	4.77	
For >100 To 200, Add	2.53	
For >200 To 300, Add	1.27	
03 21 11 00-0038 LF #14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	13.13	
For Up To 100, Add	6.73	
For >100 To 200, Add	3.56	
For >200 To 300, Add	1.78	
03 21 11 00-0039 LF #18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	22.59	
For Up To 100, Add	11.74	
For >100 To 200, Add	6.17	
For >200 To 300, Add	3.09	



Concrete		03	CS
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0040			Columns, Steel Reinforcement Bar (03 21 11) Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0041	LF		#3, Grade 40, Columns, Steel Reinforcement Bar.....	0.85	
			For Up To 100, Add.....	0.57	
			For >100 To 200, Add.....	0.31	
			For >200 To 500, Add.....	0.12	
03 21 11 00-0042	LF		#4, Grade 40, Columns, Steel Reinforcement Bar.....	1.46	
			For Up To 100, Add.....	1.00	
			For >100 To 200, Add.....	0.54	
			For >200 To 500, Add.....	0.22	
03 21 11 00-0043	LF		#5, Grade 40, Columns, Steel Reinforcement Bar.....	2.17	
			For Up To 100, Add.....	1.51	
			For >100 To 200, Add.....	0.81	
			For >200 To 500, Add.....	0.32	
03 21 11 00-0044	LF		#6, Grade 40, Columns, Steel Reinforcement Bar.....	3.02	
			For Up To 100, Add.....	2.14	
			For >100 To 200, Add.....	1.14	
			For >200 To 500, Add.....	0.46	
03 21 11 00-0045	LF		#3, Grade 50, Columns, Steel Reinforcement Bar.....	0.87	
			For Up To 100, Add.....	0.59	
			For >100 To 200, Add.....	0.32	
			For >200 To 500, Add.....	0.13	
03 21 11 00-0046	LF		#4, Grade 50, Columns, Steel Reinforcement Bar.....	1.49	
			For Up To 100, Add.....	1.03	
			For >100 To 200, Add.....	0.55	
			For >200 To 500, Add.....	0.22	
03 21 11 00-0047	LF		#5, Grade 50, Columns, Steel Reinforcement Bar.....	2.23	
			For Up To 100, Add.....	1.57	
			For >100 To 200, Add.....	0.84	
			For >200 To 500, Add.....	0.34	
03 21 11 00-0048	LF		#6, Grade 50, Columns, Steel Reinforcement Bar.....	3.10	
			For Up To 100, Add.....	2.22	
			For >100 To 200, Add.....	1.18	
			For >200 To 500, Add.....	0.47	
03 21 11 00-0049	LF		#3, Grade 60, Columns, Steel Reinforcement Bar.....	0.90	
			For Up To 100, Add.....	0.62	
			For >100 To 200, Add.....	0.34	
			For >200 To 500, Add.....	0.13	
03 21 11 00-0050	LF		#4, Grade 60, Columns, Steel Reinforcement Bar.....	1.54	
			For Up To 100, Add.....	1.08	
			For >100 To 200, Add.....	0.58	
			For >200 To 500, Add.....	0.23	
03 21 11 00-0051	LF		#5, Grade 60, Columns, Steel Reinforcement Bar.....	2.31	
			For Up To 100, Add.....	1.65	
			For >100 To 200, Add.....	0.88	
			For >200 To 500, Add.....	0.35	
03 21 11 00-0052	LF		#6, Grade 60, Columns, Steel Reinforcement Bar.....	3.21	
			For Up To 100, Add.....	2.33	
			For >100 To 200, Add.....	1.24	
			For >200 To 500, Add.....	0.50	
03 21 11 00-0053	LF		#7, Grade 60, Columns, Steel Reinforcement Bar.....	4.18	
			For Up To 100, Add.....	2.41	
			For >100 To 200, Add.....	1.40	
			For >200 To 400, Add.....	0.66	
03 21 11 00-0054	LF		#8, Grade 60, Columns, Steel Reinforcement Bar.....	5.22	
			For Up To 100, Add.....	3.07	
			For >100 To 200, Add.....	1.77	
			For >200 To 400, Add.....	0.83	
03 21 11 00-0055	LF		#9, Grade 60, Columns, Steel Reinforcement Bar.....	6.42	
			For Up To 100, Add.....	3.82	
			For >100 To 200, Add.....	2.20	
			For >200 To 400, Add.....	1.04	
03 21 11 00-0056	LF		#10, Grade 60, Columns, Steel Reinforcement Bar.....	7.87	
			For Up To 100, Add.....	3.86	
			For >100 To 200, Add.....	2.07	
			For >200 To 300, Add.....	1.04	
03 21 11 00-0057	LF		#11, Grade 60, Columns, Steel Reinforcement Bar.....	9.40	
			For Up To 100, Add.....	4.67	
			For >100 To 200, Add.....	2.50	
			For >200 To 300, Add.....	1.25	
03 21 11 00-0058	LF		#14, Grade 60, Columns, Steel Reinforcement Bar.....	13.08	
			For Up To 100, Add.....	6.59	
			For >100 To 200, Add.....	3.50	
			For >200 To 300, Add.....	1.75	
03 21 11 00-0059	LF		#18, Grade 60, Columns, Steel Reinforcement Bar.....	22.41	
			For Up To 100, Add.....	11.45	
			For >100 To 200, Add.....	6.06	
			For >200 To 300, Add.....	3.03	
03 21 11 00-0060	LF		#6, Grade 75, Columns, Steel Reinforcement Bar.....	3.33	
			For Up To 100, Add.....	2.45	
			For >100 To 200, Add.....	1.30	
			For >200 To 500, Add.....	0.52	
03 21 11 00-0061	LF		#7, Grade 75, Columns, Steel Reinforcement Bar.....	4.34	
			For Up To 100, Add.....	2.53	
			For >100 To 200, Add.....	1.46	
			For >200 To 400, Add.....	0.69	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	.....	5.42	
		For Up To 100, Add	.....	3.22	
		For >100 To 200, Add	.....	1.85	
		For >200 To 400, Add	.....	0.87	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	.....	6.68	
		For Up To 100, Add	.....	4.02	
		For >100 To 200, Add	.....	2.30	
		For >200 To 400, Add	.....	1.09	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	.....	8.20	
		For Up To 100, Add	.....	4.06	
		For >100 To 200, Add	.....	2.17	
		For >200 To 300, Add	.....	1.09	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	.....	9.81	
		For Up To 100, Add	.....	4.91	
		For >100 To 200, Add	.....	2.62	
		For >200 To 300, Add	.....	1.31	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	.....	13.67	
		For Up To 100, Add	.....	6.94	
		For >100 To 200, Add	.....	3.68	
		For >200 To 300, Add	.....	1.84	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	.....	23.46	
		For Up To 100, Add	.....	12.08	
		For >100 To 200, Add	.....	6.37	
		For >200 To 300, Add	.....	3.19	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	0.92	
		For Up To 100, Add	.....	0.64	
		For >100 To 200, Add	.....	0.35	
		For >200 To 500, Add	.....	0.14	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	1.58	
		For Up To 100, Add	.....	1.12	
		For >100 To 200, Add	.....	0.60	
		For >200 To 500, Add	.....	0.24	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	2.37	
		For Up To 100, Add	.....	1.71	
		For >100 To 200, Add	.....	0.91	
		For >200 To 500, Add	.....	0.36	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	3.30	
		For Up To 100, Add	.....	2.42	
		For >100 To 200, Add	.....	1.28	
		For >200 To 500, Add	.....	0.51	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	4.30	
		For Up To 100, Add	.....	2.50	
		For >100 To 200, Add	.....	1.45	
		For >200 To 400, Add	.....	0.68	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	5.37	
		For Up To 100, Add	.....	3.18	
		For >100 To 200, Add	.....	1.83	
		For >200 To 400, Add	.....	0.86	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	6.62	
		For Up To 100, Add	.....	3.97	
		For >100 To 200, Add	.....	2.28	
		For >200 To 400, Add	.....	1.08	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	8.12	
		For Up To 100, Add	.....	4.01	
		For >100 To 200, Add	.....	2.15	
		For >200 To 300, Add	.....	1.07	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	9.71	
		For Up To 100, Add	.....	4.85	
		For >100 To 200, Add	.....	2.59	
		For >200 To 300, Add	.....	1.29	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	13.52	
		For Up To 100, Add	.....	6.85	
		For >100 To 200, Add	.....	3.64	
		For >200 To 300, Add	.....	1.82	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	23.19	
		For Up To 100, Add	.....	11.92	
		For >100 To 200, Add	.....	6.29	
		For >200 To 300, Add	.....	3.15	
03 21 11 00-0079		Footings, Steel Reinforcement Bar (03 21 11)			
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.			
03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	.....	0.75	
		For Up To 100, Add	.....	0.53	
		For >100 To 200, Add	.....	0.29	
		For >200 To 500, Add	.....	0.11	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	.....	1.29	
		For Up To 100, Add	.....	0.93	
		For >100 To 200, Add	.....	0.50	
		For >200 To 500, Add	.....	0.20	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	.....	1.93	
		For Up To 100, Add	.....	1.41	
		For >100 To 200, Add	.....	0.75	
		For >200 To 500, Add	.....	0.30	



	Concrete	03	CS
	Concrete Reinforcing	03 20	
	Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	.....	2.69	
		For Up To 100, Add	.....	2.01	
		For >100 To 200, Add	.....	1.06	
		For >200 To 500, Add	.....	0.42	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	.....	0.77	
		For Up To 100, Add	.....	0.55	
		For >100 To 200, Add	.....	0.30	
		For >200 To 500, Add	.....	0.12	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	.....	1.32	
		For Up To 100, Add	.....	0.96	
		For >100 To 200, Add	.....	0.51	
		For >200 To 500, Add	.....	0.20	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	.....	1.99	
		For Up To 100, Add	.....	1.47	
		For >100 To 200, Add	.....	0.78	
		For >200 To 500, Add	.....	0.31	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	.....	2.77	
		For Up To 100, Add	.....	2.09	
		For >100 To 200, Add	.....	1.10	
		For >200 To 500, Add	.....	0.44	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	.....	0.80	
		For Up To 100, Add	.....	0.58	
		For >100 To 200, Add	.....	0.31	
		For >200 To 500, Add	.....	0.12	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	.....	1.37	
		For Up To 100, Add	.....	1.01	
		For >100 To 200, Add	.....	0.54	
		For >200 To 500, Add	.....	0.21	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	.....	2.07	
		For Up To 100, Add	.....	1.55	
		For >100 To 200, Add	.....	0.82	
		For >200 To 500, Add	.....	0.33	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	.....	2.88	
		For Up To 100, Add	.....	2.20	
		For >100 To 200, Add	.....	1.16	
		For >200 To 500, Add	.....	0.46	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	.....	3.77	
		For Up To 100, Add	.....	2.27	
		For >100 To 200, Add	.....	1.30	
		For >200 To 400, Add	.....	0.61	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	.....	4.74	
		For Up To 100, Add	.....	2.90	
		For >100 To 200, Add	.....	1.65	
		For >200 To 400, Add	.....	0.78	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	.....	5.86	
		For Up To 100, Add	.....	3.63	
		For >100 To 200, Add	.....	2.06	
		For >200 To 400, Add	.....	0.98	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	.....	7.22	
		For Up To 100, Add	.....	4.52	
		For >100 To 200, Add	.....	2.55	
		For >200 To 400, Add	.....	1.22	
		For Up To 100, Add	.....	3.66	
		For >100 To 200, Add	.....	1.94	
		For >200 To 300, Add	.....	0.97	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	.....	8.67	
		For Up To 100, Add	.....	5.50	
		For >100 To 200, Add	.....	3.09	
		For >200 To 400, Add	.....	1.48	
		For Up To 100, Add	.....	4.45	
		For >100 To 200, Add	.....	2.35	
		For >200 To 300, Add	.....	1.18	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	.....	12.12	
		For Up To 100, Add	.....	7.79	
		For >100 To 200, Add	.....	4.36	
		For >200 To 400, Add	.....	2.10	
		For Up To 100, Add	.....	6.30	
		For >100 To 200, Add	.....	3.31	
		For >200 To 300, Add	.....	1.66	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	.....	20.89	
		For Up To 100, Add	.....	13.62	
		For >100 To 200, Add	.....	7.59	
		For >200 To 400, Add	.....	3.67	
		For Up To 100, Add	.....	11.00	
		For >100 To 200, Add	.....	5.76	
		For >200 To 300, Add	.....	2.88	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	.....	3.00	
		For Up To 100, Add	.....	2.32	
		For >100 To 200, Add	.....	1.22	
		For >200 To 500, Add	.....	0.49	
		For Up To 100, Add	.....	1.79	
		For >100 To 200, Add	.....	1.03	
		For >200 To 400, Add	.....	0.49	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	.....	3.93	
		For Up To 100, Add	.....	2.39	
		For >100 To 200, Add	.....	1.36	
		For >200 To 400, Add	.....	0.65	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	4.94	
		For Up To 100, Add	3.05	
		For >100 To 200, Add	1.73	
		For >200 To 400, Add	0.82	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	6.12	
		For Up To 100, Add	3.82	
		For >100 To 200, Add	2.16	
		For >200 To 400, Add	1.03	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	7.55	
		For Up To 100, Add	3.86	
		For >100 To 200, Add	2.04	
		For >200 To 300, Add	1.02	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	9.08	
		For Up To 100, Add	4.70	
		For >100 To 200, Add	2.47	
		For >200 To 300, Add	1.24	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	12.71	
		For Up To 100, Add	6.65	
		For >100 To 200, Add	3.49	
		For >200 To 300, Add	1.74	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	21.94	
		For Up To 100, Add	11.63	
		For >100 To 200, Add	6.07	
		For >200 To 300, Add	3.04	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.82	
		For Up To 100, Add	0.60	
		For >100 To 200, Add	0.32	
		For >200 To 500, Add	0.13	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.41	
		For Up To 100, Add	1.05	
		For >100 To 200, Add	0.56	
		For >200 To 500, Add	0.22	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.13	
		For Up To 100, Add	1.61	
		For >100 To 200, Add	0.85	
		For >200 To 500, Add	0.34	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.97	
		For Up To 100, Add	2.29	
		For >100 To 200, Add	1.20	
		For >200 To 500, Add	0.48	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.89	
		For Up To 100, Add	2.36	
		For >100 To 200, Add	1.35	
		For >200 To 400, Add	0.64	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.89	
		For Up To 100, Add	3.01	
		For >100 To 200, Add	1.71	
		For >200 To 400, Add	0.81	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.06	
		For Up To 100, Add	3.78	
		For >100 To 200, Add	2.14	
		For >200 To 400, Add	1.02	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.47	
		For Up To 100, Add	3.81	
		For >100 To 200, Add	2.02	
		For >200 To 300, Add	1.01	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	8.98	
		For Up To 100, Add	4.64	
		For >100 To 200, Add	2.44	
		For >200 To 300, Add	1.22	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	12.56	
		For Up To 100, Add	6.56	
		For >100 To 200, Add	3.44	
		For >200 To 300, Add	1.72	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	21.67	
		For Up To 100, Add	11.47	
		For >100 To 200, Add	5.99	
		For >200 To 300, Add	2.99	
03 21 11 00-0118		Slab On Grade, Steel Reinforcement Bar (03 21 11) Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.73	
		For Up To 100, Add	0.53	
		For >100 To 200, Add	0.28	
		For >200 To 500, Add	0.11	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.25	
		For Up To 100, Add	0.91	
		For >100 To 200, Add	0.49	
		For >200 To 500, Add	0.19	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.88	
		For Up To 100, Add	1.39	
		For >100 To 200, Add	0.74	
		For >200 To 500, Add	0.30	



Concrete		03	CS
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	.....	2.61	
		For Up To 100, Add	.....	1.97	
		For >100 To 200, Add	.....	1.04	
		For >200 To 500, Add	.....	0.42	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	.....	0.75	
		For Up To 100, Add	.....	0.55	
		For >100 To 200, Add	.....	0.29	
		For >200 To 500, Add	.....	0.12	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	.....	1.28	
		For Up To 100, Add	.....	0.94	
		For >100 To 200, Add	.....	0.50	
		For >200 To 500, Add	.....	0.20	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	.....	1.94	
		For Up To 100, Add	.....	1.45	
		For >100 To 200, Add	.....	0.77	
		For >200 To 500, Add	.....	0.31	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	.....	2.69	
		For Up To 100, Add	.....	2.05	
		For >100 To 200, Add	.....	1.08	
		For >200 To 500, Add	.....	0.43	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	0.78	
		For Up To 100, Add	.....	0.58	
		For >100 To 200, Add	.....	0.31	
		For >200 To 500, Add	.....	0.12	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	1.33	
		For Up To 100, Add	.....	0.99	
		For >100 To 200, Add	.....	0.53	
		For >200 To 500, Add	.....	0.21	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	2.02	
		For Up To 100, Add	.....	1.53	
		For >100 To 200, Add	.....	0.81	
		For >200 To 500, Add	.....	0.32	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	2.80	
		For Up To 100, Add	.....	2.16	
		For >100 To 200, Add	.....	1.14	
		For >200 To 500, Add	.....	0.45	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	3.69	
		For Up To 100, Add	.....	2.24	
		For >100 To 200, Add	.....	1.28	
		For >200 To 400, Add	.....	0.61	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	4.65	
		For Up To 100, Add	.....	2.87	
		For >100 To 200, Add	.....	1.63	
		For >200 To 400, Add	.....	0.78	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	5.75	
		For Up To 100, Add	.....	3.59	
		For >100 To 200, Add	.....	2.03	
		For >200 To 400, Add	.....	0.97	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	7.09	
		For Up To 100, Add	.....	3.62	
		For >100 To 200, Add	.....	1.92	
		For >200 To 300, Add	.....	0.96	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	8.52	
		For Up To 100, Add	.....	4.40	
		For >100 To 200, Add	.....	2.32	
		For >200 To 300, Add	.....	1.16	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	11.92	
		For Up To 100, Add	.....	6.24	
		For >100 To 200, Add	.....	3.27	
		For >200 To 300, Add	.....	1.64	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	20.60	
		For Up To 100, Add	.....	10.91	
		For >100 To 200, Add	.....	5.70	
		For >200 To 300, Add	.....	2.85	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	2.92	
		For Up To 100, Add	.....	2.28	
		For >100 To 200, Add	.....	1.20	
		For >200 To 500, Add	.....	0.48	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	3.85	
		For Up To 100, Add	.....	2.36	
		For >100 To 200, Add	.....	1.34	
		For >200 To 400, Add	.....	0.64	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	4.85	
		For Up To 100, Add	.....	3.02	
		For >100 To 200, Add	.....	1.71	
		For >200 To 400, Add	.....	0.82	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	6.01	
		For Up To 100, Add	.....	3.78	
		For >100 To 200, Add	.....	2.13	
		For >200 To 400, Add	.....	1.02	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	7.42	
		For Up To 100, Add	.....	3.82	
		For >100 To 200, Add	.....	2.02	
		For >200 To 300, Add	.....	1.01	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	8.93	
		For Up To 100, Add		4.65	
		For >100 To 200, Add		2.44	
		For >200 To 300, Add		1.22	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	12.51	
		For Up To 100, Add		6.59	
		For >100 To 200, Add		3.45	
		For >200 To 300, Add		1.72	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	21.65	
		For Up To 100, Add		11.54	
		For >100 To 200, Add		6.01	
		For >200 To 300, Add		3.01	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	0.80	
		For Up To 100, Add		0.60	
		For >100 To 200, Add		0.32	
		For >200 To 500, Add		0.13	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	1.37	
		For Up To 100, Add		1.03	
		For >100 To 200, Add		0.55	
		For >200 To 500, Add		0.22	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.08	
		For Up To 100, Add		1.59	
		For >100 To 200, Add		0.84	
		For >200 To 500, Add		0.34	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.89	
		For Up To 100, Add		2.25	
		For >100 To 200, Add		1.18	
		For >200 To 500, Add		0.47	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	3.81	
		For Up To 100, Add		2.33	
		For >100 To 200, Add		1.33	
		For >200 To 400, Add		0.63	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	4.80	
		For Up To 100, Add		2.98	
		For >100 To 200, Add		1.69	
		For >200 To 400, Add		0.81	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	5.95	
		For Up To 100, Add		3.74	
		For >100 To 200, Add		2.11	
		For >200 To 400, Add		1.01	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	7.34	
		For Up To 100, Add		3.77	
		For >100 To 200, Add		1.99	
		For >200 To 300, Add		1.00	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	8.83	
		For Up To 100, Add		4.59	
		For >100 To 200, Add		2.41	
		For >200 To 300, Add		1.21	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	12.36	
		For Up To 100, Add		6.50	
		For >100 To 200, Add		3.40	
		For >200 To 300, Add		1.70	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	21.38	
		For Up To 100, Add		11.38	
		For >100 To 200, Add		5.93	
		For >200 To 300, Add		2.97	
03 21 11 00-0157		Elevated Slabs, Steel Reinforcement Bar (03 21 11)			
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.			
03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	0.69	
		For Up To 100, Add		0.51	
		For >100 To 200, Add		0.27	
		For >200 To 500, Add		0.11	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	1.18	
		For Up To 100, Add		0.89	
		For >100 To 200, Add		0.47	
		For >200 To 500, Add		0.19	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	1.78	
		For Up To 100, Add		1.35	
		For >100 To 200, Add		0.71	
		For >200 To 500, Add		0.29	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	2.48	
		For Up To 100, Add		1.92	
		For >100 To 200, Add		1.01	
		For >200 To 500, Add		0.40	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	0.71	
		For Up To 100, Add		0.53	
		For >100 To 200, Add		0.28	
		For >200 To 500, Add		0.11	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	1.21	
		For Up To 100, Add		0.92	
		For >100 To 200, Add		0.48	
		For >200 To 500, Add		0.19	



		Concrete	03	CS
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	1.84	
		For Up To 100, Add	.....	1.41	
		For >100 To 200, Add	.....	0.74	
		For >200 To 500, Add	.....	0.30	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	2.56	
		For Up To 100, Add	.....	2.00	
		For >100 To 200, Add	.....	1.05	
		For >200 To 500, Add	.....	0.42	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	0.74	
		For Up To 100, Add	.....	0.56	
		For >100 To 200, Add	.....	0.30	
		For >200 To 500, Add	.....	0.12	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	1.26	
		For Up To 100, Add	.....	0.97	
		For >100 To 200, Add	.....	0.51	
		For >200 To 500, Add	.....	0.20	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	1.92	
		For Up To 100, Add	.....	1.49	
		For >100 To 200, Add	.....	0.78	
		For >200 To 500, Add	.....	0.31	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	2.67	
		For Up To 100, Add	.....	2.11	
		For >100 To 200, Add	.....	1.10	
		For >200 To 500, Add	.....	0.44	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	3.53	
		For Up To 100, Add	.....	2.18	
		For >100 To 200, Add	.....	1.24	
		For >200 To 400, Add	.....	0.59	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	4.45	
		For Up To 100, Add	.....	2.80	
		For >100 To 200, Add	.....	1.58	
		For >200 To 400, Add	.....	0.76	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	5.53	
		For Up To 100, Add	.....	3.51	
		For >100 To 200, Add	.....	1.97	
		For >200 To 400, Add	.....	0.95	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	6.83	
		For Up To 100, Add	.....	3.55	
		For >100 To 200, Add	.....	1.87	
		For >200 To 300, Add	.....	0.93	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	8.22	
		For Up To 100, Add	.....	4.31	
		For >100 To 200, Add	.....	2.26	
		For >200 To 300, Add	.....	1.13	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	11.54	
		For Up To 100, Add	.....	6.12	
		For >100 To 200, Add	.....	3.20	
		For >200 To 300, Add	.....	1.60	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	20.00	
		For Up To 100, Add	.....	10.73	
		For >100 To 200, Add	.....	5.58	
		For >200 To 300, Add	.....	2.79	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	2.79	
		For Up To 100, Add	.....	2.23	
		For >100 To 200, Add	.....	1.16	
		For >200 To 500, Add	.....	0.47	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	3.69	
		For Up To 100, Add	.....	2.30	
		For >100 To 200, Add	.....	1.30	
		For >200 To 400, Add	.....	0.62	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	4.65	
		For Up To 100, Add	.....	2.95	
		For >100 To 200, Add	.....	1.66	
		For >200 To 400, Add	.....	0.80	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	5.79	
		For Up To 100, Add	.....	3.71	
		For >100 To 200, Add	.....	2.08	
		For >200 To 400, Add	.....	1.00	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	7.16	
		For Up To 100, Add	.....	3.74	
		For >100 To 200, Add	.....	1.96	
		For >200 To 300, Add	.....	0.98	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	8.63	
		For Up To 100, Add	.....	4.56	
		For >100 To 200, Add	.....	2.38	
		For >200 To 300, Add	.....	1.19	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	12.13	
		For Up To 100, Add	.....	6.48	
		For >100 To 200, Add	.....	3.37	
		For >200 To 300, Add	.....	1.69	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	21.05	
		For Up To 100, Add	.....	11.36	
		For >100 To 200, Add	.....	5.89	
		For >200 To 300, Add	.....	2.95	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	0.76	
		For Up To 100, Add	.....	0.58	
		For >100 To 200, Add	.....	0.31	
		For >200 To 500, Add	.....	0.12	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	1.30	
		For Up To 100, Add	.....	1.01	
		For >100 To 200, Add	.....	0.53	
		For >200 To 500, Add	.....	0.21	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	1.98	
		For Up To 100, Add	.....	1.55	
		For >100 To 200, Add	.....	0.81	
		For >200 To 500, Add	.....	0.33	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	2.76	
		For Up To 100, Add	.....	2.20	
		For >100 To 200, Add	.....	1.15	
		For >200 To 500, Add	.....	0.46	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	3.65	
		For Up To 100, Add	.....	2.27	
		For >100 To 200, Add	.....	1.29	
		For >200 To 400, Add	.....	0.61	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	4.60	
		For Up To 100, Add	.....	2.91	
		For >100 To 200, Add	.....	1.64	
		For >200 To 400, Add	.....	0.79	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	5.73	
		For Up To 100, Add	.....	3.66	
		For >100 To 200, Add	.....	2.05	
		For >200 To 400, Add	.....	0.99	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	7.08	
		For Up To 100, Add	.....	3.70	
		For >100 To 200, Add	.....	1.94	
		For >200 To 300, Add	.....	0.97	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	8.53	
		For Up To 100, Add	.....	4.50	
		For >100 To 200, Add	.....	2.35	
		For >200 To 300, Add	.....	1.18	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	11.98	
		For Up To 100, Add	.....	6.39	
		For >100 To 200, Add	.....	3.33	
		For >200 To 300, Add	.....	1.66	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	20.78	
		For Up To 100, Add	.....	11.20	
		For >100 To 200, Add	.....	5.81	
		For >200 To 300, Add	.....	2.91	
03 21 11 00-0196		Walls, Steel Reinforcement Bar (03 21 11)			
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.			
03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	.....	0.67	
		For Up To 100, Add	.....	0.50	
		For >100 To 200, Add	.....	0.27	
		For >200 To 500, Add	.....	0.11	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	.....	1.14	
		For Up To 100, Add	.....	0.87	
		For >100 To 200, Add	.....	0.46	
		For >200 To 500, Add	.....	0.18	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	.....	1.72	
		For Up To 100, Add	.....	1.33	
		For >100 To 200, Add	.....	0.70	
		For >200 To 500, Add	.....	0.28	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	.....	2.41	
		For Up To 100, Add	.....	1.89	
		For >100 To 200, Add	.....	0.99	
		For >200 To 500, Add	.....	0.40	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	.....	0.69	
		For Up To 100, Add	.....	0.52	
		For >100 To 200, Add	.....	0.28	
		For >200 To 500, Add	.....	0.11	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	.....	1.17	
		For Up To 100, Add	.....	0.90	
		For >100 To 200, Add	.....	0.47	
		For >200 To 500, Add	.....	0.19	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	.....	1.78	
		For Up To 100, Add	.....	1.39	
		For >100 To 200, Add	.....	0.73	
		For >200 To 500, Add	.....	0.29	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	.....	2.49	
		For Up To 100, Add	.....	1.97	
		For >100 To 200, Add	.....	1.03	
		For >200 To 500, Add	.....	0.41	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	.....	0.72	
		For Up To 100, Add	.....	0.55	
		For >100 To 200, Add	.....	0.29	
		For >200 To 500, Add	.....	0.12	



Concrete		03	CS
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	.....	1.22	
		For Up To 100, Add	.....	0.95	
		For >100 To 200, Add	.....	0.50	
		For >200 To 500, Add	.....	0.20	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	.....	1.86	
		For Up To 100, Add	.....	1.47	
		For >100 To 200, Add	.....	0.77	
		For >200 To 500, Add	.....	0.31	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	.....	2.60	
		For Up To 100, Add	.....	2.08	
		For >100 To 200, Add	.....	1.09	
		For >200 To 500, Add	.....	0.43	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	.....	3.43	
		For Up To 100, Add	.....	2.15	
		For >100 To 200, Add	.....	1.21	
		For >200 To 400, Add	.....	0.58	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	.....	4.36	
		For Up To 100, Add	.....	2.77	
		For >100 To 200, Add	.....	1.56	
		For >200 To 400, Add	.....	0.75	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	.....	5.42	
		For Up To 100, Add	.....	3.47	
		For >100 To 200, Add	.....	1.95	
		For >200 To 400, Add	.....	0.94	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	.....	6.70	
		For Up To 100, Add	.....	3.51	
		For >100 To 200, Add	.....	1.84	
		For >200 To 300, Add	.....	0.92	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	.....	8.08	
		For Up To 100, Add	.....	4.27	
		For >100 To 200, Add	.....	2.23	
		For >200 To 300, Add	.....	1.12	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	.....	11.35	
		For Up To 100, Add	.....	6.07	
		For >100 To 200, Add	.....	3.16	
		For >200 To 300, Add	.....	1.58	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	.....	19.70	
		For Up To 100, Add	.....	10.64	
		For >100 To 200, Add	.....	5.52	
		For >200 To 300, Add	.....	2.76	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	.....	2.72	
		For Up To 100, Add	.....	2.20	
		For >100 To 200, Add	.....	1.15	
		For >200 To 500, Add	.....	0.46	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	.....	3.59	
		For Up To 100, Add	.....	2.27	
		For >100 To 200, Add	.....	1.28	
		For >200 To 400, Add	.....	0.61	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	.....	4.56	
		For Up To 100, Add	.....	2.92	
		For >100 To 200, Add	.....	1.64	
		For >200 To 400, Add	.....	0.79	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	.....	5.68	
		For Up To 100, Add	.....	3.67	
		For >100 To 200, Add	.....	2.05	
		For >200 To 400, Add	.....	0.99	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	.....	7.03	
		For Up To 100, Add	.....	3.71	
		For >100 To 200, Add	.....	1.94	
		For >200 To 300, Add	.....	0.97	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	.....	8.49	
		For Up To 100, Add	.....	4.52	
		For >100 To 200, Add	.....	2.36	
		For >200 To 300, Add	.....	1.18	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	.....	11.94	
		For Up To 100, Add	.....	6.42	
		For >100 To 200, Add	.....	3.33	
		For >200 To 300, Add	.....	1.67	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	.....	20.75	
		For Up To 100, Add	.....	11.27	
		For >100 To 200, Add	.....	5.83	
		For >200 To 300, Add	.....	2.92	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	0.74	
		For Up To 100, Add	.....	0.57	
		For >100 To 200, Add	.....	0.30	
		For >200 To 500, Add	.....	0.12	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	1.26	
		For Up To 100, Add	.....	0.99	
		For >100 To 200, Add	.....	0.52	
		For >200 To 500, Add	.....	0.21	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	1.92	
		For Up To 100, Add	.....	1.53	
		For >100 To 200, Add	.....	0.80	
		For >200 To 500, Add	.....	0.32	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	2.69	
		For Up To 100, Add	.....	2.17	
		For >100 To 200, Add	.....	1.13	
		For >200 To 500, Add	.....	0.45	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	3.55	
		For Up To 100, Add	.....	2.24	
		For >100 To 200, Add	.....	1.26	
		For >200 To 400, Add	.....	0.60	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	4.51	
		For Up To 100, Add	.....	2.88	
		For >100 To 200, Add	.....	1.62	
		For >200 To 400, Add	.....	0.78	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	5.62	
		For Up To 100, Add	.....	3.62	
		For >100 To 200, Add	.....	2.03	
		For >200 To 400, Add	.....	0.98	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	6.95	
		For Up To 100, Add	.....	3.66	
		For >100 To 200, Add	.....	1.91	
		For >200 To 300, Add	.....	0.96	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	8.39	
		For Up To 100, Add	.....	4.46	
		For >100 To 200, Add	.....	2.33	
		For >200 To 300, Add	.....	1.16	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	11.79	
		For Up To 100, Add	.....	6.33	
		For >100 To 200, Add	.....	3.29	
		For >200 To 300, Add	.....	1.64	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	20.48	
		For Up To 100, Add	.....	11.11	
		For >100 To 200, Add	.....	5.75	
		For >200 To 300, Add	.....	2.88	
03 21 11 00-0235		Mechanical Joint Connection (03 21 11)			
03 21 11 00-0236		Thermal Type Mechanical Joint Connection (03 21 11 00-0235)			
03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	.....	287.66	
03 21 11 00-0238		Screwed Type Mechanical Joint Connection (03 21 11 00-0235)			
03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	.....	155.86	
03 21 11 00-0240		Deformed Straight Dowels (03 21 11)			
		Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete.			
03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	.....	3.64	
		For Up To 12" Length, Deduct	.....	-0.50	
		For >12" To <24" Length, Deduct	.....	-0.25	
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	.....	4.38	
		For Up To 12" Length, Deduct	.....	-0.65	
		For >12" To <24" Length, Deduct	.....	-0.33	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	.....	5.47	
		For Up To 12" Length, Deduct	.....	-1.03	
		For >12" To <24" Length, Deduct	.....	-0.51	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	.....	6.76	
		For Up To 12" Length, Deduct	.....	-1.48	
		For >12" To <24" Length, Deduct	.....	-0.74	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	.....	8.13	
		For Up To 12" Length, Deduct	.....	-2.06	
		For >12" To <24" Length, Deduct	.....	-1.03	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	.....	10.28	
		For Up To 12" Length, Deduct	.....	-2.64	
		For >12" To <24" Length, Deduct	.....	-1.32	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	.....	12.19	
		For Up To 12" Length, Deduct	.....	-3.26	
		For >12" To <24" Length, Deduct	.....	-1.63	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	.....	15.06	
		For Up To 12" Length, Deduct	.....	-4.26	
		For >12" To <24" Length, Deduct	.....	-2.13	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	.....	17.97	
		For Up To 12" Length, Deduct	.....	-5.26	
		For >12" To <24" Length, Deduct	.....	-2.63	
03 21 11 00-0250		Spirals, Reinforcing Steel (03 21 11)			
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,651.27	
		For Grade 75, Add	.....	137.42	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,607.61	
		For Grade 75, Add	.....	137.42	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,574.32	
		For Grade 75, Add	.....	137.42	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,519.85	
		For Grade 75, Add	.....	137.42	



		Concrete	03	CS
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,446.21	
		For Grade 75, Add	137.42	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,418.43	
		For Grade 75, Add	140.80	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,356.78	
		For Grade 75, Add	140.80	
03 21 11 00-0258		Accessories For Reinforcing Steel (03 21 11)		
03 21 11 00-0259		Reinforcing Steel Lap-Weld Splice (03 21 11 00-0258)		
03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	71.22	
03 21 11 00-0261	EA	>#6 Reinforcing Steel Lap-Weld Splice	115.07	
03 21 11 00-0262		Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0258)		
03 21 11 00-0263	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	38.27	
03 21 11 00-0264	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	60.92	
03 21 11 00-0265	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	93.56	
03 21 13		Galvanized Reinforcement Steel Bars (03 21)		
03 21 13 00-0001		Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.02	
		For Up To 100, Add	0.76	
		For >100 To 200, Add	0.40	
		For >200 To 500, Add	0.16	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.74	
		For Up To 100, Add	1.32	
		For >100 To 200, Add	0.70	
		For >200 To 500, Add	0.28	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.63	
		For Up To 100, Add	2.02	
		For >100 To 200, Add	1.06	
		For >200 To 500, Add	0.43	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.68	
		For Up To 100, Add	2.88	
		For >100 To 200, Add	1.51	
		For >200 To 500, Add	0.60	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.04	
		For Up To 100, Add	0.78	
		For >100 To 200, Add	0.41	
		For >200 To 500, Add	0.17	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.78	
		For Up To 100, Add	1.36	
		For >100 To 200, Add	0.72	
		For >200 To 500, Add	0.29	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.69	
		For Up To 100, Add	2.08	
		For >100 To 200, Add	1.09	
		For >200 To 500, Add	0.44	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.76	
		For Up To 100, Add	2.96	
		For >100 To 200, Add	1.55	
		For >200 To 500, Add	0.62	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.06	
		For Up To 100, Add	0.80	
		For >100 To 200, Add	0.42	
		For >200 To 500, Add	0.17	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.83	
		For Up To 100, Add	1.41	
		For >100 To 200, Add	0.74	
		For >200 To 500, Add	0.30	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.77	
		For Up To 100, Add	2.16	
		For >100 To 200, Add	1.13	
		For >200 To 500, Add	0.45	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.87	
		For Up To 100, Add	3.07	
		For >100 To 200, Add	1.60	
		For >200 To 500, Add	0.64	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.09	
		For Up To 100, Add	3.16	
		For >100 To 200, Add	1.79	
		For >200 To 400, Add	0.85	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.43	
		For Up To 100, Add	4.05	
		For >100 To 200, Add	2.28	
		For >200 To 400, Add	1.09	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.00	
		For Up To 100, Add	5.10	
		For >100 To 200, Add	2.86	
		For >200 To 400, Add	1.37	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	9.89	
		For Up To 100, Add		5.15	
		For >100 To 200, Add		2.70	
		For >200 To 300, Add		1.35	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	11.91	
		For Up To 100, Add		6.26	
		For >100 To 200, Add		3.28	
		For >200 To 300, Add		1.64	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	16.72	
		For Up To 100, Add		8.89	
		For >100 To 200, Add		4.63	
		For >200 To 300, Add		2.32	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	28.98	
		For Up To 100, Add		15.58	
		For >100 To 200, Add		8.09	
		For >200 To 300, Add		4.05	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	3.99	
		For Up To 100, Add		3.19	
		For >100 To 200, Add		1.66	
		For >200 To 500, Add		0.66	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	5.25	
		For Up To 100, Add		3.28	
		For >100 To 200, Add		1.85	
		For >200 To 400, Add		0.89	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	6.64	
		For Up To 100, Add		4.21	
		For >100 To 200, Add		2.37	
		For >200 To 400, Add		1.14	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	8.26	
		For Up To 100, Add		5.29	
		For >100 To 200, Add		2.97	
		For >200 To 400, Add		1.43	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	10.22	
		For Up To 100, Add		5.34	
		For >100 To 200, Add		2.80	
		For >200 To 300, Add		1.40	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	12.32	
		For Up To 100, Add		6.51	
		For >100 To 200, Add		3.40	
		For >200 To 300, Add		1.70	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	17.31	
		For Up To 100, Add		9.24	
		For >100 To 200, Add		4.81	
		For >200 To 300, Add		2.41	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	30.03	
		For Up To 100, Add		16.21	
		For >100 To 200, Add		8.41	
		For >200 To 300, Add		4.20	
03 21 13 00-0029		Columns, Galvanized Steel Reinforcement Bar (03 21 13)			
		Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	.....	1.05	
		For Up To 100, Add		0.77	
		For >100 To 200, Add		0.41	
		For >200 To 500, Add		0.16	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	.....	1.81	
		For Up To 100, Add		1.35	
		For >100 To 200, Add		0.71	
		For >200 To 500, Add		0.29	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	.....	2.72	
		For Up To 100, Add		2.06	
		For >100 To 200, Add		1.09	
		For >200 To 500, Add		0.43	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	.....	3.81	
		For Up To 100, Add		2.93	
		For >100 To 200, Add		1.54	
		For >200 To 500, Add		0.62	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	.....	1.07	
		For Up To 100, Add		0.79	
		For >100 To 200, Add		0.42	
		For >200 To 500, Add		0.17	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	.....	1.85	
		For Up To 100, Add		1.39	
		For >100 To 200, Add		0.73	
		For >200 To 500, Add		0.29	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	.....	2.78	
		For Up To 100, Add		2.12	
		For >100 To 200, Add		1.12	
		For >200 To 500, Add		0.45	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	.....	3.89	
		For Up To 100, Add		3.01	
		For >100 To 200, Add		1.58	
		For >200 To 500, Add		0.63	



Concrete		03	CS
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0038 LF #3, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.09	
For Up To 100, Add	0.81	
For >100 To 200, Add	0.43	
For >200 To 500, Add	0.17	
03 21 13 00-0039 LF #4, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.90	
For Up To 100, Add	1.44	
For >100 To 200, Add	0.76	
For >200 To 500, Add	0.30	
03 21 13 00-0040 LF #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	2.86	
For Up To 100, Add	2.20	
For >100 To 200, Add	1.16	
For >200 To 500, Add	0.46	
03 21 13 00-0041 LF #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	4.00	
For Up To 100, Add	3.12	
For >100 To 200, Add	1.63	
For >200 To 500, Add	0.65	
03 21 13 00-0042 LF #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	5.26	
For Up To 100, Add	3.22	
For >100 To 200, Add	1.83	
For >200 To 400, Add	0.87	
03 21 13 00-0043 LF #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	6.62	
For Up To 100, Add	4.12	
For >100 To 200, Add	2.33	
For >200 To 400, Add	1.11	
03 21 13 00-0044 LF #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	8.22	
For Up To 100, Add	5.17	
For >100 To 200, Add	2.92	
For >200 To 400, Add	1.40	
03 21 13 00-0045 LF #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	10.14	
For Up To 100, Add	5.22	
For >100 To 200, Add	2.75	
For >200 To 300, Add	1.38	
03 21 13 00-0046 LF #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	12.20	
For Up To 100, Add	6.35	
For >100 To 200, Add	3.34	
For >200 To 300, Add	1.67	
03 21 13 00-0047 LF #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	17.11	
For Up To 100, Add	9.00	
For >100 To 200, Add	4.71	
For >200 To 300, Add	2.36	
03 21 13 00-0048 LF #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	29.58	
For Up To 100, Add	15.76	
For >100 To 200, Add	8.21	
For >200 To 300, Add	4.11	
03 21 13 00-0049 LF #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	4.12	
For Up To 100, Add	3.24	
For >100 To 200, Add	1.69	
For >200 To 500, Add	0.68	
03 21 13 00-0050 LF #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	5.42	
For Up To 100, Add	3.34	
For >100 To 200, Add	1.90	
For >200 To 400, Add	0.90	
03 21 13 00-0051 LF #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	6.83	
For Up To 100, Add	4.27	
For >100 To 200, Add	2.41	
For >200 To 400, Add	1.15	
03 21 13 00-0052 LF #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	8.48	
For Up To 100, Add	5.37	
For >100 To 200, Add	3.02	
For >200 To 400, Add	1.45	
03 21 13 00-0053 LF #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	10.47	
For Up To 100, Add	5.42	
For >100 To 200, Add	2.85	
For >200 To 300, Add	1.43	
03 21 13 00-0054 LF #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	12.61	
For Up To 100, Add	6.59	
For >100 To 200, Add	3.46	
For >200 To 300, Add	1.73	
03 21 13 00-0055 LF #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	17.70	
For Up To 100, Add	9.36	
For >100 To 200, Add	4.89	
For >200 To 300, Add	2.44	
03 21 13 00-0056 LF #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	30.63	
For Up To 100, Add	16.39	
For >100 To 200, Add	8.53	
For >200 To 300, Add	4.26	
03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar (03 21 13)		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0058 LF #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	0.95	
For Up To 100, Add	0.73	
For >100 To 200, Add	0.39	
For >200 To 500, Add	0.15	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0059 LF #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar 1.64 For Up To 100, Add 1.28 For >100 To 200, Add 0.67 For >200 To 500, Add 0.27		
03 21 13 00-0060 LF #5, Grade 40, Footings, Galvanized Steel Reinforcement Bar 2.48 For Up To 100, Add 1.96 For >100 To 200, Add 1.03 For >200 To 500, Add 0.41		
03 21 13 00-0061 LF #6, Grade 40, Footings, Galvanized Steel Reinforcement Bar 3.48 For Up To 100, Add 2.80 For >100 To 200, Add 1.46 For >200 To 500, Add 0.58		
03 21 13 00-0062 LF #3, Grade 50, Footings, Galvanized Steel Reinforcement Bar 0.97 For Up To 100, Add 0.75 For >100 To 200, Add 0.40 For >200 To 500, Add 0.16		
03 21 13 00-0063 LF #4, Grade 50, Footings, Galvanized Steel Reinforcement Bar 1.68 For Up To 100, Add 1.32 For >100 To 200, Add 0.69 For >200 To 500, Add 0.28		
03 21 13 00-0064 LF #5, Grade 50, Footings, Galvanized Steel Reinforcement Bar 2.54 For Up To 100, Add 2.02 For >100 To 200, Add 1.06 For >200 To 500, Add 0.42		
03 21 13 00-0065 LF #6, Grade 50, Footings, Galvanized Steel Reinforcement Bar 3.56 For Up To 100, Add 2.88 For >100 To 200, Add 1.50 For >200 To 500, Add 0.60		
03 21 13 00-0066 LF #3, Grade 60, Footings, Galvanized Steel Reinforcement Bar 0.99 For Up To 100, Add 0.77 For >100 To 200, Add 0.41 For >200 To 500, Add 0.16		
03 21 13 00-0067 LF #4, Grade 60, Footings, Galvanized Steel Reinforcement Bar 1.73 For Up To 100, Add 1.37 For >100 To 200, Add 0.72 For >200 To 500, Add 0.29		
03 21 13 00-0068 LF #5, Grade 60, Footings, Galvanized Steel Reinforcement Bar 2.62 For Up To 100, Add 2.10 For >100 To 200, Add 1.10 For >200 To 500, Add 0.44		
03 21 13 00-0069 LF #6, Grade 60, Footings, Galvanized Steel Reinforcement Bar 3.67 For Up To 100, Add 2.99 For >100 To 200, Add 1.55 For >200 To 500, Add 0.62		
03 21 13 00-0070 LF #7, Grade 60, Footings, Galvanized Steel Reinforcement Bar 4.85 For Up To 100, Add 3.08 For >100 To 200, Add 1.73 For >200 To 400, Add 0.83		
03 21 13 00-0071 LF #8, Grade 60, Footings, Galvanized Steel Reinforcement Bar 6.14 For Up To 100, Add 3.95 For >100 To 200, Add 2.21 For >200 To 400, Add 1.06		
03 21 13 00-0072 LF #9, Grade 60, Footings, Galvanized Steel Reinforcement Bar 7.66 For Up To 100, Add 4.98 For >100 To 200, Add 2.78 For >200 To 400, Add 1.34		
03 21 13 00-0073 LF #10, Grade 60, Footings, Galvanized Steel Reinforcement Bar 9.49 For Up To 100, Add 5.03 For >100 To 200, Add 2.62 For >200 To 300, Add 1.31		
03 21 13 00-0074 LF #11, Grade 60, Footings, Galvanized Steel Reinforcement Bar 11.47 For Up To 100, Add 6.13 For >100 To 200, Add 3.19 For >200 To 300, Add 1.60		
03 21 13 00-0075 LF #14, Grade 60, Footings, Galvanized Steel Reinforcement Bar 16.15 For Up To 100, Add 8.72 For >100 To 200, Add 4.52 For >200 To 300, Add 2.26		
03 21 13 00-0076 LF #18, Grade 60, Footings, Galvanized Steel Reinforcement Bar 28.06 For Up To 100, Add 15.30 For >100 To 200, Add 7.91 For >200 To 300, Add 3.95		
03 21 13 00-0077 LF #6, Grade 75, Footings, Galvanized Steel Reinforcement Bar 3.79 For Up To 100, Add 3.11 For >100 To 200, Add 1.61 For >200 To 500, Add 0.64		
03 21 13 00-0078 LF #7, Grade 75, Footings, Galvanized Steel Reinforcement Bar 5.01 For Up To 100, Add 3.20 For >100 To 200, Add 1.79 For >200 To 400, Add 0.86		
03 21 13 00-0079 LF #8, Grade 75, Footings, Galvanized Steel Reinforcement Bar 6.35 For Up To 100, Add 4.11 For >100 To 200, Add 2.29 For >200 To 400, Add 1.11		



	Concrete	03	
	Concrete Reinforcing	03 20	
	Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	7.92	
		For Up To 100, Add	.....	5.17	
		For >100 To 200, Add	.....	2.88	
		For >200 To 400, Add	.....	1.39	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	9.82	
		For Up To 100, Add	.....	5.22	
		For >100 To 200, Add	.....	2.72	
		For >200 To 300, Add	.....	1.36	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	11.88	
		For Up To 100, Add	.....	6.38	
		For >100 To 200, Add	.....	3.31	
		For >200 To 300, Add	.....	1.66	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	16.74	
		For Up To 100, Add	.....	9.07	
		For >100 To 200, Add	.....	4.70	
		For >200 To 300, Add	.....	2.35	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	29.11	
		For Up To 100, Add	.....	15.93	
		For >100 To 200, Add	.....	8.22	
		For >200 To 300, Add	.....	4.11	
03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)					
Note: ASTM A-767 Hot Dipped Galvanized Steel.					
03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	0.93	
		For Up To 100, Add	.....	0.73	
		For >100 To 200, Add	.....	0.38	
		For >200 To 500, Add	.....	0.15	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	1.60	
		For Up To 100, Add	.....	1.26	
		For >100 To 200, Add	.....	0.66	
		For >200 To 500, Add	.....	0.26	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	2.43	
		For Up To 100, Add	.....	1.94	
		For >100 To 200, Add	.....	1.01	
		For >200 To 500, Add	.....	0.41	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	3.40	
		For Up To 100, Add	.....	2.76	
		For >100 To 200, Add	.....	1.44	
		For >200 To 500, Add	.....	0.57	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	0.95	
		For Up To 100, Add	.....	0.75	
		For >100 To 200, Add	.....	0.39	
		For >200 To 500, Add	.....	0.16	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	1.64	
		For Up To 100, Add	.....	1.30	
		For >100 To 200, Add	.....	0.68	
		For >200 To 500, Add	.....	0.27	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	2.49	
		For Up To 100, Add	.....	2.00	
		For >100 To 200, Add	.....	1.04	
		For >200 To 500, Add	.....	0.42	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	3.48	
		For Up To 100, Add	.....	2.84	
		For >100 To 200, Add	.....	1.48	
		For >200 To 500, Add	.....	0.59	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	0.97	
		For Up To 100, Add	.....	0.77	
		For >100 To 200, Add	.....	0.40	
		For >200 To 500, Add	.....	0.16	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	1.69	
		For Up To 100, Add	.....	1.35	
		For >100 To 200, Add	.....	0.71	
		For >200 To 500, Add	.....	0.28	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	2.57	
		For Up To 100, Add	.....	2.08	
		For >100 To 200, Add	.....	1.08	
		For >200 To 500, Add	.....	0.43	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	3.59	
		For Up To 100, Add	.....	2.95	
		For >100 To 200, Add	.....	1.53	
		For >200 To 500, Add	.....	0.61	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	4.77	
		For Up To 100, Add	.....	3.05	
		For >100 To 200, Add	.....	1.71	
		For >200 To 400, Add	.....	0.82	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	6.05	
		For Up To 100, Add	.....	3.92	
		For >100 To 200, Add	.....	2.19	
		For >200 To 400, Add	.....	1.06	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	7.55	
		For Up To 100, Add	.....	4.94	
		For >100 To 200, Add	.....	2.75	
		For >200 To 400, Add	.....	1.33	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	9.36	
		For Up To 100, Add		4.99	
		For >100 To 200, Add		2.60	
		For >200 To 300, Add		1.30	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	11.32	
		For Up To 100, Add		6.08	
		For >100 To 200, Add		3.16	
		For >200 To 300, Add		1.58	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	15.95	
		For Up To 100, Add		8.66	
		For >100 To 200, Add		4.48	
		For >200 To 300, Add		2.24	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	27.77	
		For Up To 100, Add		15.21	
		For >100 To 200, Add		7.85	
		For >200 To 300, Add		3.92	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	3.71	
		For Up To 100, Add		3.07	
		For >100 To 200, Add		1.59	
		For >200 To 500, Add		0.64	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	4.93	
		For Up To 100, Add		3.17	
		For >100 To 200, Add		1.77	
		For >200 To 400, Add		0.85	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	6.26	
		For Up To 100, Add		4.08	
		For >100 To 200, Add		2.27	
		For >200 To 400, Add		1.10	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	7.81	
		For Up To 100, Add		5.13	
		For >100 To 200, Add		2.85	
		For >200 To 400, Add		1.38	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	9.69	
		For Up To 100, Add		5.18	
		For >100 To 200, Add		2.70	
		For >200 To 300, Add		1.35	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	11.73	
		For Up To 100, Add		6.33	
		For >100 To 200, Add		3.28	
		For >200 To 300, Add		1.64	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	16.54	
		For Up To 100, Add		9.01	
		For >100 To 200, Add		4.66	
		For >200 To 300, Add		2.33	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	28.82	
		For Up To 100, Add		15.84	
		For >100 To 200, Add		8.16	
		For >200 To 300, Add		4.08	
03 21 13 00-0113		Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)			
		Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	0.89	
		For Up To 100, Add		0.71	
		For >100 To 200, Add		0.37	
		For >200 To 500, Add		0.15	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	1.53	
		For Up To 100, Add		1.24	
		For >100 To 200, Add		0.64	
		For >200 To 500, Add		0.26	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	2.33	
		For Up To 100, Add		1.90	
		For >100 To 200, Add		0.99	
		For >200 To 500, Add		0.40	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	3.27	
		For Up To 100, Add		2.71	
		For >100 To 200, Add		1.40	
		For >200 To 500, Add		0.56	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	0.91	
		For Up To 100, Add		0.73	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	1.57	
		For Up To 100, Add		1.28	
		For >100 To 200, Add		0.66	
		For >200 To 500, Add		0.27	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	2.39	
		For Up To 100, Add		1.96	
		For >100 To 200, Add		1.02	
		For >200 To 500, Add		0.41	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	3.35	
		For Up To 100, Add		2.79	
		For >100 To 200, Add		1.44	
		For >200 To 500, Add		0.58	



Concrete		03	CS
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.93	
		For Up To 100, Add	0.75	
		For >100 To 200, Add	0.39	
		For >200 To 500, Add	0.16	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.62	
		For Up To 100, Add	1.33	
		For >100 To 200, Add	0.69	
		For >200 To 500, Add	0.28	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.47	
		For Up To 100, Add	2.04	
		For >100 To 200, Add	1.06	
		For >200 To 500, Add	0.42	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.46	
		For Up To 100, Add	2.90	
		For >100 To 200, Add	1.50	
		For >200 To 500, Add	0.60	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.61	
		For Up To 100, Add	2.99	
		For >100 To 200, Add	1.67	
		For >200 To 400, Add	0.61	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.85	
		For Up To 100, Add	3.85	
		For >100 To 200, Add	2.14	
		For >200 To 400, Add	1.04	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.33	
		For Up To 100, Add	4.66	
		For >100 To 200, Add	2.69	
		For >200 To 400, Add	1.31	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.10	
		For Up To 100, Add	4.91	
		For >100 To 200, Add	2.55	
		For >200 To 300, Add	1.27	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.02	
		For Up To 100, Add	5.99	
		For >100 To 200, Add	3.10	
		For >200 To 300, Add	1.55	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.57	
		For Up To 100, Add	8.54	
		For >100 To 200, Add	4.40	
		For >200 To 300, Add	2.20	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	27.17	
		For Up To 100, Add	15.03	
		For >100 To 200, Add	7.73	
		For >200 To 300, Add	3.66	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.58	
		For Up To 100, Add	3.02	
		For >100 To 200, Add	1.56	
		For >200 To 500, Add	0.62	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.77	
		For Up To 100, Add	3.11	
		For >100 To 200, Add	1.73	
		For >200 To 400, Add	0.84	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.06	
		For Up To 100, Add	4.01	
		For >100 To 200, Add	2.22	
		For >200 To 400, Add	1.08	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.59	
		For Up To 100, Add	5.06	
		For >100 To 200, Add	2.80	
		For >200 To 400, Add	1.36	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.43	
		For Up To 100, Add	5.11	
		For >100 To 200, Add	2.65	
		For >200 To 300, Add	1.32	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.43	
		For Up To 100, Add	6.24	
		For >100 To 200, Add	3.22	
		For >200 To 300, Add	1.61	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	16.16	
		For Up To 100, Add	8.90	
		For >100 To 200, Add	4.58	
		For >200 To 300, Add	2.29	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	28.22	
		For Up To 100, Add	15.66	
		For >100 To 200, Add	8.04	
		For >200 To 300, Add	4.02	
03 21 13 00-0141		Walls, Galvanized Steel Reinforcement Bar (03 21 13)		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.87	
		For Up To 100, Add	0.70	
		For >100 To 200, Add	0.37	
		For >200 To 500, Add	0.15	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0143 LF #4, Grade 40, Walls, Galvanized Steel Reinforcement Bar 1.49		
For Up To 100, Add	1.22	
For >100 To 200, Add	0.63	
For >200 To 500, Add	0.25	
03 21 13 00-0144 LF #5, Grade 40, Walls, Galvanized Steel Reinforcement Bar 2.27		
For Up To 100, Add	1.88	
For >100 To 200, Add	0.97	
For >200 To 500, Add	0.39	
03 21 13 00-0145 LF #6, Grade 40, Walls, Galvanized Steel Reinforcement Bar 3.20		
For Up To 100, Add	2.68	
For >100 To 200, Add	1.39	
For >200 To 500, Add	0.55	
03 21 13 00-0146 LF #3, Grade 50, Walls, Galvanized Steel Reinforcement Bar 0.89		
For Up To 100, Add	0.72	
For >100 To 200, Add	0.38	
For >200 To 500, Add	0.15	
03 21 13 00-0147 LF #4, Grade 50, Walls, Galvanized Steel Reinforcement Bar 1.53		
For Up To 100, Add	1.26	
For >100 To 200, Add	0.65	
For >200 To 500, Add	0.26	
03 21 13 00-0148 LF #5, Grade 50, Walls, Galvanized Steel Reinforcement Bar 2.33		
For Up To 100, Add	1.94	
For >100 To 200, Add	1.00	
For >200 To 500, Add	0.40	
03 21 13 00-0149 LF #6, Grade 50, Walls, Galvanized Steel Reinforcement Bar 3.28		
For Up To 100, Add	2.76	
For >100 To 200, Add	1.43	
For >200 To 500, Add	0.57	
03 21 13 00-0150 LF #3, Grade 60, Walls, Galvanized Steel Reinforcement Bar 0.91		
For Up To 100, Add	0.74	
For >100 To 200, Add	0.39	
For >200 To 500, Add	0.15	
03 21 13 00-0151 LF #4, Grade 60, Walls, Galvanized Steel Reinforcement Bar 1.58		
For Up To 100, Add	1.31	
For >100 To 200, Add	0.68	
For >200 To 500, Add	0.27	
03 21 13 00-0152 LF #5, Grade 60, Walls, Galvanized Steel Reinforcement Bar 2.41		
For Up To 100, Add	2.02	
For >100 To 200, Add	1.04	
For >200 To 500, Add	0.42	
03 21 13 00-0153 LF #6, Grade 60, Walls, Galvanized Steel Reinforcement Bar 3.39		
For Up To 100, Add	2.87	
For >100 To 200, Add	1.48	
For >200 To 500, Add	0.59	
03 21 13 00-0154 LF #7, Grade 60, Walls, Galvanized Steel Reinforcement Bar 4.51		
For Up To 100, Add	2.96	
For >100 To 200, Add	1.65	
For >200 To 400, Add	0.80	
03 21 13 00-0155 LF #8, Grade 60, Walls, Galvanized Steel Reinforcement Bar 5.76		
For Up To 100, Add	3.82	
For >100 To 200, Add	2.12	
For >200 To 400, Add	1.03	
03 21 13 00-0156 LF #9, Grade 60, Walls, Galvanized Steel Reinforcement Bar 7.22		
For Up To 100, Add	4.82	
For >100 To 200, Add	2.67	
For >200 To 400, Add	1.30	
03 21 13 00-0157 LF #10, Grade 60, Walls, Galvanized Steel Reinforcement Bar 8.97		
For Up To 100, Add	4.87	
For >100 To 200, Add	2.52	
For >200 To 300, Add	1.26	
03 21 13 00-0158 LF #11, Grade 60, Walls, Galvanized Steel Reinforcement Bar 10.88		
For Up To 100, Add	5.95	
For >100 To 200, Add	3.07	
For >200 To 300, Add	1.54	
03 21 13 00-0159 LF #14, Grade 60, Walls, Galvanized Steel Reinforcement Bar 15.38		
For Up To 100, Add	8.48	
For >100 To 200, Add	4.37	
For >200 To 300, Add	2.18	
03 21 13 00-0160 LF #18, Grade 60, Walls, Galvanized Steel Reinforcement Bar 26.87		
For Up To 100, Add	14.94	
For >100 To 200, Add	7.67	
For >200 To 300, Add	3.83	
03 21 13 00-0161 LF #6, Grade 75, Walls, Galvanized Steel Reinforcement Bar 3.51		
For Up To 100, Add	2.99	
For >100 To 200, Add	1.54	
For >200 To 500, Add	0.62	
03 21 13 00-0162 LF #7, Grade 75, Walls, Galvanized Steel Reinforcement Bar 4.67		
For Up To 100, Add	3.08	
For >100 To 200, Add	1.71	
For >200 To 400, Add	0.83	
03 21 13 00-0163 LF #8, Grade 75, Walls, Galvanized Steel Reinforcement Bar 5.97		
For Up To 100, Add	3.97	
For >100 To 200, Add	2.20	
For >200 To 400, Add	1.07	



Concrete		03	CS
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0164 LF #9, Grade 75, Walls, Galvanized Steel Reinforcement Bar 7.48 For Up To 100, Add 5.02 For >100 To 200, Add 2.77 For >200 To 400, Add 1.35		
03 21 13 00-0165 LF #10, Grade 75, Walls, Galvanized Steel Reinforcement Bar 9.30 For Up To 100, Add 5.07 For >100 To 200, Add 2.62 For >200 To 300, Add 1.31		
03 21 13 00-0166 LF #11, Grade 75, Walls, Galvanized Steel Reinforcement Bar 11.29 For Up To 100, Add 6.20 For >100 To 200, Add 3.20 For >200 To 300, Add 1.60		
03 21 13 00-0167 LF #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar 15.97 For Up To 100, Add 8.84 For >100 To 200, Add 4.54 For >200 To 300, Add 2.27		
03 21 13 00-0168 LF #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar 27.92 For Up To 100, Add 15.57 For >100 To 200, Add 7.98 For >200 To 300, Add 3.99		

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002 LF #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 0.99 For Up To 100, Add 0.73 For >100 To 200, Add 0.39 For >200 To 500, Add 0.16		
03 21 16 00-0003 LF #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 1.70 For Up To 100, Add 1.28 For >100 To 200, Add 0.68 For >200 To 500, Add 0.27		
03 21 16 00-0004 LF #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 2.57 For Up To 100, Add 1.96 For >100 To 200, Add 1.03 For >200 To 500, Add 0.41		
03 21 16 00-0005 LF #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 3.59 For Up To 100, Add 2.79 For >100 To 200, Add 1.46 For >200 To 500, Add 0.58		
03 21 16 00-0006 LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 1.01 For Up To 100, Add 0.75 For >100 To 200, Add 0.40 For >200 To 500, Add 0.16		
03 21 16 00-0007 LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 1.74 For Up To 100, Add 1.32 For >100 To 200, Add 0.70 For >200 To 500, Add 0.28		
03 21 16 00-0008 LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 2.63 For Up To 100, Add 2.02 For >100 To 200, Add 1.06 For >200 To 500, Add 0.43		
03 21 16 00-0009 LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 3.67 For Up To 100, Add 2.87 For >100 To 200, Add 1.50 For >200 To 500, Add 0.60		
03 21 16 00-0010 LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 1.04 For Up To 100, Add 0.78 For >100 To 200, Add 0.41 For >200 To 500, Add 0.17		
03 21 16 00-0011 LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 1.79 For Up To 100, Add 1.37 For >100 To 200, Add 0.72 For >200 To 500, Add 0.29		
03 21 16 00-0012 LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 2.71 For Up To 100, Add 2.10 For >100 To 200, Add 1.10 For >200 To 500, Add 0.44		
03 21 16 00-0013 LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 3.79 For Up To 100, Add 2.99 For >100 To 200, Add 1.56 For >200 To 500, Add 0.62		
03 21 16 00-0014 LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 4.97 For Up To 100, Add 3.07 For >100 To 200, Add 1.74 For >200 To 400, Add 0.83		
03 21 16 00-0015 LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 6.28 For Up To 100, Add 3.94 For >100 To 200, Add 2.22 For >200 To 400, Add 1.06		
03 21 16 00-0016 LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar 7.80 For Up To 100, Add 4.95 For >100 To 200, Add 2.78 For >200 To 400, Add 1.33		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.64	
		For Up To 100, Add	5.00	
		For >100 To 200, Add	2.63	
		For >200 To 300, Add	1.31	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.61	
		For Up To 100, Add	6.08	
		For >100 To 200, Add	3.19	
		For >200 To 300, Add	1.59	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.28	
		For Up To 100, Add	8.62	
		For >100 To 200, Add	4.50	
		For >200 To 300, Add	2.25	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	28.20	
		For Up To 100, Add	15.11	
		For >100 To 200, Add	7.86	
		For >200 To 300, Add	3.93	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.90	
		For Up To 100, Add	3.10	
		For >100 To 200, Add	1.62	
		For >200 To 500, Add	0.65	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.13	
		For Up To 100, Add	3.19	
		For >100 To 200, Add	1.81	
		For >200 To 400, Add	0.86	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.49	
		For Up To 100, Add	4.10	
		For >100 To 200, Add	2.31	
		For >200 To 400, Add	1.11	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.06	
		For Up To 100, Add	5.14	
		For >100 To 200, Add	2.89	
		For >200 To 400, Add	1.39	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.97	
		For Up To 100, Add	5.19	
		For >100 To 200, Add	2.73	
		For >200 To 300, Add	1.36	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	12.02	
		For Up To 100, Add	6.33	
		For >100 To 200, Add	3.31	
		For >200 To 300, Add	1.66	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.87	
		For Up To 100, Add	8.98	
		For >100 To 200, Add	4.68	
		For >200 To 300, Add	2.34	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	29.25	
		For Up To 100, Add	15.74	
		For >100 To 200, Add	8.17	
		For >200 To 300, Add	4.09	
03 21 16 00-0029		Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16) Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.02	
		For Up To 100, Add	0.74	
		For >100 To 200, Add	0.40	
		For >200 To 500, Add	0.16	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.77	
		For Up To 100, Add	1.31	
		For >100 To 200, Add	0.69	
		For >200 To 500, Add	0.28	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.66	
		For Up To 100, Add	2.00	
		For >100 To 200, Add	1.06	
		For >200 To 500, Add	0.42	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.72	
		For Up To 100, Add	2.84	
		For >100 To 200, Add	1.49	
		For >200 To 500, Add	0.60	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.04	
		For Up To 100, Add	0.76	
		For >100 To 200, Add	0.41	
		For >200 To 500, Add	0.16	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.81	
		For Up To 100, Add	1.35	
		For >100 To 200, Add	0.71	
		For >200 To 500, Add	0.29	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.72	
		For Up To 100, Add	2.06	
		For >100 To 200, Add	1.09	
		For >200 To 500, Add	0.43	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.80	
		For Up To 100, Add	2.92	
		For >100 To 200, Add	1.53	
		For >200 To 500, Add	0.61	



Concrete		03	CS
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	1.07	
		For Up To 100, Add		0.79	
		For >100 To 200, Add		0.42	
		For >200 To 500, Add		0.17	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	1.86	
		For Up To 100, Add		1.40	
		For >100 To 200, Add		0.74	
		For >200 To 500, Add		0.30	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	2.80	
		For Up To 100, Add		2.14	
		For >100 To 200, Add		1.13	
		For >200 To 500, Add		0.45	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	3.92	
		For Up To 100, Add		3.04	
		For >100 To 200, Add		1.59	
		For >200 To 500, Add		0.64	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	5.14	
		For Up To 100, Add		3.13	
		For >100 To 200, Add		1.78	
		For >200 To 400, Add		0.85	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	6.47	
		For Up To 100, Add		4.00	
		For >100 To 200, Add		2.27	
		For >200 To 400, Add		1.08	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	8.02	
		For Up To 100, Add		5.02	
		For >100 To 200, Add		2.84	
		For >200 To 400, Add		1.36	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	9.89	
		For Up To 100, Add		5.07	
		For >100 To 200, Add		2.68	
		For >200 To 300, Add		1.34	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	11.90	
		For Up To 100, Add		6.17	
		For >100 To 200, Add		3.25	
		For >200 To 300, Add		1.62	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	16.67	
		For Up To 100, Add		8.74	
		For >100 To 200, Add		4.58	
		For >200 To 300, Add		2.29	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	28.80	
		For Up To 100, Add		15.29	
		For >100 To 200, Add		7.98	
		For >200 To 300, Add		3.99	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	4.03	
		For Up To 100, Add		3.15	
		For >100 To 200, Add		1.65	
		For >200 To 500, Add		0.66	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	5.30	
		For Up To 100, Add		3.25	
		For >100 To 200, Add		1.85	
		For >200 To 400, Add		0.88	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	6.68	
		For Up To 100, Add		4.16	
		For >100 To 200, Add		2.35	
		For >200 To 400, Add		1.12	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	8.28	
		For Up To 100, Add		5.22	
		For >100 To 200, Add		2.94	
		For >200 To 400, Add		1.41	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	10.22	
		For Up To 100, Add		5.27	
		For >100 To 200, Add		2.78	
		For >200 To 300, Add		1.39	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	12.31	
		For Up To 100, Add		6.41	
		For >100 To 200, Add		3.37	
		For >200 To 300, Add		1.68	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	17.26	
		For Up To 100, Add		9.09	
		For >100 To 200, Add		4.76	
		For >200 To 300, Add		2.38	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	29.85	
		For Up To 100, Add		15.92	
		For >100 To 200, Add		8.29	
		For >200 To 300, Add		4.15	
03 21 16 00-0057		Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)			
		Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	0.92	
		For Up To 100, Add		0.70	
		For >100 To 200, Add		0.37	
		For >200 To 500, Add		0.15	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0059 LF #4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.60	
For Up To 100, Add	1.24	
For >100 To 200, Add	0.65	
For >200 To 500, Add	0.26	
03 21 16 00-0060 LF #5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.42	
For Up To 100, Add	1.90	
For >100 To 200, Add	1.00	
For >200 To 500, Add	0.40	
03 21 16 00-0061 LF #6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.39	
For Up To 100, Add	2.71	
For >100 To 200, Add	1.41	
For >200 To 500, Add	0.56	
03 21 16 00-0062 LF #3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	0.94	
For Up To 100, Add	0.72	
For >100 To 200, Add	0.38	
For >200 To 500, Add	0.15	
03 21 16 00-0063 LF #4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.64	
03 21 16 00-0064 LF #5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.48	
For Up To 100, Add	1.96	
For >100 To 200, Add	1.03	
For >200 To 500, Add	0.41	
03 21 16 00-0065 LF #6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.47	
For Up To 100, Add	2.79	
For >100 To 200, Add	1.45	
For >200 To 500, Add	0.58	
03 21 16 00-0066 LF #3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	0.97	
For Up To 100, Add	0.75	
For >100 To 200, Add	0.40	
For >200 To 500, Add	0.16	
03 21 16 00-0067 LF #4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.69	
For Up To 100, Add	1.33	
For >100 To 200, Add	0.70	
For >200 To 500, Add	0.28	
03 21 16 00-0068 LF #5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.56	
For Up To 100, Add	2.04	
For >100 To 200, Add	1.07	
For >200 To 500, Add	0.43	
03 21 16 00-0069 LF #6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.59	
For Up To 100, Add	2.91	
For >100 To 200, Add	1.51	
For >200 To 500, Add	0.60	
03 21 16 00-0070 LF #7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.73	
For Up To 100, Add	2.99	
For >100 To 200, Add	1.68	
For >200 To 400, Add	0.81	
03 21 16 00-0071 LF #8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	5.99	
For Up To 100, Add	3.84	
For >100 To 200, Add	2.15	
For >200 To 400, Add	1.03	
03 21 16 00-0072 LF #9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	7.46	
For Up To 100, Add	4.83	
For >100 To 200, Add	2.70	
For >200 To 400, Add	1.30	
03 21 16 00-0073 LF #10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	9.24	
For Up To 100, Add	4.88	
For >100 To 200, Add	2.55	
For >200 To 300, Add	1.27	
03 21 16 00-0074 LF #11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	11.17	
For Up To 100, Add	5.95	
For >100 To 200, Add	3.10	
For >200 To 300, Add	1.55	
03 21 16 00-0075 LF #14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	15.71	
For Up To 100, Add	8.45	
For >100 To 200, Add	4.39	
For >200 To 300, Add	2.19	
03 21 16 00-0076 LF #18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	27.28	
For Up To 100, Add	14.83	
For >100 To 200, Add	7.67	
For >200 To 300, Add	3.84	
03 21 16 00-0077 LF #6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.70	
For Up To 100, Add	3.02	
For >100 To 200, Add	1.57	
For >200 To 500, Add	0.63	
03 21 16 00-0078 LF #7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.89	
For Up To 100, Add	3.11	
For >100 To 200, Add	1.75	
For >200 To 400, Add	0.84	
03 21 16 00-0079 LF #8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	6.20	
For Up To 100, Add	3.99	
For >100 To 200, Add	2.23	
For >200 To 400, Add	1.08	
03 21 16 00-0080 LF #9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	7.72	
For Up To 100, Add	5.02	
For >100 To 200, Add	2.80	
For >200 To 400, Add	1.35	



Concrete		03	CS
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 21 16 00-0081	LF #10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	9.57		
	For Up To 100, Add	5.07		
	For >100 To 200, Add	2.65		
	For >200 To 300, Add	1.32		
03 21 16 00-0082	LF #11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	11.58		
	For Up To 100, Add	6.20		
	For >100 To 200, Add	3.22		
	For >200 To 300, Add	1.61		
03 21 16 00-0083	LF #14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	16.30		
	For Up To 100, Add	8.81		
	For >100 To 200, Add	4.57		
	For >200 To 300, Add	2.28		
03 21 16 00-0084	LF #18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	28.33		
	For Up To 100, Add	15.46		
	For >100 To 200, Add	7.99		
	For >200 To 300, Add	3.99		
03 21 16 00-0085	Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)			
	Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0086	LF #3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.90		
	For Up To 100, Add	0.70		
	For >100 To 200, Add	0.37		
	For >200 To 500, Add	0.15		
03 21 16 00-0087	LF #4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.56		
	For Up To 100, Add	1.22		
	For >100 To 200, Add	0.64		
	For >200 To 500, Add	0.26		
03 21 16 00-0088	LF #5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.37		
	For Up To 100, Add	1.88		
	For >100 To 200, Add	0.98		
	For >200 To 500, Add	0.39		
03 21 16 00-0089	LF #6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.31		
	For Up To 100, Add	2.67		
	For >100 To 200, Add	1.39		
	For >200 To 500, Add	0.56		
03 21 16 00-0090	LF #3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.92		
	For Up To 100, Add	0.72		
	For >100 To 200, Add	0.38		
	For >200 To 500, Add	0.15		
03 21 16 00-0091	LF #4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.60		
	For Up To 100, Add	1.26		
	For >100 To 200, Add	0.66		
	For >200 To 500, Add	0.26		
03 21 16 00-0092	LF #5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.43		
	For Up To 100, Add	1.94		
	For >100 To 200, Add	1.01		
	For >200 To 500, Add	0.41		
03 21 16 00-0093	LF #6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.39		
	For Up To 100, Add	2.75		
	For >100 To 200, Add	1.43		
	For >200 To 500, Add	0.57		
03 21 16 00-0094	LF #3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.95		
	For Up To 100, Add	0.75		
	For >100 To 200, Add	0.39		
	For >200 To 500, Add	0.16		
03 21 16 00-0095	LF #4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.65		
	For Up To 100, Add	1.31		
	For >100 To 200, Add	0.69		
	For >200 To 500, Add	0.27		
03 21 16 00-0096	LF #5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.51		
	For Up To 100, Add	2.02		
	For >100 To 200, Add	1.05		
	For >200 To 500, Add	0.42		
03 21 16 00-0097	LF #6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.51		
	For Up To 100, Add	2.87		
	For >100 To 200, Add	1.49		
	For >200 To 500, Add	0.60		
03 21 16 00-0098	LF #7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.65		
	For Up To 100, Add	2.96		
	For >100 To 200, Add	1.66		
	For >200 To 400, Add	0.80		
03 21 16 00-0099	LF #8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.90		
	For Up To 100, Add	3.81		
	For >100 To 200, Add	2.13		
	For >200 To 400, Add	1.03		
03 21 16 00-0100	LF #9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.35		
	For Up To 100, Add	4.79		
	For >100 To 200, Add	2.67		
	For >200 To 400, Add	1.29		
03 21 16 00-0101	LF #10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	9.11		
	For Up To 100, Add	4.84		
	For >100 To 200, Add	2.52		
	For >200 To 300, Add	1.26		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	11.02	
		For Up To 100, Add		5.90	
		For >100 To 200, Add		3.07	
		For >200 To 300, Add		1.54	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	15.51	
		For Up To 100, Add		8.39	
		For >100 To 200, Add		4.35	
		For >200 To 300, Add		2.17	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	26.99	
		For Up To 100, Add		14.75	
		For >100 To 200, Add		7.61	
		For >200 To 300, Add		3.81	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	3.62	
		For Up To 100, Add		2.98	
		For >100 To 200, Add		1.55	
		For >200 To 500, Add		0.62	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	4.81	
		For Up To 100, Add		3.08	
		For >100 To 200, Add		1.73	
		For >200 To 400, Add		0.83	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	6.11	
		For Up To 100, Add		3.96	
		For >100 To 200, Add		2.21	
		For >200 To 400, Add		1.07	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	7.61	
		For Up To 100, Add		4.98	
		For >100 To 200, Add		2.77	
		For >200 To 400, Add		1.34	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	9.44	
		For Up To 100, Add		5.03	
		For >100 To 200, Add		2.62	
		For >200 To 300, Add		1.31	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	11.43	
		For Up To 100, Add		6.15	
		For >100 To 200, Add		3.19	
		For >200 To 300, Add		1.60	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	16.10	
		For Up To 100, Add		8.75	
		For >100 To 200, Add		4.53	
		For >200 To 300, Add		2.26	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	28.04	
		For Up To 100, Add		15.38	
		For >100 To 200, Add		7.93	
		For >200 To 300, Add		3.96	
03 21 16 00-0113		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)			
		Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	0.86	
		For Up To 100, Add		0.68	
		For >100 To 200, Add		0.36	
		For >200 To 500, Add		0.14	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	1.49	
		For Up To 100, Add		1.20	
		For >100 To 200, Add		0.62	
		For >200 To 500, Add		0.25	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	2.27	
		For Up To 100, Add		1.84	
		For >100 To 200, Add		0.96	
		For >200 To 500, Add		0.38	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	3.18	
		For Up To 100, Add		2.62	
		For >100 To 200, Add		1.36	
		For >200 To 500, Add		0.54	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	0.88	
		For Up To 100, Add		0.70	
		For >100 To 200, Add		0.37	
		For >200 To 500, Add		0.15	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	1.53	
		For Up To 100, Add		1.24	
		For >100 To 200, Add		0.64	
		For >200 To 500, Add		0.26	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	2.33	
		For Up To 100, Add		1.90	
		For >100 To 200, Add		0.99	
		For >200 To 500, Add		0.40	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	3.26	
		For Up To 100, Add		2.70	
		For >100 To 200, Add		1.40	
		For >200 To 500, Add		0.56	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	0.91	
		For Up To 100, Add		0.73	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	



Concrete		03	CS
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	
03 21 16 00-0123	LF #4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		1.58	
	For Up To 100, Add	1.29		
	For >100 To 200, Add	0.67		
	For >200 To 500, Add	0.27		
03 21 16 00-0124	LF #5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		2.41	
	For Up To 100, Add	1.98		
	For >100 To 200, Add	1.03		
	For >200 To 500, Add	0.41		
03 21 16 00-0125	LF #6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		3.38	
	For Up To 100, Add	2.82		
	For >100 To 200, Add	1.46		
	For >200 To 500, Add	0.58		
03 21 16 00-0126	LF #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		4.49	
	For Up To 100, Add	2.90		
	For >100 To 200, Add	1.62		
	For >200 To 400, Add	0.78		
03 21 16 00-0127	LF #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		5.70	
	For Up To 100, Add	3.74		
	For >100 To 200, Add	2.08		
	For >200 To 400, Add	1.01		
03 21 16 00-0128	LF #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		7.13	
	For Up To 100, Add	4.71		
	For >100 To 200, Add	2.61		
	For >200 To 400, Add	1.27		
03 21 16 00-0129	LF #10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		8.85	
	For Up To 100, Add	4.76		
	For >100 To 200, Add	2.47		
	For >200 To 300, Add	1.24		
03 21 16 00-0130	LF #11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		10.72	
	For Up To 100, Add	5.81		
	For >100 To 200, Add	3.01		
	For >200 To 300, Add	1.51		
03 21 16 00-0131	LF #14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		15.13	
	For Up To 100, Add	8.28		
	For >100 To 200, Add	4.27		
	For >200 To 300, Add	2.14		
03 21 16 00-0132	LF #18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		26.39	
	For Up To 100, Add	14.57		
	For >100 To 200, Add	7.49		
	For >200 To 300, Add	3.75		
03 21 16 00-0133	LF #6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		3.49	
	For Up To 100, Add	2.93		
	For >100 To 200, Add	1.51		
	For >200 To 500, Add	0.61		
03 21 16 00-0134	LF #7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		4.65	
	For Up To 100, Add	3.02		
	For >100 To 200, Add	1.69		
	For >200 To 400, Add	0.81		
03 21 16 00-0135	LF #8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		5.91	
	For Up To 100, Add	3.89		
	For >100 To 200, Add	2.16		
	For >200 To 400, Add	1.05		
03 21 16 00-0136	LF #9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		7.39	
	For Up To 100, Add	4.91		
	For >100 To 200, Add	2.72		
	For >200 To 400, Add	1.32		
03 21 16 00-0137	LF #10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		9.18	
	For Up To 100, Add	4.96		
	For >100 To 200, Add	2.57		
	For >200 To 300, Add	1.29		
03 21 16 00-0138	LF #11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		11.13	
	For Up To 100, Add	6.06		
	For >100 To 200, Add	3.13		
	For >200 To 300, Add	1.57		
03 21 16 00-0139	LF #14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		15.72	
	For Up To 100, Add	8.63		
	For >100 To 200, Add	4.45		
	For >200 To 300, Add	2.22		
03 21 16 00-0140	LF #18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....		27.44	
	For Up To 100, Add	15.20		
	For >100 To 200, Add	7.81		
	For >200 To 300, Add	3.90		
03 21 16 00-0141	Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)			
	Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0142	LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....		0.84	
	For Up To 100, Add	0.67		
	For >100 To 200, Add	0.35		
	For >200 To 500, Add	0.14		
03 21 16 00-0143	LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....		1.45	
	For Up To 100, Add	1.18		
	For >100 To 200, Add	0.61		
	For >200 To 500, Add	0.25		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0144 LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.21	
For Up To 100, Add	1.82	
For >100 To 200, Add	0.94	
For >200 To 500, Add	0.38	
03 21 16 00-0145 LF #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.11	
For Up To 100, Add	2.59	
For >100 To 200, Add	1.34	
For >200 To 500, Add	0.54	
03 21 16 00-0146 LF #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.86	
For Up To 100, Add	0.69	
For >100 To 200, Add	0.36	
For >200 To 500, Add	0.14	
03 21 16 00-0147 LF #4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.49	
For Up To 100, Add	1.22	
For >100 To 200, Add	0.63	
For >200 To 500, Add	0.25	
03 21 16 00-0148 LF #5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.27	
For Up To 100, Add	1.88	
For >100 To 200, Add	0.97	
For >200 To 500, Add	0.39	
03 21 16 00-0149 LF #6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.19	
For Up To 100, Add	2.67	
For >100 To 200, Add	1.38	
For >200 To 500, Add	0.55	
03 21 16 00-0150 LF #3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.89	
For Up To 100, Add	0.72	
For >100 To 200, Add	0.38	
For >200 To 500, Add	0.15	
03 21 16 00-0151 LF #4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.54	
For Up To 100, Add	1.27	
For >100 To 200, Add	0.66	
For >200 To 500, Add	0.26	
03 21 16 00-0152 LF #5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.35	
For Up To 100, Add	1.96	
For >100 To 200, Add	1.01	
For >200 To 500, Add	0.41	
03 21 16 00-0153 LF #6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.31	
For Up To 100, Add	2.79	
For >100 To 200, Add	1.44	
For >200 To 500, Add	0.58	
03 21 16 00-0154 LF #7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.39	
For Up To 100, Add	2.87	
For >100 To 200, Add	1.60	
For >200 To 400, Add	0.77	
03 21 16 00-0155 LF #8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.61	
For Up To 100, Add	3.70	
For >100 To 200, Add	2.06	
For >200 To 400, Add	1.00	
03 21 16 00-0156 LF #9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.02	
For Up To 100, Add	4.67	
For >100 To 200, Add	2.59	
For >200 To 400, Add	1.26	
03 21 16 00-0157 LF #10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.72	
For Up To 100, Add	4.72	
For >100 To 200, Add	2.45	
For >200 To 300, Add	1.22	
03 21 16 00-0158 LF #11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	10.58	
For Up To 100, Add	5.77	
For >100 To 200, Add	2.98	
For >200 To 300, Add	1.49	
03 21 16 00-0159 LF #14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	14.94	
For Up To 100, Add	8.22	
For >100 To 200, Add	4.23	
For >200 To 300, Add	2.12	
03 21 16 00-0160 LF #18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	26.09	
For Up To 100, Add	14.48	
For >100 To 200, Add	7.43	
For >200 To 300, Add	3.72	
03 21 16 00-0161 LF #6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.42	
For Up To 100, Add	2.90	
For >100 To 200, Add	1.50	
For >200 To 500, Add	0.60	
03 21 16 00-0162 LF #7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.55	
For Up To 100, Add	2.99	
For >100 To 200, Add	1.66	
For >200 To 400, Add	0.80	
03 21 16 00-0163 LF #8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.82	
For Up To 100, Add	3.86	
For >100 To 200, Add	2.14	
For >200 To 400, Add	1.04	
03 21 16 00-0164 LF #9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.28	
For Up To 100, Add	4.87	
For >100 To 200, Add	2.69	
For >200 To 400, Add	1.31	



		Concrete	03	CS
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	9.05	
		For Up To 100, Add		4.92	
		For >100 To 200, Add		2.54	
		For >200 To 300, Add		1.27	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	10.99	
		For Up To 100, Add		6.02	
		For >100 To 200, Add		3.11	
		For >200 To 300, Add		1.55	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	15.53	
		For Up To 100, Add		8.57	
		For >100 To 200, Add		4.41	
		For >200 To 300, Add		2.21	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	27.14	
		For Up To 100, Add		15.11	
		For >100 To 200, Add		7.75	
		For >200 To 300, Add		3.87	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)

Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	5.99	
		For Up To 12" Length, Deduct		-0.69	
		For >12" To <24" Length, Deduct		-0.35	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	7.16	
		For Up To 12" Length, Deduct		-1.05	
		For >12" To <24" Length, Deduct		-0.52	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	8.99	
		For Up To 12" Length, Deduct		-1.56	
		For >12" To <24" Length, Deduct		-0.78	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	11.23	
		For Up To 12" Length, Deduct		-2.07	
		For >12" To <24" Length, Deduct		-1.04	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	13.66	
		For Up To 12" Length, Deduct		-2.82	
		For >12" To <24" Length, Deduct		-1.41	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	15.98	
		For Up To 12" Length, Deduct		-3.48	
		For >12" To <24" Length, Deduct		-1.74	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	18.90	
		For Up To 12" Length, Deduct		-4.20	
		For >12" To <24" Length, Deduct		-2.10	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	22.78	
		For Up To 12" Length, Deduct		-5.10	
		For >12" To <24" Length, Deduct		-2.55	

03 22 Fabric and Grid Reinforcing (03 20)

03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Welded Wire Fabric Placed In Floors Or Slabs Under 5 Tons (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	0.88	
		For >5 Ton, Deduct		-0.13	
03 22 11 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	1.00	
		For >5 Ton, Deduct		-0.15	
03 22 11 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	1.14	
		For >5 Ton, Deduct		-0.17	
03 22 11 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	1.35	
		For >5 Ton, Deduct		-0.19	
03 22 11 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	1.05	
		For >5 Ton, Deduct		-0.15	
03 22 11 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	1.18	
		For >5 Ton, Deduct		-0.17	
03 22 11 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	1.50	
		For >5 Ton, Deduct		-0.21	
03 22 11 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	1.74	
		For >5 Ton, Deduct		-0.24	
03 22 11 00-0010	SF	2" x 2" x #12, (W0.9 x W0.9), 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	1.62	
		For >5 Ton, Deduct		-0.21	
03 22 11 00-0011	SF	2" x 2" x #10, (W1.4 x W1.4), 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	2.24	
		For >5 Ton, Deduct		-0.28	
		For Galvanized, Add		0.56	
		For Epoxy Coated, Add		1.13	
03 22 11 00-0012	SF	2" x 2" x #8, (W2.1 x W2.1), 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	3.01	
		For >5 Ton, Deduct		-0.36	

03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	.....	0.97	
		For >5 Ton, Deduct		-0.14	

03 Concrete**03 20 Concrete Reinforcing****03 22 Fabric and Grid Reinforcing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 13 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.12	
		<i>For >5 Ton, Deduct</i>	-0.16	
03 22 13 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.29	
		<i>For >5 Ton, Deduct</i>	-0.18	
03 22 13 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.57	
		<i>For >5 Ton, Deduct</i>	-0.21	
03 22 13 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.18	
		<i>For >5 Ton, Deduct</i>	-0.17	
03 22 13 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.35	
		<i>For >5 Ton, Deduct</i>	-0.19	
03 22 13 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.77	
		<i>For >5 Ton, Deduct</i>	-0.23	
03 22 13 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	2.08	
		<i>For >5 Ton, Deduct</i>	-0.27	
03 22 13 00-0010		Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)		
		Note: Includes bar chairs. Under 5 tons.		
03 22 13 00-0011	SF	2" x 2" x #14, (W0.5 x W0.5), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns.....	3.43	
		<i>For >5 Ton, Deduct</i>	-0.53	
03 22 16		Epoxy-Coated Welded Wire Fabric Reinforcing (03 22)		
03 22 16 00-0001		Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 16)		
		Note: Includes bar chairs. Under 5 tons.		
03 22 16 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	0.96	
		<i>For >5 Ton, Deduct</i>	-0.14	
03 22 16 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.10	
		<i>For >5 Ton, Deduct</i>	-0.16	
03 22 16 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.27	
		<i>For >5 Ton, Deduct</i>	-0.18	
03 22 16 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.54	
		<i>For >5 Ton, Deduct</i>	-0.21	
03 22 16 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.17	
		<i>For >5 Ton, Deduct</i>	-0.17	
03 22 16 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.33	
		<i>For >5 Ton, Deduct</i>	-0.19	
03 22 16 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.74	
		<i>For >5 Ton, Deduct</i>	-0.23	
03 22 16 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	2.03	
		<i>For >5 Ton, Deduct</i>	-0.26	
03 30		Cast-In-Place Concrete (03)		
		See CSI section 01 74 19 00-0043 for hauling over 15 miles.		
03 30 53		Miscellaneous Cast-in-Place Concrete (03 30)		
03 30 53 00-0001		Place Concrete Duct Bank (03 30 53)		
03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank.....	218.99	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.83	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.91	
		<i>For 3,500 PSI Concrete, Add</i>	9.10	
		<i>For 3,750 PSI Concrete, Add</i>	12.38	
		<i>For 4,000 PSI Concrete, Add</i>	15.65	
		<i>For 4,500 PSI Concrete, Add</i>	18.20	
		<i>For 5,000 PSI Concrete, Add</i>	20.75	
		<i>For 6,000 PSI Concrete, Add</i>	49.14	
		<i>For 7,500 PSI Concrete, Add</i>	122.02	
		<i>For White Cement Concrete, Add</i>	21.84	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.66	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	18.20	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	63.70	
		<i>For Up To 20, Add</i>	14.80	
		<i>For >20 To 50, Add</i>	5.55	
		<i>For >100 To 200, Deduct</i>	-4.38	
		<i>For >200 To 400, Deduct</i>	-8.76	
		<i>For >400, Deduct</i>	-13.14	
03 30 53 00-0003		Place Concrete Thrust Blocks And Backfill (03 30 53)		



		Concrete	03	CS
		Cast-In-Place Concrete	03 30	
		Miscellaneous Cast-in-Place Concrete	03 30 53	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 30 53 00-0004	CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	265.53		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.03		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
03 30 53 00-0005	Place Concrete Slurry (03 30 53)			
03 30 53 00-0006	CY Direct Chute, Place Two Sack Cement, Concrete Slurry	203.47		
	Note: Two 94# sack cement per CY.			
03 30 53 00-0007	CY Concrete Pump, Place Two Sack Cement, Concrete Slurry	196.11		
	Note: Two 94# sack cement per CY. Excludes pumping equipment.			
03 30 53 00-0008	Hand Mix And Place Concrete (03 30 53)			
03 30 53 00-0009	CF Hand Mix And Place 3,000 PSI Concrete	21.43		
	Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.			
	For Up To 25 CF, Add	2.53		
	For 2,000 PSI Concrete, Deduct	-0.42		
	For 2,500 PSI Concrete, Deduct	-0.21		
	For 3,500 PSI Concrete, Add	0.39		

03 31 Structural Concrete (03 30)

03 31 13 Heavyweight Structural Concrete (03 31)

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies (03 31 13)

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001)

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF 4" 3,000 PSI Slab On Grade Concrete Slab Assembly	8.65
	For 2,000 PSI Concrete, Deduct	-0.24
	For 2,500 PSI Concrete, Deduct	-0.12
	For 3,500 PSI Concrete, Add	0.08
	For 4,000 PSI Concrete, Add	0.28
	For 4,500 PSI Concrete, Add	0.35
	For 5,000 PSI Concrete, Add	0.40
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.60
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.88
	For Up To 500, Add	3.42
	For >500 To 1,000, Add	2.36
	For >1,000 To 2,000, Add	1.29
	For >2,000 To 5,000, Add	0.64
	For >10,000 To 20,000, Deduct	-0.22
	For >20,000 To 35,000, Deduct	-0.44
	For >35,000 To 50,000, Deduct	-0.65
	For >50,000 To 70,000, Deduct	-0.87
	For >70,000, Deduct	-1.09
03 31 13 00-0004	SF 5" 3,000 PSI Slab On Grade Concrete Slab Assembly	9.44
	For 2,000 PSI Concrete, Deduct	-0.27
	For 2,500 PSI Concrete, Deduct	-0.14
	For 3,500 PSI Concrete, Add	0.10
	For 4,000 PSI Concrete, Add	0.32
	For 4,500 PSI Concrete, Add	0.40
	For 5,000 PSI Concrete, Add	0.46
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.60
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.88
	For Up To 500, Add	3.66
	For >500 To 1,000, Add	2.52
	For >1,000 To 2,000, Add	1.39
	For >2,000 To 5,000, Add	0.69
	For >10,000 To 20,000, Deduct	-0.25
	For >20,000 To 35,000, Deduct	-0.49
	For >35,000 To 50,000, Deduct	-0.72
	For >50,000 To 70,000, Deduct	-0.96
	For >70,000, Deduct	-1.20

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0005	SF		6" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	10.58	
			For 2,000 PSI Concrete, Deduct	-0.32	
			For 2,500 PSI Concrete, Deduct	-0.16	
			For 3,500 PSI Concrete, Add	0.11	
			For 4,000 PSI Concrete, Add	0.37	
			For 4,500 PSI Concrete, Add	0.46	
			For 5,000 PSI Concrete, Add	0.53	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.60	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.88	
			For Up To 500, Add	4.00	
			For >500 To 1,000, Add	2.77	
			For >1,000 To 2,000, Add	1.53	
			For >2,000 To 5,000, Add	0.77	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000 To 35,000, Deduct	-0.56	
			For >35,000 To 50,000, Deduct	-0.82	
			For >50,000 To 70,000, Deduct	-1.09	
			For >70,000, Deduct	-1.35	
03 31 13 00-0006	SF		7" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	11.66	
			For 2,000 PSI Concrete, Deduct	-0.36	
			For 2,500 PSI Concrete, Deduct	-0.18	
			For 3,500 PSI Concrete, Add	0.13	
			For 4,000 PSI Concrete, Add	0.43	
			For 4,500 PSI Concrete, Add	0.53	
			For 5,000 PSI Concrete, Add	0.61	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.60	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.88	
			For Up To 500, Add	4.30	
			For >500 To 1,000, Add	2.98	
			For >1,000 To 2,000, Add	1.66	
			For >2,000 To 5,000, Add	0.83	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000 To 35,000, Deduct	-0.63	
			For >35,000 To 50,000, Deduct	-0.92	
			For >50,000 To 70,000, Deduct	-1.21	
			For >70,000, Deduct	-1.50	
03 31 13 00-0007	SF		8" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	12.58	
			For 2,000 PSI Concrete, Deduct	-0.40	
			For 2,500 PSI Concrete, Deduct	-0.20	
			For 3,500 PSI Concrete, Add	0.14	
			For 4,000 PSI Concrete, Add	0.47	
			For 4,500 PSI Concrete, Add	0.59	
			For 5,000 PSI Concrete, Add	0.68	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.60	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.88	
			For Up To 500, Add	4.56	
			For >500 To 1,000, Add	3.16	
			For >1,000 To 2,000, Add	1.77	
			For >2,000 To 5,000, Add	0.88	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000 To 35,000, Deduct	-0.69	
			For >35,000 To 50,000, Deduct	-1.00	
			For >50,000 To 70,000, Deduct	-1.32	
			For >70,000, Deduct	-1.63	
03 31 13 00-0008	SF		10" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	14.95	
			For 2,000 PSI Concrete, Deduct	-0.51	
			For 2,500 PSI Concrete, Deduct	-0.25	
			For 3,500 PSI Concrete, Add	0.18	
			For 4,000 PSI Concrete, Add	0.59	
			For 4,500 PSI Concrete, Add	0.75	
			For 5,000 PSI Concrete, Add	0.86	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.60	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.88	
			For Up To 500, Add	5.19	
			For >500 To 1,000, Add	3.62	
			For >1,000 To 2,000, Add	2.05	
			For >2,000 To 5,000, Add	1.02	
			For >10,000 To 20,000, Deduct	-0.47	
			For >20,000 To 35,000, Deduct	-0.85	
			For >35,000 To 50,000, Deduct	-1.22	
			For >50,000 To 70,000, Deduct	-1.59	
			For >70,000, Deduct	-1.97	



	Concrete	03	
	Cast-In-Place Concrete	03 30	
	Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0009 SF 12" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	16.77	
For 2,000 PSI Concrete, Deduct	-0.59	
For 2,500 PSI Concrete, Deduct	-0.29	
For 3,500 PSI Concrete, Add	0.21	
For 4,000 PSI Concrete, Add	0.68	
For 4,500 PSI Concrete, Add	0.86	
For 5,000 PSI Concrete, Add	0.99	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.60	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.88	
For Up To 500, Add	5.71	
For >500 To 1,000, Add	3.99	
For >1,000 To 2,000, Add	2.27	
For >2,000 To 5,000, Add	1.13	
For >10,000 To 20,000, Deduct	-0.54	
For >20,000 To 35,000, Deduct	-0.96	
For >35,000 To 50,000, Deduct	-1.38	
For >50,000 To 70,000, Deduct	-1.80	
For >70,000, Deduct	-2.22	
03 31 13 00-0010 Concrete Delivery And Placement (03 31 13)		
Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.		
03 31 13 00-0011 Place Concrete By Method Indicated (03 31 13 00-0010)		
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0012 Place Concrete Pile Caps (03 31 13 00-0011)		
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	318.62	
For 2,000 PSI Concrete, Deduct	-9.83	
For 2,500 PSI Concrete, Deduct	-4.91	
For 3,500 PSI Concrete, Add	9.10	
For 3,750 PSI Concrete, Add	12.38	
For 4,000 PSI Concrete, Add	15.65	
For 4,500 PSI Concrete, Add	18.20	
For 5,000 PSI Concrete, Add	20.75	
For 6,000 PSI Concrete, Add	49.14	
For 7,500 PSI Concrete, Add	122.03	
For White Cement Concrete, Add	21.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
For High Early Strength, Type 3 ASTM C150, Add	18.20	
For Lightweight Aggregate, ASTM C330, Add	63.70	
For Up To 20, Add	54.65	
For >20 To 50, Add	20.49	
For >100 To 200, Deduct	-6.37	
For >200 To 400, Deduct	-12.74	
For >400, Deduct	-19.12	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps	243.41	
For 2,000 PSI Concrete, Deduct	-9.83	
For 2,500 PSI Concrete, Deduct	-4.91	
For 3,500 PSI Concrete, Add	9.10	
For 3,750 PSI Concrete, Add	12.38	
For 4,000 PSI Concrete, Add	15.65	
For 4,500 PSI Concrete, Add	18.20	
For 5,000 PSI Concrete, Add	20.75	
For 6,000 PSI Concrete, Add	49.14	
For 7,500 PSI Concrete, Add	122.02	
For White Cement Concrete, Add	21.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
For High Early Strength, Type 3 ASTM C150, Add	18.20	
For Lightweight Aggregate, ASTM C330, Add	63.70	
For Up To 20, Add	24.57	
For >20 To 50, Add	9.21	
For >100 To 200, Deduct	-4.87	
For >200 To 400, Deduct	-9.74	
For >400, Deduct	-14.60	
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps	255.65	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-10.65	
For 2,500 PSI Concrete, Deduct	-5.32	
For 3,500 PSI Concrete, Add	9.86	
For 3,750 PSI Concrete, Add	13.41	
For 4,000 PSI Concrete, Add	16.96	
For 4,500 PSI Concrete, Add	19.72	
For 5,000 PSI Concrete, Add	22.48	
For 6,000 PSI Concrete, Add	53.23	
For 7,500 PSI Concrete, Add	132.20	
For White Cement Concrete, Add	23.66	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
For High Early Strength, Type 3 ASTM C150, Add	19.72	
For Lightweight Aggregate, ASTM C330, Add	69.01	
For Up To 20, Add	23.40	
For >20 To 50, Add	8.77	
For >100 To 200, Deduct	-5.11	
For >200 To 400, Deduct	-10.23	
For >400, Deduct	-15.34	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0016 Place Concrete Continuous Footings (03 31 13 00-0011)		
03 31 13 00-0017 CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	303.43	
For 2,000 PSI Concrete, Deduct	-9.83	
For 2,500 PSI Concrete, Deduct	-4.91	
For 3,500 PSI Concrete, Add	9.10	
For 3,750 PSI Concrete, Add	12.38	
For 4,000 PSI Concrete, Add	15.65	
For 4,500 PSI Concrete, Add	18.20	
For 5,000 PSI Concrete, Add	20.75	
For 6,000 PSI Concrete, Add	49.14	
For 7,500 PSI Concrete, Add	122.02	
For White Cement Concrete, Add	21.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
For High Early Strength, Type 3 ASTM C150, Add	18.20	
For Lightweight Aggregate, ASTM C330, Add	63.70	
For Up To 20, Add	48.58	
For >20 To 50, Add	18.22	
For >100 To 200, Deduct	-6.07	
For >200 To 400, Deduct	-12.14	
For >400, Deduct	-18.21	
03 31 13 00-0018 CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings	236.59	
For 2,000 PSI Concrete, Deduct	-9.83	
For 2,500 PSI Concrete, Deduct	-4.91	
For 3,500 PSI Concrete, Add	9.10	
For 3,750 PSI Concrete, Add	12.38	
For 4,000 PSI Concrete, Add	15.65	
For 4,500 PSI Concrete, Add	18.20	
For 5,000 PSI Concrete, Add	20.75	
For 6,000 PSI Concrete, Add	49.14	
For 7,500 PSI Concrete, Add	122.02	
For White Cement Concrete, Add	21.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
For High Early Strength, Type 3 ASTM C150, Add	18.20	
For Lightweight Aggregate, ASTM C330, Add	63.70	
For Up To 20, Add	21.84	
For >20 To 50, Add	8.19	
For >100 To 200, Deduct	-4.73	
For >200 To 400, Deduct	-9.46	
For >400, Deduct	-14.20	
03 31 13 00-0019 CY Concrete Pump, Place 3,000 PSI Concrete Continuous Footings	249.15	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-10.65	
For 2,500 PSI Concrete, Deduct	-5.32	
For 3,500 PSI Concrete, Add	9.86	
For 3,750 PSI Concrete, Add	13.41	
For 4,000 PSI Concrete, Add	16.96	
For 4,500 PSI Concrete, Add	19.72	
For 5,000 PSI Concrete, Add	22.48	
For 6,000 PSI Concrete, Add	53.23	
For 7,500 PSI Concrete, Add	132.20	
For White Cement Concrete, Add	23.66	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
For High Early Strength, Type 3 ASTM C150, Add	19.72	
For Lightweight Aggregate, ASTM C330, Add	69.01	
For Up To 20, Add	20.80	
For >20 To 50, Add	7.80	
For >100 To 200, Deduct	-4.98	
For >200 To 400, Deduct	-9.97	
For >400, Deduct	-14.95	
03 31 13 00-0020 Place Concrete Spread Footings (03 31 13 00-0011)		
03 31 13 00-0021 CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	386.92	
For 2,000 PSI Concrete, Deduct	-9.83	
For 2,500 PSI Concrete, Deduct	-4.91	
For 3,500 PSI Concrete, Add	9.10	
For 3,750 PSI Concrete, Add	12.38	
For 4,000 PSI Concrete, Add	15.65	
For 4,500 PSI Concrete, Add	18.20	
For 5,000 PSI Concrete, Add	20.75	
For 6,000 PSI Concrete, Add	49.14	
For 7,500 PSI Concrete, Add	122.02	
For White Cement Concrete, Add	21.84	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
For High Early Strength, Type 3 ASTM C150, Add	18.20	
For Lightweight Aggregate, ASTM C330, Add	63.70	
For Up To 20, Add	81.97	
For >20 To 50, Add	30.74	
For >100 To 200, Deduct	-7.74	
For >200 To 400, Deduct	-15.48	
For >400, Deduct	-23.22	



Concrete		03	CS
Cast-In-Place Concrete		03 30	
Structural Concrete		03 31	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 31 13 00-0022	CY Direct Chute, Place 3,000 PSI Concrete Spread Footings	274.12		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	36.85		
	For >20 To 50, Add	13.82		
	For >100 To 200, Deduct	-5.48		
	For >200 To 400, Deduct	-10.96		
	For >400, Deduct	-16.45		
03 31 13 00-0023	CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings	284.90		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-10.65		
	For 2,500 PSI Concrete, Deduct	-5.32		
	For 3,500 PSI Concrete, Add	9.86		
	For 3,750 PSI Concrete, Add	13.41		
	For 4,000 PSI Concrete, Add	16.96		
	For 4,500 PSI Concrete, Add	19.72		
	For 5,000 PSI Concrete, Add	22.48		
	For 6,000 PSI Concrete, Add	53.23		
	For 7,500 PSI Concrete, Add	132.20		
	For White Cement Concrete, Add	23.66		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63		
	For High Early Strength, Type 3 ASTM C150, Add	19.72		
	For Lightweight Aggregate, ASTM C330, Add	69.01		
	For Up To 20, Add	35.10		
	For >20 To 50, Add	13.16		
	For >100 To 200, Deduct	-5.70		
	For >200 To 400, Deduct	-11.40		
	For >400, Deduct	-17.09		
03 31 13 00-0024	Place Concrete Mat Foundation (03 31 13 00-0011)	218.43		
03 31 13 00-0025	CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	218.43		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	14.58		
	For >20 To 50, Add	5.47		
	For >100 To 200, Deduct	-4.37		
	For >200 To 400, Deduct	-8.74		
	For >400, Deduct	-13.11		
03 31 13 00-0026	CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation	198.38		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	6.56		
	For >20 To 50, Add	2.46		
	For >100 To 200, Deduct	-3.97		
	For >200 To 400, Deduct	-7.94		
	For >400, Deduct	-11.90		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0027	CY		Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	210.81	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	5.46	
			For >20 To 50, Add	2.05	
			For >100 To 200, Deduct	-4.22	
			For >200 To 400, Deduct	-8.43	
			For >400, Deduct	-12.65	
03 31 13 00-0028			Place Concrete Grade Beams (03 31 13 00-0011)		
03 31 13 00-0029	CY		Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	279.14	
			For 2,000 PSI Concrete, Deduct	-9.83	
			For 2,500 PSI Concrete, Deduct	-4.91	
			For 3,500 PSI Concrete, Add	9.10	
			For 3,750 PSI Concrete, Add	12.38	
			For 4,000 PSI Concrete, Add	15.65	
			For 4,500 PSI Concrete, Add	18.20	
			For 5,000 PSI Concrete, Add	20.75	
			For 6,000 PSI Concrete, Add	49.14	
			For 7,500 PSI Concrete, Add	122.02	
			For White Cement Concrete, Add	21.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
			For High Early Strength, Type 3 ASTM C150, Add	18.20	
			For Lightweight Aggregate, ASTM C330, Add	63.70	
			For Up To 20, Add	38.86	
			For >20 To 50, Add	14.57	
			For >100 To 200, Deduct	-5.58	
			For >200 To 400, Deduct	-11.17	
			For >400, Deduct	-16.75	
03 31 13 00-0030	CY		Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	225.66	
			For 2,000 PSI Concrete, Deduct	-9.83	
			For 2,500 PSI Concrete, Deduct	-4.91	
			For 3,500 PSI Concrete, Add	9.10	
			For 3,750 PSI Concrete, Add	12.38	
			For 4,000 PSI Concrete, Add	15.65	
			For 4,500 PSI Concrete, Add	18.20	
			For 5,000 PSI Concrete, Add	20.75	
			For 6,000 PSI Concrete, Add	49.14	
			For 7,500 PSI Concrete, Add	122.02	
			For White Cement Concrete, Add	21.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
			For High Early Strength, Type 3 ASTM C150, Add	18.20	
			For Lightweight Aggregate, ASTM C330, Add	63.70	
			For Up To 20, Add	17.47	
			For >20 To 50, Add	6.55	
			For >100 To 200, Deduct	-4.51	
			For >200 To 400, Deduct	-9.03	
			For >400, Deduct	-13.54	
03 31 13 00-0031	CY		Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	238.75	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	16.64	
			For >20 To 50, Add	6.24	
			For >100 To 200, Deduct	-4.78	
			For >200 To 400, Deduct	-9.55	
			For >400, Deduct	-14.33	
03 31 13 00-0032			Place Concrete Slab On Grade (03 31 13 00-0011)		



Concrete		03	CS
Cast-In-Place Concrete		03 30	
Structural Concrete		03 31	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 31 13 00-0033	CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	281.42		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	39.77		
	For >20 To 50, Add	14.91		
	For >100 To 200, Deduct	-5.63		
	For >200 To 400, Deduct	-11.26		
	For >400, Deduct	-16.89		
03 31 13 00-0034	CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	257.44		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	30.18		
	For >20 To 50, Add	11.32		
	For >100 To 200, Deduct	-5.15		
	For >200 To 400, Deduct	-10.30		
	For >400, Deduct	-15.45		
03 31 13 00-0035	CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	226.70		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	17.88		
	For >20 To 50, Add	6.71		
	For >100 To 200, Deduct	-4.53		
	For >200 To 400, Deduct	-9.07		
	For >400, Deduct	-13.60		
03 31 13 00-0036	CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	215.91		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	13.57		
	For >20 To 50, Add	5.09		
	For >100 To 200, Deduct	-4.32		
	For >200 To 400, Deduct	-8.64		
	For >400, Deduct	-12.95		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0037	CY		Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	234.41	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	14.90	
			For >20 To 50, Add	5.59	
			For >100 To 200, Deduct	-4.69	
			For >200 To 400, Deduct	-9.38	
			For >400, Deduct	-14.06	
03 31 13 00-0038	CY		>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	225.42	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	11.30	
			For >20 To 50, Add	4.24	
			For >100 To 200, Deduct	-4.51	
			For >200 To 400, Deduct	-9.02	
			For >400, Deduct	-13.53	
03 31 13 00-0039			Place Concrete Stairs (03 31 13 00-0011)		
03 31 13 00-0040	CY		Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	629.37	
			For 2,000 PSI Concrete, Deduct	-9.83	
			For 2,500 PSI Concrete, Deduct	-4.91	
			For 3,500 PSI Concrete, Add	9.10	
			For 3,750 PSI Concrete, Add	12.38	
			For 4,000 PSI Concrete, Add	15.65	
			For 4,500 PSI Concrete, Add	18.20	
			For 5,000 PSI Concrete, Add	20.75	
			For 6,000 PSI Concrete, Add	49.14	
			For 7,500 PSI Concrete, Add	122.02	
			For White Cement Concrete, Add	21.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
			For High Early Strength, Type 3 ASTM C150, Add	18.20	
			For Lightweight Aggregate, ASTM C330, Add	63.70	
			For Up To 20, Add	178.95	
			For >20 To 50, Add	67.11	
			For >100 To 200, Deduct	-12.59	
			For >200 To 400, Deduct	-25.17	
			For >400, Deduct	-37.76	
03 31 13 00-0041	CY		Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	383.15	
			For 2,000 PSI Concrete, Deduct	-9.83	
			For 2,500 PSI Concrete, Deduct	-4.91	
			For 3,500 PSI Concrete, Add	9.10	
			For 3,750 PSI Concrete, Add	12.38	
			For 4,000 PSI Concrete, Add	15.65	
			For 4,500 PSI Concrete, Add	18.20	
			For 5,000 PSI Concrete, Add	20.75	
			For 6,000 PSI Concrete, Add	49.14	
			For 7,500 PSI Concrete, Add	122.02	
			For White Cement Concrete, Add	21.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
			For High Early Strength, Type 3 ASTM C150, Add	18.20	
			For Lightweight Aggregate, ASTM C330, Add	63.70	
			For Up To 20, Add	80.46	
			For >20 To 50, Add	30.17	
			For >100 To 200, Deduct	-7.66	
			For >200 To 400, Deduct	-15.33	
			For >400, Deduct	-22.99	



Concrete		03	CS
Cast-In-Place Concrete		03 30	
Structural Concrete		03 31	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs..... Note: Excludes pumping equipment.	364.80	
		For 2,000 PSI Concrete, Deduct	-10.65	
		For 2,500 PSI Concrete, Deduct	-5.32	
		For 3,500 PSI Concrete, Add	9.86	
		For 3,750 PSI Concrete, Add	13.41	
		For 4,000 PSI Concrete, Add	16.96	
		For 4,500 PSI Concrete, Add	19.72	
		For 5,000 PSI Concrete, Add	22.48	
		For 6,000 PSI Concrete, Add	53.23	
		For 7,500 PSI Concrete, Add	132.20	
		For White Cement Concrete, Add	23.66	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
		For High Early Strength, Type 3 ASTM C150, Add	19.72	
		For Lightweight Aggregate, ASTM C330, Add	69.01	
		For Up To 20, Add	67.06	
		For >20 To 50, Add	25.15	
		For >100 To 200, Deduct	-7.30	
		For >200 To 400, Deduct	-14.59	
		For >400, Deduct	-21.89	
03 31 13 00-0043		Place Concrete Superstructure By Method Indicated (03 31 13 00-0010) See CSI section 03 37 16 00-0001 for concrete pump truck.		
03 31 13 00-0044		Place Elevated Concrete Beams (03 31 13 00-0043)		
03 31 13 00-0045	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	424.87	
		For 2,000 PSI Concrete, Deduct	-9.83	
		For 2,500 PSI Concrete, Deduct	-4.91	
		For 3,500 PSI Concrete, Add	9.10	
		For 3,750 PSI Concrete, Add	12.38	
		For 4,000 PSI Concrete, Add	15.65	
		For 4,500 PSI Concrete, Add	18.20	
		For 5,000 PSI Concrete, Add	20.75	
		For 6,000 PSI Concrete, Add	49.14	
		For 7,500 PSI Concrete, Add	122.02	
		For White Cement Concrete, Add	21.84	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
		For High Early Strength, Type 3 ASTM C150, Add	18.20	
		For Lightweight Aggregate, ASTM C330, Add	63.70	
		For Up To 20, Add	97.15	
		For >20 To 50, Add	36.43	
		For >100 To 200, Deduct	-8.50	
		For >200 To 400, Deduct	-16.99	
		For >400, Deduct	-25.49	
03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams..... Note: Excludes pumping equipment.	301.14	
		For 2,000 PSI Concrete, Deduct	-10.65	
		For 2,500 PSI Concrete, Deduct	-5.32	
		For 3,500 PSI Concrete, Add	9.86	
		For 3,750 PSI Concrete, Add	13.41	
		For 4,000 PSI Concrete, Add	16.96	
		For 4,500 PSI Concrete, Add	19.72	
		For 5,000 PSI Concrete, Add	22.48	
		For 6,000 PSI Concrete, Add	53.23	
		For 7,500 PSI Concrete, Add	132.20	
		For White Cement Concrete, Add	23.66	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
		For High Early Strength, Type 3 ASTM C150, Add	19.72	
		For Lightweight Aggregate, ASTM C330, Add	69.01	
		For Up To 20, Add	41.59	
		For >20 To 50, Add	15.60	
		For >100 To 200, Deduct	-6.02	
		For >200 To 400, Deduct	-12.05	
		For >400, Deduct	-18.07	
03 31 13 00-0047		Place Elevated Concrete Slab (03 31 13 00-0043)		
03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	296.34	
		For 2,000 PSI Concrete, Deduct	-9.83	
		For 2,500 PSI Concrete, Deduct	-4.91	
		For 3,500 PSI Concrete, Add	9.10	
		For 3,750 PSI Concrete, Add	12.38	
		For 4,000 PSI Concrete, Add	15.65	
		For 4,500 PSI Concrete, Add	18.20	
		For 5,000 PSI Concrete, Add	20.75	
		For 6,000 PSI Concrete, Add	49.14	
		For 7,500 PSI Concrete, Add	122.02	
		For White Cement Concrete, Add	21.84	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
		For High Early Strength, Type 3 ASTM C150, Add	18.20	
		For Lightweight Aggregate, ASTM C330, Add	63.70	
		For Up To 20, Add	45.74	
		For >20 To 50, Add	17.15	
		For >100 To 200, Deduct	-5.93	
		For >200 To 400, Deduct	-11.85	
		For >400, Deduct	-17.78	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0049	CY		>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	268.74	
			For 2,000 PSI Concrete, Deduct	-9.83	
			For 2,500 PSI Concrete, Deduct	-4.91	
			For 3,500 PSI Concrete, Add	9.10	
			For 3,750 PSI Concrete, Add	12.38	
			For 4,000 PSI Concrete, Add	15.65	
			For 4,500 PSI Concrete, Add	18.20	
			For 5,000 PSI Concrete, Add	20.75	
			For 6,000 PSI Concrete, Add	49.14	
			For 7,500 PSI Concrete, Add	122.02	
			For White Cement Concrete, Add	21.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
			For High Early Strength, Type 3 ASTM C150, Add	18.20	
			For Lightweight Aggregate, ASTM C330, Add	63.70	
			For Up To 20, Add	34.70	
			For >20 To 50, Add	13.01	
			For >100 To 200, Deduct	-5.37	
			For >200 To 400, Deduct	-10.75	
			For >400, Deduct	-16.12	
03 31 13 00-0050	CY		Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	246.12	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	19.58	
			For >20 To 50, Add	7.34	
			For >100 To 200, Deduct	-4.92	
			For >200 To 400, Deduct	-9.84	
			For >400, Deduct	-14.77	
03 31 13 00-0051	CY		>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	234.30	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	14.86	
			For >20 To 50, Add	5.57	
			For >100 To 200, Deduct	-4.69	
			For >200 To 400, Deduct	-9.37	
			For >400, Deduct	-14.06	
03 31 13 00-0052			Place Concrete Columns (03 31 13 00-0043)		
03 31 13 00-0053	CY		12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	444.30	
			For 2,000 PSI Concrete, Deduct	-9.83	
			For 2,500 PSI Concrete, Deduct	-4.91	
			For 3,500 PSI Concrete, Add	9.10	
			For 3,750 PSI Concrete, Add	12.38	
			For 4,000 PSI Concrete, Add	15.65	
			For 4,500 PSI Concrete, Add	18.20	
			For 5,000 PSI Concrete, Add	20.75	
			For 6,000 PSI Concrete, Add	49.14	
			For 7,500 PSI Concrete, Add	122.02	
			For White Cement Concrete, Add	21.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
			For High Early Strength, Type 3 ASTM C150, Add	18.20	
			For Lightweight Aggregate, ASTM C330, Add	63.70	
			For Up To 20, Add	104.92	
			For >20 To 50, Add	39.35	
			For >100 To 200, Deduct	-8.89	
			For >200 To 400, Deduct	-17.77	
			For >400, Deduct	-26.66	



Concrete		03	CS
Cast-In-Place Concrete		03 30	
Structural Concrete		03 31	

MINOR		TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION		UNIT COST	UNIT COST
03 31 13 00-0054	CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	372.65	
	For 2,000 PSI Concrete, Deduct	-9.83	
	For 2,500 PSI Concrete, Deduct	-4.91	
	For 3,500 PSI Concrete, Add	9.10	
	For 3,750 PSI Concrete, Add	12.38	
	For 4,000 PSI Concrete, Add	15.65	
	For 4,500 PSI Concrete, Add	18.20	
	For 5,000 PSI Concrete, Add	20.75	
	For 6,000 PSI Concrete, Add	49.14	
	For 7,500 PSI Concrete, Add	122.02	
	For White Cement Concrete, Add	21.84	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
	For High Early Strength, Type 3 ASTM C150, Add	18.20	
	For Lightweight Aggregate, ASTM C330, Add	63.70	
	For Up To 20, Add	76.26	
	For >20 To 50, Add	28.60	
	For >100 To 200, Deduct	-7.45	
	For >200 To 400, Deduct	-14.91	
	For >400, Deduct	-22.36	
03 31 13 00-0055	CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	321.41	
	For 2,000 PSI Concrete, Deduct	-9.83	
	For 2,500 PSI Concrete, Deduct	-4.91	
	For 3,500 PSI Concrete, Add	9.10	
	For 3,750 PSI Concrete, Add	12.38	
	For 4,000 PSI Concrete, Add	15.65	
	For 4,500 PSI Concrete, Add	18.20	
	For 5,000 PSI Concrete, Add	20.75	
	For 6,000 PSI Concrete, Add	49.14	
	For 7,500 PSI Concrete, Add	122.02	
	For White Cement Concrete, Add	21.84	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
	For High Early Strength, Type 3 ASTM C150, Add	18.20	
	For Lightweight Aggregate, ASTM C330, Add	63.70	
	For Up To 20, Add	55.77	
	For >20 To 50, Add	20.91	
	For >100 To 200, Deduct	-6.43	
	For >200 To 400, Deduct	-12.86	
	For >400, Deduct	-19.28	
03 31 13 00-0056	CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	298.57	
	For 2,000 PSI Concrete, Deduct	-9.83	
	For 2,500 PSI Concrete, Deduct	-4.91	
	For 3,500 PSI Concrete, Add	9.10	
	For 3,750 PSI Concrete, Add	12.38	
	For 4,000 PSI Concrete, Add	15.65	
	For 4,500 PSI Concrete, Add	18.20	
	For 5,000 PSI Concrete, Add	20.75	
	For 6,000 PSI Concrete, Add	49.14	
	For 7,500 PSI Concrete, Add	122.02	
	For White Cement Concrete, Add	21.84	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
	For High Early Strength, Type 3 ASTM C150, Add	18.20	
	For Lightweight Aggregate, ASTM C330, Add	63.70	
	For Up To 20, Add	46.63	
	For >20 To 50, Add	17.49	
	For >100 To 200, Deduct	-5.97	
	For >200 To 400, Deduct	-11.94	
	For >400, Deduct	-17.91	
03 31 13 00-0057	CY 12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	309.48	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-10.65	
	For 2,500 PSI Concrete, Deduct	-5.32	
	For 3,500 PSI Concrete, Add	9.86	
	For 3,750 PSI Concrete, Add	13.41	
	For 4,000 PSI Concrete, Add	16.96	
	For 4,500 PSI Concrete, Add	19.72	
	For 5,000 PSI Concrete, Add	22.48	
	For 6,000 PSI Concrete, Add	53.23	
	For 7,500 PSI Concrete, Add	132.20	
	For White Cement Concrete, Add	23.66	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
	For High Early Strength, Type 3 ASTM C150, Add	19.72	
	For Lightweight Aggregate, ASTM C330, Add	69.01	
	For Up To 20, Add	44.93	
	For >20 To 50, Add	16.85	
	For >100 To 200, Deduct	-6.19	
	For >200 To 400, Deduct	-12.38	
	For >400, Deduct	-18.57	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0058	CY		18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns 278.79 Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	32.65	
			For >20 To 50, Add	12.24	
			For >100 To 200, Deduct	-5.58	
			For >200 To 400, Deduct	-11.15	
			For >400, Deduct	-16.73	
03 31 13 00-0059	CY		24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns 256.85 Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	23.88	
			For >20 To 50, Add	8.95	
			For >100 To 200, Deduct	-5.14	
			For >200 To 400, Deduct	-10.27	
			For >400, Deduct	-15.41	
03 31 13 00-0060	CY		36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns 247.07 Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	19.96	
			For >20 To 50, Add	7.49	
			For >100 To 200, Deduct	-4.94	
			For >200 To 400, Deduct	-9.88	
			For >400, Deduct	-14.82	
03 31 13 00-0061			Place Concrete Walls (03 31 13 00-0043).....427.90		
03 31 13 00-0062	CY		Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls 427.90		
			For 2,000 PSI Concrete, Deduct	-9.83	
			For 2,500 PSI Concrete, Deduct	-4.91	
			For 3,500 PSI Concrete, Add	9.10	
			For 3,750 PSI Concrete, Add	12.38	
			For 4,000 PSI Concrete, Add	15.65	
			For 4,500 PSI Concrete, Add	18.20	
			For 5,000 PSI Concrete, Add	20.75	
			For 6,000 PSI Concrete, Add	49.14	
			For 7,500 PSI Concrete, Add	122.02	
			For White Cement Concrete, Add	21.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
			For High Early Strength, Type 3 ASTM C150, Add	18.20	
			For Lightweight Aggregate, ASTM C330, Add	63.70	
			For Up To 20, Add	98.36	
			For >20 To 50, Add	36.89	
			For >100 To 200, Deduct	-8.56	
			For >200 To 400, Deduct	-17.12	
			For >400, Deduct	-25.67	



	Concrete	03	CS
	Cast-In-Place Concrete	03 30	
	Structural Concrete	03 31	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 31 13 00-0063	CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls		407.51	
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	90.21		
	For >20 To 50, Add	33.83		
	For >100 To 200, Deduct	-8.15		
	For >200 To 400, Deduct	-16.30		
	For >400, Deduct	-24.45		
03 31 13 00-0064	CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls		354.13	
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	68.86		
	For >20 To 50, Add	25.82		
	For >100 To 200, Deduct	-7.08		
	For >200 To 400, Deduct	-14.17		
	For >400, Deduct	-21.25		
03 31 13 00-0065	CY Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls		292.55	
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	44.22		
	For >20 To 50, Add	16.58		
	For >100 To 200, Deduct	-5.85		
	For >200 To 400, Deduct	-11.70		
	For >400, Deduct	-17.55		
03 31 13 00-0066	CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls		270.43	
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	35.38		
	For >20 To 50, Add	13.27		
	For >100 To 200, Deduct	-5.41		
	For >200 To 400, Deduct	-10.82		
	For >400, Deduct	-16.23		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0067	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls		259.37	
		For 2,000 PSI Concrete, Deduct		-9.83	
		For 2,500 PSI Concrete, Deduct		-4.91	
		For 3,500 PSI Concrete, Add		9.10	
		For 3,750 PSI Concrete, Add		12.38	
		For 4,000 PSI Concrete, Add		15.65	
		For 4,500 PSI Concrete, Add		18.20	
		For 5,000 PSI Concrete, Add		20.75	
		For 6,000 PSI Concrete, Add		49.14	
		For 7,500 PSI Concrete, Add		122.02	
		For White Cement Concrete, Add		21.84	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		23.66	
		For High Early Strength, Type 3 ASTM C150, Add		18.20	
		For Lightweight Aggregate, ASTM C330, Add		63.70	
		For Up To 20, Add		30.95	
		For >20 To 50, Add		11.61	
		For >100 To 200, Deduct		-5.19	
		For >200 To 400, Deduct		-10.37	
		For >400, Deduct		-15.56	
03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls		302.44	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-10.65	
		For 2,500 PSI Concrete, Deduct		-5.32	
		For 3,500 PSI Concrete, Add		9.86	
		For 3,750 PSI Concrete, Add		13.41	
		For 4,000 PSI Concrete, Add		16.96	
		For 4,500 PSI Concrete, Add		19.72	
		For 5,000 PSI Concrete, Add		22.48	
		For 6,000 PSI Concrete, Add		53.23	
		For 7,500 PSI Concrete, Add		132.20	
		For White Cement Concrete, Add		23.66	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		25.63	
		For High Early Strength, Type 3 ASTM C150, Add		19.72	
		For Lightweight Aggregate, ASTM C330, Add		69.01	
		For Up To 20, Add		42.11	
		For >20 To 50, Add		15.79	
		For >100 To 200, Deduct		-6.05	
		For >200 To 400, Deduct		-12.10	
		For >400, Deduct		-18.15	
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls		281.39	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-10.65	
		For 2,500 PSI Concrete, Deduct		-5.32	
		For 3,500 PSI Concrete, Add		9.86	
		For 3,750 PSI Concrete, Add		13.41	
		For 4,000 PSI Concrete, Add		16.96	
		For 4,500 PSI Concrete, Add		19.72	
		For 5,000 PSI Concrete, Add		22.48	
		For 6,000 PSI Concrete, Add		53.23	
		For 7,500 PSI Concrete, Add		132.20	
		For White Cement Concrete, Add		23.66	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		25.63	
		For High Early Strength, Type 3 ASTM C150, Add		19.72	
		For Lightweight Aggregate, ASTM C330, Add		69.01	
		For Up To 20, Add		33.69	
		For >20 To 50, Add		12.63	
		For >100 To 200, Deduct		-5.63	
		For >200 To 400, Deduct		-11.26	
		For >400, Deduct		-16.88	
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls		270.86	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-10.65	
		For 2,500 PSI Concrete, Deduct		-5.32	
		For 3,500 PSI Concrete, Add		9.86	
		For 3,750 PSI Concrete, Add		13.41	
		For 4,000 PSI Concrete, Add		16.96	
		For 4,500 PSI Concrete, Add		19.72	
		For 5,000 PSI Concrete, Add		22.48	
		For 6,000 PSI Concrete, Add		53.23	
		For 7,500 PSI Concrete, Add		132.20	
		For White Cement Concrete, Add		23.66	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		25.63	
		For High Early Strength, Type 3 ASTM C150, Add		19.72	
		For Lightweight Aggregate, ASTM C330, Add		69.01	
		For Up To 20, Add		29.48	
		For >20 To 50, Add		11.06	
		For >100 To 200, Deduct		-5.42	
		For >200 To 400, Deduct		-10.83	
		For >400, Deduct		-16.25	

03 31 13 00-0071 Place Elevated Concrete Stairs (03 31 13 00-0043)



Concrete		03	CS
Cast-In-Place Concrete		03 30	
Structural Concrete		03 31	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 31 13 00-0072	CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	679.14		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	198.86		
	For >20 To 50, Add	74.57		
	For >100 To 200, Deduct	-13.58		
	For >200 To 400, Deduct	-27.17		
	For >400, Deduct	-40.75		
03 31 13 00-0073	CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	405.49		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	89.40		
	For >20 To 50, Add	33.53		
	For >100 To 200, Deduct	-8.11		
	For >200 To 400, Deduct	-16.22		
	For >400, Deduct	-24.33		
03 31 13 00-0074	CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	383.41		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-10.65		
	For 2,500 PSI Concrete, Deduct	-5.32		
	For 3,500 PSI Concrete, Add	9.86		
	For 3,750 PSI Concrete, Add	13.41		
	For 4,000 PSI Concrete, Add	16.96		
	For 4,500 PSI Concrete, Add	19.72		
	For 5,000 PSI Concrete, Add	22.48		
	For 6,000 PSI Concrete, Add	53.23		
	For 7,500 PSI Concrete, Add	132.20		
	For White Cement Concrete, Add	23.66		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63		
	For High Early Strength, Type 3 ASTM C150, Add	19.72		
	For Lightweight Aggregate, ASTM C330, Add	69.01		
	For Up To 20, Add	74.50		
	For >20 To 50, Add	27.94		
	For >100 To 200, Deduct	-7.67		
	For >200 To 400, Deduct	-15.34		
	For >400, Deduct	-23.00		
03 31 13 00-0075	Place Concrete Coping (03 31 13 00-0043)	696.32		
03 31 13 00-0076	CY Crane And Bucket, Place 3,000 PSI Concrete Coping	696.32		
	For 2,000 PSI Concrete, Deduct	-9.83		
	For 2,500 PSI Concrete, Deduct	-4.91		
	For 3,500 PSI Concrete, Add	9.10		
	For 3,750 PSI Concrete, Add	12.38		
	For 4,000 PSI Concrete, Add	15.65		
	For 4,500 PSI Concrete, Add	18.20		
	For 5,000 PSI Concrete, Add	20.75		
	For 6,000 PSI Concrete, Add	49.14		
	For 7,500 PSI Concrete, Add	122.02		
	For White Cement Concrete, Add	21.84		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66		
	For High Early Strength, Type 3 ASTM C150, Add	18.20		
	For Lightweight Aggregate, ASTM C330, Add	63.70		
	For Up To 20, Add	205.73		
	For >20 To 50, Add	77.15		
	For >100 To 200, Deduct	-13.93		
	For >200 To 400, Deduct	-27.85		
	For >400, Deduct	-41.78		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0077	CY		Direct Chute, Place 3,000 PSI Concrete Coping	403.98	
			For 2,000 PSI Concrete, Deduct	-9.83	
			For 2,500 PSI Concrete, Deduct	-4.91	
			For 3,500 PSI Concrete, Add	9.10	
			For 3,750 PSI Concrete, Add	12.38	
			For 4,000 PSI Concrete, Add	15.65	
			For 4,500 PSI Concrete, Add	18.20	
			For 5,000 PSI Concrete, Add	20.75	
			For 6,000 PSI Concrete, Add	49.14	
			For 7,500 PSI Concrete, Add	122.02	
			For White Cement Concrete, Add	21.84	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.66	
			For High Early Strength, Type 3 ASTM C150, Add	18.20	
			For Lightweight Aggregate, ASTM C330, Add	63.70	
			For Up To 20, Add	88.80	
			For >20 To 50, Add	33.30	
			For >100 To 200, Deduct	-8.08	
			For >200 To 400, Deduct	-16.16	
			For >400, Deduct	-24.24	
03 31 13 00-0078	CY		Concrete Pump, Place 3,000 PSI Concrete Coping	533.41	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.65	
			For 2,500 PSI Concrete, Deduct	-5.32	
			For 3,500 PSI Concrete, Add	9.86	
			For 3,750 PSI Concrete, Add	13.41	
			For 4,000 PSI Concrete, Add	16.96	
			For 4,500 PSI Concrete, Add	19.72	
			For 5,000 PSI Concrete, Add	22.48	
			For 6,000 PSI Concrete, Add	53.23	
			For 7,500 PSI Concrete, Add	132.20	
			For White Cement Concrete, Add	23.66	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.63	
			For High Early Strength, Type 3 ASTM C150, Add	19.72	
			For Lightweight Aggregate, ASTM C330, Add	69.01	
			For Up To 20, Add	134.50	
			For >20 To 50, Add	50.44	
			For >100 To 200, Deduct	-10.67	
			For >200 To 400, Deduct	-21.34	
			For >400, Deduct	-32.00	
03 31 13 00-0079			Concrete Carts (03 31 13 00-0010)		
			Note: Used to place concrete were necessary.		
03 31 13 00-0080	CY		50' Haul, Non-Motorized, Concrete Buggy	26.11	
03 31 13 00-0081	CY		150' Haul, Non-Motorized, Concrete Buggy	34.96	
03 31 13 00-0082	CY		250' Haul, Non-Motorized, Concrete Buggy	46.63	
03 31 13 00-0083	CY		50' Haul, Motorized, Concrete Buggy	11.78	
03 31 13 00-0084	CY		150' Haul, Motorized, Concrete Buggy	15.79	
03 31 13 00-0085	CY		250' Haul, Motorized, Concrete Buggy	21.06	
03 31 13 00-0086			Delivery Fee For Small Concrete Purchases (Short Load) (03 31 13)		
03 31 13 00-0087	CY		Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY	27.00	
			Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.		
03 31 13 00-0088			Delivery Fee For Concrete, Per Full Truck Load (03 31 13)		
03 31 13 00-0089	EA		Concrete Delivery Fee, Per Truck	40.00	
			Note: To be added to all concrete leaving concrete yard		
03 31 13 00-0090			Equipment Pads (03 31 13)		
03 31 13 00-0091			Small Concrete Equipment Housekeeping Pad Assemblies (03 31 13 00-0090)		
			Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.		
03 31 13 00-0092	SF		4" Equipment Pad With Welded Wire Reinforcement Assembly	20.77	
			For >5 To 20 Pads, Deduct	-2.59	
			For >20 To 50 Pads, Deduct	-4.75	
			For >50 Pads, Deduct	-6.92	
03 31 13 00-0093	SF		4" Equipment Pad With Rebar Assembly	26.78	
			For >5 To 20 Pads, Deduct	-2.99	
			For >20 To 50 Pads, Deduct	-5.49	
			For >50 Pads, Deduct	-7.98	
03 31 13 00-0094	SF		6" Equipment Pad With Rebar Assembly	33.46	
			For >5 To 20 Pads, Deduct	-3.76	
			For >20 To 50 Pads, Deduct	-6.90	
			For >50 Pads, Deduct	-10.03	
03 31 13 00-0095	SF		8" Equipment Pad With Rebar Assembly	41.81	
			For >5 To 20 Pads, Deduct	-4.78	
			For >20 To 50 Pads, Deduct	-8.76	
			For >50 Pads, Deduct	-12.75	



Concrete		03	CS
Cast-In-Place Concrete		03 30	
Structural Concrete		03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 16 Lightweight Structural Concrete (03 31)		
03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill (03 31 16)		
03 31 16 00-0002 CY Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range.....	318.27	
03 31 23 High-Performance Structural Concrete (03 31)		
03 31 23 00-0001 Structural (Fly Ash) Concrete (03 31 23)		
03 31 23 00-0002 CY Direct Chute, 150 PSI Structural (Fly Ash) Concrete.....	130.64	
03 31 23 00-0003 CY Direct Chute, 500 PSI Structural (Fly Ash) Concrete.....	133.24	
03 31 23 00-0004 CY Direct Chute, 1,000 PSI Structural (Fly Ash) Concrete.....	136.72	
03 35 Concrete Finishing (03 30)		
03 35 13 High-Tolerance Concrete Floor Finishing (03 35)		
03 35 13 00-0001 Floor Finishes (03 35 13)		
Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002 SF Screed, Concrete Floor Finish.....	1.14	
For Up To 100, Add	2.28	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.29	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.11	
03 35 13 00-0003 SF Darby, Concrete Floor Finish.....	1.36	
For Up To 100, Add	2.72	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.34	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000, Deduct	-0.14	
03 35 13 00-0004 SF Broom, Concrete Floor Finish.....	1.50	
For Up To 100, Add	3.00	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.38	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000, Deduct	-0.15	
03 35 13 00-0005 SF Final Float, Concrete Floor Finish.....	1.75	
For Up To 100, Add	3.50	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.44	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000, Deduct	-0.18	
03 35 13 00-0006 SF Steel Trowel, Concrete Floor Finish.....	1.97	
For Up To 100, Add	3.94	
For >100 To 250, Add	0.99	
For >250 To 500, Add	0.49	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000, Deduct	-0.20	
03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)		
03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)		
03 35 16 00-0002 SF 0.3 Lb./SF, Metallic, Shake On Floor Hardener.....	1.40	
03 35 16 00-0003 SF 0.65 Lb./SF, Metallic, Shake On Floor Hardener.....	2.13	
03 35 16 00-0004 SF 0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener.....	1.33	
03 35 16 00-0005 SF 0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener.....	1.59	
03 35 19 Colored Concrete Finishing (03 35)		
03 35 19 00-0001 Concrete Surface Treatments (03 35 19)		
03 35 19 00-0002 SF Acrylic Latex Bonding Agent.....	0.57	
03 35 19 00-0003 SF Epoxy Resin Bonding Agent.....	3.39	
03 35 19 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproofers.....	0.41	
03 35 19 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproofers.....	0.43	
03 35 23 Exposed Aggregate Concrete Finishing (03 35)		
03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish.....	4.20	
03 35 26 Grooved Concrete Surface Finishing (03 35)		
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002 SF Ramp, Grooved Concrete Surface Finishing.....	4.75	
03 35 29 Tooled Concrete Finishing (03 35)		

03 Concrete**03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 29 00-0001		Solid Board Concrete Finish (03 35 29)		
03 35 29 00-0002	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	19.25	
03 35 29 00-0003		Marblecrete Finishes (03 35 29)		
03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	44.20	
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	59.26	
03 35 33		Stamped Concrete Finishing (03 35)		
03 35 33 00-0001		Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	4.55	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	4.12	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	3.94	
03 35 63		Slip-Resistant Floor Finishing (03 35)		
03 35 63 00-0001		Slip-Resistant Floor Finishing (03 35 63)		
03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	1.76	
		For Up To 100, Add	2.18	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.27	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000, Deduct	-0.11	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.59	
		For Up To 100, Add	2.18	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.27	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000, Deduct	-0.11	
03 35 66		Acid Etch Floor Finishing (03 35)		
03 35 66 00-0001		Acid Etch Floor (03 35 66)		
03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	1.10	
		For Up To 100, Add	1.04	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.13	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000, Deduct	-0.05	
03 35 83		Concrete Wall Finishing (03 35)		
03 35 83 00-0001		Wall Finishes (03 35 83)		
03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	2.00	
		For Up To 100, Add	3.80	
		For >100 To 250, Add	0.95	
		For >250 To 500, Add	0.48	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000, Deduct	-0.19	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	3.01	
		For Up To 100, Add	5.70	
		For >100 To 250, Add	1.43	
		For >250 To 500, Add	0.71	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000, Deduct	-0.29	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.21	
		For Up To 100, Add	1.26	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.16	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000, Deduct	-0.06	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	6.08	
		For Up To 100, Add	12.06	
		For >100 To 250, Add	3.02	
		For >250 To 500, Add	1.51	
		For >5,000 To 10,000, Deduct	-0.30	
		For >10,000, Deduct	-0.60	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	9.42	
		For Up To 100, Add	18.64	
		For >100 To 250, Add	4.66	
		For >250 To 500, Add	2.33	
		For >5,000 To 10,000, Deduct	-0.47	
		For >10,000, Deduct	-0.93	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.15	
		For Up To 100, Add	2.04	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.26	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000, Deduct	-0.10	



Concrete		03	CS
Cast-In-Place Concrete		03 30	
Concrete Finishing		03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0008 SF Carborundum Dry Rub, New Concrete Wall Finishes.....	3.92	
For Up To 100, Add	7.58	
For >100 To 250, Add	1.90	
For >250 To 500, Add	0.95	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000, Deduct	-0.38	
03 35 83 00-0009 SF Carborundum Wet Rub, New Concrete Wall Finishes.....	5.99	
For Up To 100, Add	11.72	
For >100 To 250, Add	2.93	
For >250 To 500, Add	1.47	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000, Deduct	-0.59	
03 35 83 00-0010 SF Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes	5.91	
Note: 4.5 Lb. of sand or abrasive media material per SF		
For Up To 100, Add	9.52	
For >100 To 250, Add	2.38	
For >250 To 500, Add	1.19	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000, Deduct	-0.48	
03 35 83 00-0011 SF >1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes	11.80	
Note: 9 Lb. of sand abrasive media material per SF		
For Up To 100, Add	19.02	
For >100 To 250, Add	4.76	
For >250 To 500, Add	2.38	
For >5,000 To 10,000, Deduct	-0.48	
For >10,000, Deduct	-0.95	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced	3.67	
For Up To 25, Add	0.70	
For >25 To 50, Add	0.40	
For >50 To 150, Add	0.17	
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced	6.89	
For Up To 25, Add	1.28	
For >25 To 50, Add	0.74	
For >50 To 150, Add	0.30	
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced	9.74	
For Up To 25, Add	1.78	
For >25 To 50, Add	1.02	
For >50 To 150, Add	0.40	
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced	12.28	
For Up To 25, Add	2.19	
For >25 To 50, Add	1.26	
For >50 To 150, Add	0.48	
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced	16.58	
For Up To 25, Add	2.83	
For >25 To 50, Add	1.61	
For >50 To 150, Add	0.59	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008 SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.04	
For Radius Or Irregular Surface, Add	1.22	
For Up To 25, Add	0.86	
For >25 To 50, Add	0.51	
For >50 To 150, Add	0.23	
03 37 13 00-0009 SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.44	
For Radius Or Irregular Surface, Add	2.18	
For Up To 25, Add	1.56	
For >25 To 50, Add	0.92	
For >50 To 150, Add	0.41	
03 37 13 00-0010 SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.34	
For Radius Or Irregular Surface, Add	2.94	
For Up To 25, Add	2.14	
For >25 To 50, Add	1.25	
For >50 To 150, Add	0.55	
03 37 13 00-0011 SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.82	
For Radius Or Irregular Surface, Add	3.53	
For Up To 25, Add	2.61	
For >25 To 50, Add	1.52	
For >50 To 150, Add	0.66	
03 37 13 00-0012 SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.92	
For Radius Or Irregular Surface, Add	3.98	
For Up To 25, Add	2.98	
For >25 To 50, Add	1.74	
For >50 To 150, Add	0.75	

03 Concrete**03 30 Cast-In-Place Concrete****03 37 Specialty Placed Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0013 SF 6" Thick Gunitite (Dry Mix Shotcrete), Sprayed 16.70 For Radius Or Irregular Surface, Add 4.29 For Up To 25, Add 3.28 For >25 To 50, Add 1.91 For >50 To 150, Add 0.80		
03 37 13 00-0014 SF 8" Thick Gunitite (Dry Mix Shotcrete), Sprayed 20.85 For Radius Or Irregular Surface, Add 5.15 For Up To 25, Add 4.02 For >25 To 50, Add 2.33 For >50 To 150, Add 0.97		
03 37 13 00-0015 SF 10" Thick Gunitite (Dry Mix Shotcrete), Sprayed 24.44 For Radius Or Irregular Surface, Add 5.79 For Up To 25, Add 4.62 For >25 To 50, Add 2.67 For >50 To 150, Add 1.09		
03 37 13 00-0016 SF 12" Thick Gunitite (Dry Mix Shotcrete), Sprayed 27.60 For Radius Or Irregular Surface, Add 6.26 For Up To 25, Add 5.11 For >25 To 50, Add 2.94 For >50 To 150, Add 1.17		

03 37 16 Pumped Concrete (03 37)**03 37 16 00-0001 Concrete Pumping With Boom Truck** (03 37 16)

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for cleanup of equipment add one hour. Use four hours as the minimum cost including set-up and cleanup. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002 HR 55' To 60' Boom Truck For Concrete Placement 266.29 Note: 95 CY per hour rating		
03 37 16 00-0003 HR 70' To 80' Boom Truck For Concrete Placement 289.01 Note: 117 CY per hour rating For Each CY Of Concrete Pumped, Add 1.25		
03 37 16 00-0004 HR 90' To 100' Boom Truck For Concrete Placement 371.05 Note: 117 CY per hour rating For Each CY Of Concrete Pumped, Add 1.50		
03 37 16 00-0005 HR 105' To 115' Boom Truck For Concrete Placement 422.13 Note: 117 CY per hour rating For Each CY Of Concrete Pumped, Add 1.50		
03 37 16 00-0006 HR 120' To 130' Boom Truck For Concrete Placement 474.84 Note: 170 CY per hour rating For Each CY Of Concrete Pumped, Add 1.75		
03 37 16 00-0007 HR 135' To 140' Boom Truck For Concrete Placement 586.47 Note: 170 CY per hour rating		
03 37 16 00-0008 HR 148' To 155' Boom Truck For Concrete Placement 653.07 Note: 170 CY per hour rating		
03 37 16 00-0009 HR 170' To 175' Boom Truck For Concrete Placement 814.38 Note: 182 CY per hour rating For Each CY Of Concrete Pumped, Add 2.25		
03 37 16 00-0010 HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump 180.15 Note: Includes hoses		

03 38 Post-Tensioned Concrete (03 30)**03 38 16 Unbonded Post-Tensioned Concrete** (03 38)**03 38 16 00-0001 Post-Tensioned Concrete Slab, 1/2" Diameter, Non-bonded Strands, HDPE Sheathed** (03 38 16)

03 38 16 00-0002 SF Up To 600 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 36" O.C. 1.29		
03 38 16 00-0003 SF Up To 600 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 42" O.C. 1.19		
03 38 16 00-0004 SF Up To 600 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 48" O.C. 1.07		
03 38 16 00-0005 SF > 600 To 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 36" O.C. 1.20		
03 38 16 00-0006 SF > 600 To 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 42" O.C. 1.06		
03 38 16 00-0007 SF > 600 To 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 48" O.C. 0.97		
03 38 16 00-0008 SF > 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 36" O.C. 1.11		
03 38 16 00-0009 SF > 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 42" O.C. 1.00		
03 38 16 00-0010 SF > 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 48" O.C. 0.89		

03 38 16 00-0011 Stressing Of Slab, 1/2" Diameter, Non-bonded Strands, Tensioned Concrete (03 38 16)

03 38 16 00-0012 SF Up To 600 SF Slab, Stressing Of Strands @ 36" O.C. 0.47		
03 38 16 00-0013 SF Up To 600 SF Slab, Stressing Of Strands @ 42" O.C. 0.43		
03 38 16 00-0014 SF Up To 600 SF Slab, Stressing Of Strands @ 48" O.C. 0.39		
03 38 16 00-0015 SF >600 To 1,200 SF Slab, Stressing Of Strands @ 36" O.C. 0.41		
03 38 16 00-0016 SF >600 To 1,200 SF Slab, Stressing Of Strands @ 42" O.C. 0.38		
03 38 16 00-0017 SF >600 To 1,200 SF Slab, Stressing Of Strands @ 48" O.C. 0.36		
03 38 16 00-0018 SF >1,200 SF Slab, Stressing Of Strands @ 36" O.C. 0.31		
03 38 16 00-0019 SF >1,200 SF Slab, Stressing Of Strands @ 42" O.C. 0.28		
03 38 16 00-0020 SF >1,200 SF Slab, Stressing Of Strands @ 48" O.C. 0.26		



	Concrete	03	CS
	Cast-In-Place Concrete	03 30	
	Post-Tensioned Concrete	03 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 39 Concrete Curing (03 30)

03 39 13 Water Concrete Curing (03 39)

03 39 13 00-0001 Water Concrete Curing (03 39 13)

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound	0.38	
Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.				

03 39 23 Membrane Concrete Curing (03 39)

03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

03 39 23 23-0001 Warm Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	35.49	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	183.73	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	39.54	

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-0001 Flat Floor Slab/Floor Plank (03 41 16)

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	375.98	300.81
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	417.97	334.31
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	443.82	355.03
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	470.50	376.42
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	503.51	402.80
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	538.14	430.51
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	577.86	462.26
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	628.48	502.76
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	683.35	546.74

03 41 16 00-0012 Material Cost (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.				
03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	34.65	
For 3,500 PSI Concrete, Add			0.69	
For 4,000 PSI Concrete, Add			1.04	
For 4,500 PSI Concrete, Add			1.39	
For 5,000 PSI Concrete, Add			2.08	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	41.58	
For 3,500 PSI Concrete, Add			0.83	
For 4,000 PSI Concrete, Add			1.25	
For 4,500 PSI Concrete, Add			1.66	
For 5,000 PSI Concrete, Add			2.49	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	50.82	
For 3,500 PSI Concrete, Add			1.02	
For 4,000 PSI Concrete, Add			1.52	
For 4,500 PSI Concrete, Add			2.03	
For 5,000 PSI Concrete, Add			3.05	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	67.45	
For 3,500 PSI Concrete, Add			1.35	
For 4,000 PSI Concrete, Add			2.02	
For 4,500 PSI Concrete, Add			2.70	
For 5,000 PSI Concrete, Add			4.05	

03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	462.42	369.93
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	504.02	403.27
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	557.07	445.61
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	618.56	494.82
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	695.33	556.21

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	582.70	466.19
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	635.11	508.05
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	701.97	561.62
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	779.46	623.59
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	876.18	701.01
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	952.67	762.08
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	1,052.95	842.35
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	1,165.40	932.38
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	1,319.08	1,055.26

03 41 16 00-0034 Material Cost (03 41 16 00-0017)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

03 41 16 00-0035 4" Slab (03 41 16 00-0034)

03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,649.76	
		For 3,500 PSI Concrete, Add	73.00	
		For 4,000 PSI Concrete, Add	109.49	
		For 4,500 PSI Concrete, Add	145.99	
		For 5,000 PSI Concrete, Add	218.99	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,695.96	
		For 3,500 PSI Concrete, Add	73.92	
		For 4,000 PSI Concrete, Add	110.88	
		For 4,500 PSI Concrete, Add	147.84	
		For 5,000 PSI Concrete, Add	221.76	
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,157.96	
		For 3,500 PSI Concrete, Add	83.16	
		For 4,000 PSI Concrete, Add	124.74	
		For 4,500 PSI Concrete, Add	166.32	
		For 5,000 PSI Concrete, Add	249.48	

03 41 16 00-0039 5" Slab (03 41 16 00-0034)

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,742.16	
		For 3,500 PSI Concrete, Add	74.84	
		For 4,000 PSI Concrete, Add	112.26	
		For 4,500 PSI Concrete, Add	149.69	
		For 5,000 PSI Concrete, Add	224.53	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,880.76	
		For 3,500 PSI Concrete, Add	77.62	
		For 4,000 PSI Concrete, Add	116.42	
		For 4,500 PSI Concrete, Add	155.23	
		For 5,000 PSI Concrete, Add	232.85	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,943.35	
		For 3,500 PSI Concrete, Add	98.87	
		For 4,000 PSI Concrete, Add	148.30	
		For 4,500 PSI Concrete, Add	197.73	
		For 5,000 PSI Concrete, Add	296.60	

03 41 16 00-0043 6" Slab (03 41 16 00-0034)

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,880.76	
		For 3,500 PSI Concrete, Add	77.62	
		For 4,000 PSI Concrete, Add	116.42	
		For 4,500 PSI Concrete, Add	155.23	
		For 5,000 PSI Concrete, Add	232.85	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	4,619.96	
		For 3,500 PSI Concrete, Add	92.40	
		For 4,000 PSI Concrete, Add	138.60	
		For 4,500 PSI Concrete, Add	184.80	
		For 5,000 PSI Concrete, Add	277.20	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	5,636.35	
		For 3,500 PSI Concrete, Add	112.73	
		For 4,000 PSI Concrete, Add	169.09	
		For 4,500 PSI Concrete, Add	225.45	
		For 5,000 PSI Concrete, Add	338.18	

03 41 19 Precast Concrete Wall Panels (03 41)**03 41 19 00-0001 Structural Wall Panels** (03 41 19)

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	371.17	296.96
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	412.61	330.03
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	464.47	371.60



	Concrete	03	CS
	Precast Concrete	03 40	
	Precast Structural Concrete	03 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0006	EA		Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	497.06	397.64
03 41 19 00-0007	EA		Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	531.24	424.99
03 41 19 00-0008	EA		Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	570.45	456.34
03 41 19 00-0009	EA		Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	620.43	496.32
03 41 19 00-0010	EA		Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	674.60	539.74
03 41 19 00-0011			Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA		Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	415.98	332.75
03 41 19 00-0013	EA		Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	462.42	369.93
03 41 19 00-0014	EA		Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	520.55	416.50
03 41 19 00-0015	EA		Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	557.07	445.61
03 41 19 00-0016	EA		Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	595.37	476.29
03 41 19 00-0017	EA		Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	639.32	511.49
03 41 19 00-0018	EA		Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	695.33	556.21
03 41 19 00-0019	EA		Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	756.02	604.76
03 41 19 00-0020	EA		Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	835.61	668.54
03 41 19 00-0021	EA		Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	924.84	739.84
03 41 19 00-0022	EA		Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,046.80	837.49
03 41 19 00-0023	EA		Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,190.74	952.59
03 41 19 00-0024	EA		Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,380.57	1,104.48
03 41 19 00-0025			Material Cost (03 41 19 00-0001) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026	SF		4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	46.20	
			For 3,500 PSI Concrete, Add	0.92	
			For 4,000 PSI Concrete, Add	1.39	
			For 4,500 PSI Concrete, Add	1.85	
			For 5,000 PSI Concrete, Add	2.77	
			For White Facing, Add	9.24	
			For Solid White Through Thickness, Add	9.24	
			For Broken Rib Finish, Add	4.62	
			For Fluted Surface, Add	4.62	
			For Exposed Aggregate, Add	9.24	
			For Sandblasting Of Surface, Add	4.62	
			For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0027	SF		5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	56.82	
			For 3,500 PSI Concrete, Add	1.14	
			For 4,000 PSI Concrete, Add	1.70	
			For 4,500 PSI Concrete, Add	2.27	
			For 5,000 PSI Concrete, Add	3.41	
			For White Facing, Add	11.36	
			For Solid White Through Thickness, Add	11.36	
			For Broken Rib Finish, Add	5.68	
			For Fluted Surface, Add	5.68	
			For Exposed Aggregate, Add	11.36	
			For Sandblasting Of Surface, Add	5.68	
			For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0028	SF		6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	68.38	
			For 3,500 PSI Concrete, Add	1.37	
			For 4,000 PSI Concrete, Add	2.05	
			For 4,500 PSI Concrete, Add	2.74	
			For 5,000 PSI Concrete, Add	4.10	
			For White Facing, Add	13.68	
			For Solid White Through Thickness, Add	13.68	
			For Broken Rib Finish, Add	6.84	
			For Fluted Surface, Add	6.84	
			For Exposed Aggregate, Add	13.68	
			For Sandblasting Of Surface, Add	6.84	
			For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0029	SF		8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	90.09	
			For 3,500 PSI Concrete, Add	1.80	
			For 4,000 PSI Concrete, Add	2.70	
			For 4,500 PSI Concrete, Add	3.60	
			For 5,000 PSI Concrete, Add	5.41	
			For White Facing, Add	18.02	
			For Solid White Through Thickness, Add	18.02	
			For Broken Rib Finish, Add	9.01	
			For Fluted Surface, Add	9.01	
			For Exposed Aggregate, Add	18.02	
			For Sandblasting Of Surface, Add	9.01	
			For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0030			Partition Panels (03 41 19)		
03 41 19 00-0031			Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032	EA		Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	297.15	237.68
03 41 19 00-0033	EA		Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	330.33	264.29

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	371.85	297.47
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	425.31	340.24
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	456.70	365.40
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	496.71	397.35
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	540.07	432.11
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	596.92	477.55
03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	371.17	296.96
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	412.61	330.03
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	464.47	371.60
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	531.24	424.99
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	570.45	456.34
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	620.43	496.32
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	674.60	539.74
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	745.60	596.45
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	825.23	660.20
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	934.05	747.19
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	1,062.48	849.99
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,231.86	985.45
03 41 19 00-0053 Material Cost (03 41 19 00-0030)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	43.89	
For 4,000 PSI Concrete, Add	1.32	
For 4,500 PSI Concrete, Add	1.76	
For 5,000 PSI Concrete, Add	2.63	
For White Facing, Add	8.78	
For Solid White Through Thickness, Add	8.78	
For Broken Rib Finish, Add	4.39	
For Fluted Surface, Add	4.39	
For Exposed Aggregate, Add	8.78	
For Sandblasting Of Surface, Add	4.39	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	54.05	
For 4,000 PSI Concrete, Add	1.62	
For 4,500 PSI Concrete, Add	2.16	
For 5,000 PSI Concrete, Add	3.24	
For White Facing, Add	10.81	
For Solid White Through Thickness, Add	10.81	
For Broken Rib Finish, Add	5.41	
For Fluted Surface, Add	5.41	
For Exposed Aggregate, Add	10.81	
For Sandblasting Of Surface, Add	5.41	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	64.68	
For 4,000 PSI Concrete, Add	1.94	
For 4,500 PSI Concrete, Add	2.59	
For 5,000 PSI Concrete, Add	3.88	
For White Facing, Add	12.94	
For Solid White Through Thickness, Add	12.94	
For Broken Rib Finish, Add	6.47	
For Fluted Surface, Add	6.47	
For Exposed Aggregate, Add	12.94	
For Sandblasting Of Surface, Add	6.47	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	85.47	
For 4,000 PSI Concrete, Add	2.56	
For 4,500 PSI Concrete, Add	3.42	
For 5,000 PSI Concrete, Add	5.13	
For White Facing, Add	17.09	
For Solid White Through Thickness, Add	17.09	
For Broken Rib Finish, Add	8.55	
For Fluted Surface, Add	8.55	
For Exposed Aggregate, Add	17.09	
For Sandblasting Of Surface, Add	8.55	
03 41 19 00-0058 Cladding Panels (03 41 19)		
03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0058)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	391.69	313.30
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	438.13	350.48
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	497.06	397.64
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	531.24	424.99
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	570.45	456.34
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	620.43	496.32
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	674.60	539.74
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	745.60	596.45



	Concrete	03	CS
	Precast Concrete	03 40	
	Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	438.99	351.14
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	491.03	392.81
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	557.07	445.61
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	595.37	476.29
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	639.32	511.49
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	695.33	556.21
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	756.02	604.76
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	835.61	668.54
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	924.84	739.84
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	1,046.80	837.49
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,190.74	952.59
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,380.57	1,104.48
03 41 19 00-0081 Material Cost (03 41 19 00-0058) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082 SF 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	43.89	
For 3,500 PSI Concrete, Add	0.88	
For 4,000 PSI Concrete, Add	1.32	
For 4,500 PSI Concrete, Add	1.76	
For 5,000 PSI Concrete, Add	2.63	
For White Facing, Add	8.78	
For Solid White Through Thickness, Add	8.78	
For Broken Rib Finish, Add	4.39	
For Fluted Surface, Add	4.39	
For Exposed Aggregate, Add	8.78	
For Sandblasting Of Surface, Add	4.39	
03 41 19 00-0083 SF 5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	54.05	
For 3,500 PSI Concrete, Add	1.08	
For 4,000 PSI Concrete, Add	1.62	
For 4,500 PSI Concrete, Add	2.16	
For 5,000 PSI Concrete, Add	3.24	
For White Facing, Add	10.81	
For Solid White Through Thickness, Add	10.81	
For Broken Rib Finish, Add	5.41	
For Fluted Surface, Add	5.41	
For Exposed Aggregate, Add	10.81	
For Sandblasting Of Surface, Add	5.41	
03 41 19 00-0084 SF 6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	64.68	
For 3,500 PSI Concrete, Add	1.29	
For 4,000 PSI Concrete, Add	1.94	
For 4,500 PSI Concrete, Add	2.59	
For 5,000 PSI Concrete, Add	3.88	
For White Facing, Add	12.94	
For Solid White Through Thickness, Add	12.94	
For Broken Rib Finish, Add	6.47	
For Fluted Surface, Add	6.47	
For Exposed Aggregate, Add	12.94	
For Sandblasting Of Surface, Add	6.47	
03 41 19 00-0085 SF 8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	85.47	
For 3,500 PSI Concrete, Add	1.71	
For 4,000 PSI Concrete, Add	2.56	
For 4,500 PSI Concrete, Add	3.42	
For 5,000 PSI Concrete, Add	5.13	
For White Facing, Add	17.09	
For Solid White Through Thickness, Add	17.09	
For Broken Rib Finish, Add	8.55	
For Fluted Surface, Add	8.55	
For Exposed Aggregate, Add	17.09	
For Sandblasting Of Surface, Add	8.55	
03 41 19 00-0086 Sandwich Panel (03 41 19)		
03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	391.69	313.30
03 41 19 00-0089 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	438.13	350.48
03 41 19 00-0090 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	497.06	397.64
03 41 19 00-0091 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	531.24	424.99
03 41 19 00-0092 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	570.45	456.34
03 41 19 00-0093 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	620.43	496.32
03 41 19 00-0094 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	674.60	539.74
03 41 19 00-0095 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	745.60	596.45
03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0097 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	396.78	317.36
03 41 19 00-0098 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	443.82	355.03
03 41 19 00-0099 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	503.51	402.80
03 41 19 00-0100 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	538.14	430.51
03 41 19 00-0101 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	577.86	462.26
03 41 19 00-0102 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	628.48	502.76
03 41 19 00-0103 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	683.35	546.74
03 41 19 00-0104 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	755.28	604.19
03 41 19 00-0105 EA Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	835.94	668.76
03 41 19 00-0106 EA Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	946.17	756.89
03 41 19 00-0107 EA Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,076.26	861.02
03 41 19 00-0108 EA Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,247.85	998.24

03 41 19 00-0109**Material Cost** (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110 SF 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	60.06	
For 3,500 PSI Concrete, Add	1.20	
For 4,000 PSI Concrete, Add	1.80	
For 4,500 PSI Concrete, Add	2.40	
For 5,000 PSI Concrete, Add	3.60	
For White Facing, Add	12.01	
For Solid White Through Thickness, Add	12.01	
For Broken Rib Finish, Add	6.01	
For Fluted Surface, Add	6.01	
For Exposed Aggregate, Add	12.01	
For Sandblasting Of Surface, Add	6.01	
03 41 19 00-0111 SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	70.69	
For 3,500 PSI Concrete, Add	1.41	
For 4,000 PSI Concrete, Add	2.12	
For 4,500 PSI Concrete, Add	2.83	
For 5,000 PSI Concrete, Add	4.24	
For White Facing, Add	14.14	
For Solid White Through Thickness, Add	14.14	
For Broken Rib Finish, Add	7.07	
For Fluted Surface, Add	7.07	
For Exposed Aggregate, Add	14.14	
For Sandblasting Of Surface, Add	7.07	
03 41 19 00-0112 SF 6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	82.24	
For 3,500 PSI Concrete, Add	1.64	
For 4,000 PSI Concrete, Add	2.47	
For 4,500 PSI Concrete, Add	3.29	
For 5,000 PSI Concrete, Add	4.93	
For White Facing, Add	16.45	
For Solid White Through Thickness, Add	16.45	
For Broken Rib Finish, Add	8.22	
For Fluted Surface, Add	8.22	
For Exposed Aggregate, Add	16.45	
For Sandblasting Of Surface, Add	8.22	
03 41 19 00-0113 SF 8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	103.95	
For 3,500 PSI Concrete, Add	2.08	
For 4,000 PSI Concrete, Add	3.12	
For 4,500 PSI Concrete, Add	4.16	
For 5,000 PSI Concrete, Add	6.24	
For White Facing, Add	20.79	
For Solid White Through Thickness, Add	20.79	
For Broken Rib Finish, Add	10.40	
For Fluted Surface, Add	10.40	
For Exposed Aggregate, Add	20.79	
For Sandblasting Of Surface, Add	10.40	

03 41 23 Precast Concrete Stairs (03 41)**03 41 23 00-0001****Erection Costs Using A 50 Ton Hydraulic Crane** (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002 EA Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	412.61	330.03
03 41 23 00-0003 EA Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	438.13	350.48
03 41 23 00-0004 EA Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	464.47	371.60
03 41 23 00-0005 EA Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	497.06	397.64
03 41 23 00-0006 EA Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	531.24	424.99
03 41 23 00-0007 EA Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	570.45	456.34
03 41 23 00-0008 EA Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	620.43	496.32
03 41 23 00-0009 EA Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	674.60	539.74

03 41 23 00-0010**Erection Costs Using A 90 Ton Crawler Crane** (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011 EA Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	412.61	330.03
03 41 23 00-0012 EA Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	438.13	350.48
03 41 23 00-0013 EA Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	464.47	371.60



	Concrete	03	CS
	Precast Concrete	03 40	
	Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 23 00-0014 EA Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	497.06	397.64
03 41 23 00-0015 EA Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	531.24	424.99
03 41 23 00-0016 EA Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	570.45	456.34
03 41 23 00-0017 EA Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	620.43	496.32
03 41 23 00-0018 EA Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	674.60	539.74
03 41 23 00-0019 Material Cost (03 41 23) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.		
03 41 23 00-0020 EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	925.89	
For 3,500 PSI Concrete, Add	120.83	
For 4,000 PSI Concrete, Add	227.03	
For 4,500 PSI Concrete, Add	333.69	
For 5,000 PSI Concrete, Add	453.96	
03 41 26 Precast Concrete Structural Sections (03 41) 03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26) 03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	520.55	416.50
03 41 26 00-0004 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	557.07	445.61
03 41 26 00-0005 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	595.37	476.29
03 41 26 00-0006 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	639.32	511.49
03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	655.93	524.71
03 41 26 00-0009 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	701.97	561.62
03 41 26 00-0010 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	750.23	600.18
03 41 26 00-0011 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	805.61	644.44
03 41 26 00-0012 EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	876.18	701.01
03 41 26 00-0013 EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	952.67	762.08
03 41 26 00-0014 EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,052.95	842.35
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,165.40	932.38
03 41 26 00-0016 Material Cost (03 41 26 00-0001) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017 1,000 Lb./LF Live Load (03 41 26 00-0016)		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	185.15	
For 3,500 PSI Concrete, Add	5.05	
For 4,000 PSI Concrete, Add	7.59	
For 4,500 PSI Concrete, Add	10.11	
For 5,000 PSI Concrete, Add	15.18	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	231.44	
For 3,500 PSI Concrete, Add	6.32	
For 4,000 PSI Concrete, Add	9.49	
For 4,500 PSI Concrete, Add	12.64	
For 5,000 PSI Concrete, Add	18.98	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	277.73	
For 3,500 PSI Concrete, Add	7.58	
For 4,000 PSI Concrete, Add	11.39	
For 4,500 PSI Concrete, Add	15.16	
For 5,000 PSI Concrete, Add	22.77	
03 41 26 00-0021 3,000 Lb./LF Live Load (03 41 26 00-0016)		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	231.44	
For 3,500 PSI Concrete, Add	6.32	
For 4,000 PSI Concrete, Add	9.49	
For 4,500 PSI Concrete, Add	12.64	
For 5,000 PSI Concrete, Add	18.98	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	277.73	
For 3,500 PSI Concrete, Add	7.58	
For 4,000 PSI Concrete, Add	11.39	
For 4,500 PSI Concrete, Add	15.16	
For 5,000 PSI Concrete, Add	22.77	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	370.30	
For 3,500 PSI Concrete, Add	10.11	
For 4,000 PSI Concrete, Add	15.18	
For 4,500 PSI Concrete, Add	20.22	
For 5,000 PSI Concrete, Add	30.36	
03 41 26 00-0025 5,000 Lb./LF Live Load (03 41 26 00-0016)		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0026 LF Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	324.01 8.85 13.28 17.69 26.57	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	370.30 10.11 15.18 20.22 30.36	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	462.87 12.64 18.98 25.27 37.96	
03 41 26 00-0029 Precast Concrete Columns (03 41 26)		
03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0029) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	301.05	240.81
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	320.08	256.02
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	343.03	274.45
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	367.95	294.36
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	396.78	317.36
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	430.51	344.41
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	470.50	376.42
03 41 26 00-0038 Material Cost (03 41 26 00-0029) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039 12" x 12" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	958.30 71.87 135.12 199.33 271.20	
03 41 26 00-0041 16" x 16" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0042 CY 16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	981.97 73.65 138.46 204.25 277.90	
03 41 26 00-0043 20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044 CY 20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	983.86 73.79 138.72 204.64 278.43	
03 41 26 00-0045 24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046 CY 24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	983.86 73.79 138.72 204.64 278.43	
03 41 26 00-0047 28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048 CY 28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	983.86 73.79 138.72 204.64 278.43	
03 41 26 00-0049 32" x 32" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0050 CY 32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	981.97 73.65 138.46 204.25 277.90	
03 41 26 00-0051 36" x 36" Column, Square, Tied (03 41 26 00-0038)		



	Concrete	03	CS
	Precast Concrete	03 40	
	Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0052 CY 36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY..... For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	983.86 73.79 138.72 204.64 278.43	
03 41 33 Precast Structural Pretensioned Concrete (03 41)		
03 41 33 00-0001 Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	19.48	2.47
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	24.29	2.47
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	29.13	2.59
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	33.96	2.72
03 41 33 00-0006 Tee Members (03 41 33)		
03 41 33 00-0007 Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members	43.85	3.21
03 41 33 00-0009 Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	61.89	8.76
03 41 33 00-0011 Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	51.49	5.30
03 41 33 00-0013 Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	61.85	4.57
03 41 33 00-0015 Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016 Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	31.80	0.99
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor	33.19	0.99
03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span	52.90	0.86
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span	72.87	0.86
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span	36.07	1.48
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span	55.93	0.99
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	39.06	1.97
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	62.56	2.22
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	72.52	1.36
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	95.96	1.23
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	101.05	1.23
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	16,184.30	355.45
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	17,622.44	394.95
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	29,489.04	444.32
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,329.63	323.24
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	8,314.33	355.45
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	10,629.03	355.45
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	11,835.70	394.95
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	15,137.92	444.32
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	27,253.99	508.00
03 41 33 00-0040 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0041 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	33.61	
03 41 33 00-0042 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	34.98	
03 41 33 00-0043 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	36.61	
03 41 33 00-0044 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	37.80	
03 41 33 00-0045 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	40.38	
03 41 33 00-0046 Double And Single Tees (03 41 33)		
03 41 33 00-0047 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0046)		
03 41 33 00-0048 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	40.60	

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0049 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	39.64	
03 41 33 00-0050 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.44	
03 41 33 00-0051 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	40.60	
03 41 33 00-0052 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.48	
03 41 33 00-0053 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	62.27	
03 41 33 00-0054 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	60.89	
03 41 33 00-0055 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	57.02	
03 41 33 00-0056 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	62.27	
03 41 33 00-0057 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	58.39	
03 41 33 00-0058 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0046)		
03 41 33 00-0059 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	41.85	
03 41 33 00-0060 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	40.89	
03 41 33 00-0061 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	39.52	
03 41 33 00-0062 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	41.85	
03 41 33 00-0063 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.48	
03 41 33 00-0064 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	63.93	
03 41 33 00-0065 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	62.56	
03 41 33 00-0066 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	60.36	
03 41 33 00-0067 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	63.93	
03 41 33 00-0068 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	62.15	
03 41 33 00-0069 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0046)		
03 41 33 00-0070 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	44.10	
03 41 33 00-0071 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	42.72	
03 41 33 00-0072 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	41.33	
03 41 33 00-0073 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	67.85	
03 41 33 00-0074 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	65.64	
03 41 33 00-0075 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	63.00	
03 48 Precast Concrete Specialties (03 40)		
03 48 16 Precast Concrete Splash Blocks (03 48)		
03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)		
03 48 16 00-0002 EA Precast Concrete Splash Blocks, 20" x 12" x 3"	42.90	4.19
03 48 21 Precast Concrete Handrails (03 48)		
03 48 21 00-0001 Installation Cost (03 48 21)		
Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail	169.48	76.30
03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail	203.26	91.44
03 48 21 00-0004 Material Cost (03 48 21)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,657.34	
For 3,500 PSI Concrete, Add	238.64	
For 4,000 PSI Concrete, Add	448.39	
For 4,500 PSI Concrete, Add	659.05	
For 5,000 PSI Concrete, Add	896.60	
03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,796.23	
For 3,500 PSI Concrete, Add	247.70	
For 4,000 PSI Concrete, Add	465.42	
For 4,500 PSI Concrete, Add	684.08	
For 5,000 PSI Concrete, Add	930.65	
03 48 21 00-0007 CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,935.12	
For 3,500 PSI Concrete, Add	256.77	
For 4,000 PSI Concrete, Add	482.45	
For 4,500 PSI Concrete, Add	709.11	
For 5,000 PSI Concrete, Add	964.69	
03 48 21 00-0008 CY 8" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,120.30	
For 3,500 PSI Concrete, Add	268.85	
For 4,000 PSI Concrete, Add	505.15	
For 4,500 PSI Concrete, Add	742.48	
For 5,000 PSI Concrete, Add	1,010.09	
03 48 22 Precast Concrete Sun Screen and Trellis (03 48)		
03 48 22 00-0001 Sun Screen Blades (03 48 22)		
03 48 22 00-0002 Installation Cost (03 48 22 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003 EA Install Precast Sun Screen Blade, 0-1 Ton/Each	84.75	38.15
03 48 22 00-0004 EA Install Precast Sun Screen Blade, 1-2 Ton/Each	101.81	45.78
03 48 22 00-0005 EA Install Precast Sun Screen Blade, 2-3 Ton/Each	127.21	57.29



		Concrete	03	CS
		Precast Concrete	03 40	
		Precast Concrete Specialties	03 48	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 48 22 00-0006 Material Cost (03 48 22 00-0001)				
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.				
03 48 22 00-0007	CY 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,888.82		
	For 3,500 PSI Concrete, Add	253.75		
	For 4,000 PSI Concrete, Add	476.77		
	For 4,500 PSI Concrete, Add	700.77		
	For 5,000 PSI Concrete, Add	953.34		
03 48 22 00-0008	CY 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,027.71		
	For 3,500 PSI Concrete, Add	262.81		
	For 4,000 PSI Concrete, Add	493.80		
	For 4,500 PSI Concrete, Add	725.79		
	For 5,000 PSI Concrete, Add	987.39		
03 48 22 00-0009	CY 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,212.89		
	For 3,500 PSI Concrete, Add	274.89		
	For 4,000 PSI Concrete, Add	516.50		
	For 4,500 PSI Concrete, Add	759.16		
	For 5,000 PSI Concrete, Add	1,032.79		
03 48 22 00-0010	CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,398.07		
	For 3,500 PSI Concrete, Add	286.97		
	For 4,000 PSI Concrete, Add	539.20		
	For 4,500 PSI Concrete, Add	792.53		
	For 5,000 PSI Concrete, Add	1,078.19		
03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)				
03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)				
Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.				
03 48 22 00-0013	EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	391.69		176.24
03 48 22 00-0014	EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	438.13		197.22
03 48 22 00-0015	EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	497.06		223.65
03 48 22 00-0016	EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	531.24		239.06
03 48 22 00-0017 Material Cost (03 48 22 00-0011)				
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.				
03 48 22 00-0018	CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,490.66		
	For 3,500 PSI Concrete, Add	293.02		
	For 4,000 PSI Concrete, Add	550.55		
	For 4,500 PSI Concrete, Add	809.22		
	For 5,000 PSI Concrete, Add	1,100.89		
03 48 22 00-0019	CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,629.55		
	For 3,500 PSI Concrete, Add	302.08		
	For 4,000 PSI Concrete, Add	567.58		
	For 4,500 PSI Concrete, Add	834.24		
	For 5,000 PSI Concrete, Add	1,134.93		
03 48 22 00-0020	CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,814.73		
	For 3,500 PSI Concrete, Add	314.16		
	For 4,000 PSI Concrete, Add	590.29		
	For 4,500 PSI Concrete, Add	867.61		
	For 5,000 PSI Concrete, Add	1,180.33		
03 48 22 00-0021	CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades	5,046.21		
	For 3,500 PSI Concrete, Add	329.27		
	For 4,000 PSI Concrete, Add	618.67		
	For 4,500 PSI Concrete, Add	909.33		
	For 5,000 PSI Concrete, Add	1,237.08		
03 48 24 Precast Minaret Segments (03 48)				
03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)				
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.				
03 48 24 00-0002 L - Shaped Segments (03 48 24 00-0001)				
03 48 24 00-0003	EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	381.16		304.93
03 48 24 00-0004	EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	427.12		341.73
03 48 24 00-0005	EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	482.95		386.35
03 48 24 00-0006	EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	515.15		412.11
03 48 24 00-0007 O - Shaped Segments (03 48 24 00-0001)				
03 48 24 00-0008	EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	402.83		322.33
03 48 24 00-0009	EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	452.11		361.64
03 48 24 00-0010	EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	512.04		409.58
03 48 24 00-0011	EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	548.38		438.67
03 48 24 00-0012 Platform Segment (03 48 24 00-0001)				
03 48 24 00-0013	EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	772.71		618.23
03 48 24 00-0014	EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	934.05		747.19
03 48 24 00-0015	EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,036.57		829.27
03 48 24 00-0016	EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,164.37		931.53

03 Concrete**03 40 Precast Concrete****03 48 Precast Concrete Specialties**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0017		Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	422.88	338.27
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	472.22	377.71
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	537.97	430.30
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	574.32	459.39
03 48 24 00-0022		Installation Costs Using A 90 Ton Crawler Crane (03 48 24) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023		L - Shaped Segments (03 48 24 00-0022)		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	386.11	308.89
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	432.67	346.16
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	489.22	391.36
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	521.83	417.46
03 48 24 00-0028		O - Shaped Segment (03 48 24 00-0022)		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	408.06	326.51
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	457.98	366.33
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	518.69	414.90
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	555.49	444.37
03 48 24 00-0033		Platform Segment (03 48 24 00-0022)		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	623.93	499.12
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	755.28	604.19
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	835.94	668.76
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	946.17	756.89
03 48 24 00-0038		Cap Segment (03 48 24 00-0022)		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	428.37	342.66
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	478.35	382.61
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	544.95	435.89
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	581.77	465.35
03 48 24 00-0043		Material Costs (03 48 24) Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete	11,110.30	
		Note: Including Post Tension Cost		
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete	11,110.30	
		Note: Including Post Tension Cost		
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete	11,110.30	
		Note: Including Post Tension Cost		
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete	11,110.30	
		Note: Including Post Tension Cost		
03 48 29		Precast Accessories (03 48) Note: Includes installation labor, material and equipment.		
03 48 29 00-0001		Bearing Pads For Precast Members (03 48 29)		
03 48 29 00-0002		Continuous 2" Wide Strips (03 48 29 00-0001)		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.48	
		Note: For precast members		
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	2.11	
		Note: For precast members		
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	3.49	
		Note: For precast members		
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	4.91	
		Note: For precast members		
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips	6.38	
		Note: For precast members		
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	9.16	
		Note: For precast members		
03 48 29 00-0009		Bearing Pad Pipe Supports (03 48 29)		
03 48 29 00-0010	LF	4" x 4" Precast Pipe Support	13.97	
03 48 46		Precast Skylight Shells (03 48)		
03 48 46 00-0001		Installation Cost Using A 90 Ton Crawler Crane (03 48 46) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	557.07	250.71



Concrete	03	03
Precast Concrete	03 40	
Precast Concrete Specialties	03 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	618.56	278.37
03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	695.33	312.90
03 48 46 00-0005 Material Cost (03 48 46) Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,648.20	
03 48 49 Precast Landings (03 48)		
03 48 49 00-0001 SF 3" Thick Precast Landing	114.38	
03 48 49 00-0002 SF 4" Thick Precast Landing	133.46	
03 48 49 00-0003 SF 5" Thick Precast Landing	151.50	
03 48 49 00-0004 SF 6" Thick Precast Landing	174.62	
03 48 54 Precast Concrete Blocks (03 48)		
03 48 54 00-0001 Precast Interlocking Concrete Blocks (03 48 54) Note: Includes lifting loop		
03 48 54 00-0002 EA 2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	162.50	45.58
03 48 54 00-0003 EA 2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	193.49	51.28
03 48 54 00-0004 EA 2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	224.49	56.98
03 48 54 00-0005 EA 2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	303.23	62.68
03 48 54 00-0006 EA 2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	364.89	68.37
03 50 Cast Decks and Underlayment (03)		
03 53 Concrete Topping (03 50) Note: Installed over new or existing concrete.		
03 53 14 Granolithic Concrete Topping (03 53)		
03 53 14 00-0001 Granolithic Topping Laid After (03 53 14) Note: Using 1:1:1-1/2 mix.		
03 53 14 00-0002 SF 1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.78	
03 53 14 00-0003 SF 1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.15	
03 53 14 00-0004 SF 2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.47	
03 53 19 Concrete Overlayment (03 53)		
03 53 19 00-0001 Integral Topping Including Hard Trowel Finish (03 53 19) Note: Using 1:1:2 mix.		
03 53 19 00-0002 SF 3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.84	
03 53 19 00-0003 SF 1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.18	
03 53 19 00-0004 SF 3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.71	
03 53 19 00-0005 SF 1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.40	
03 53 19 00-0006 SF 2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	6.23	
03 53 19 00-0007 SF 2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.31	
03 53 19 00-0008 SF 3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.95	
03 54 Cast Underlayment (03 50) Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).		
03 54 16 Hydraulic Cement Underlayment (03 54)		
03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16) Note: Includes primer.		
03 54 16 00-0002 SF 1/8" Thick Self Leveling Cementitious Underlayment For Floors	2.08	
Note: Including Surface Preparation		
For Up To 100 SF, Add	0.16	
For >100 To 250 SF, Add	0.08	
03 54 16 00-0003 SF 1/4" Thick Self Leveling Cementitious Underlayment For Floors	3.62	
Note: Including Surface Preparation		
For Up To 100 SF, Add	0.16	
For >100 To 250 SF, Add	0.08	
03 54 16 00-0004 SF 3/8" Thick Self Leveling Cementitious Underlayment For Floors	5.16	
Note: Including Surface Preparation		
For Up To 100 SF, Add	0.16	
For >100 To 250 SF, Add	0.08	
03 54 16 00-0005 SF 1/2" Thick Self Leveling Cementitious Underlayment For Floors	6.69	
Note: Including Surface Preparation		
For Up To 100 SF, Add	0.16	
For >100 To 250 SF, Add	0.08	
03 54 16 00-0006 SF 5/8" Thick Self Leveling Cementitious Underlayment For Floors	8.23	
Note: Including Surface Preparation		
For Up To 100 SF, Add	0.16	
For >100 To 250 SF, Add	0.08	

03 Concrete**03 50 Cast Decks and Underlayment****03 54 Cast Underlayment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	9.81	
		For Up To 100 SF, Add	0.19	
		For >100 To 250 SF, Add	0.09	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	12.89	
		For Up To 100 SF, Add	0.19	
		For >100 To 250 SF, Add	0.09	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	16.01	
		For Up To 100 SF, Add	0.21	
		For >100 To 250 SF, Add	0.11	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	19.08	
		For Up To 100 SF, Add	0.21	
		For >100 To 250 SF, Add	0.11	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	22.25	
		For Up To 100 SF, Add	0.26	
		For >100 To 250 SF, Add	0.13	

03 60 Grouting ⁽⁰³⁾**03 61 Cementitious Grouting** ^(03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout ^(03 61)

03 61 16 00-0001		Cementitious Flowable Grout ^(03 61 16)		
03 61 16 00-0002	CY	Cementitious Flowable Grout.....	500.57	

03 62 Non-Shrink Grouting ^(03 60)**03 62 13 Non-Metallic Non-Shrink Grouting** ^(03 62)

03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases ^(03 62 13)		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	29.94	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	44.52	
03 62 13 00-0004		Non-Metallic Non-Shrink Grouting For Bases ^(03 62 13)		
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	44.44	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	70.91	
03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints ^(03 62 13)		
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints ^(03 62 13 00-0007)		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.29	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.99	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.95	
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints ^(03 62 13 00-0007)		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.36	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.47	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.94	

03 62 16 Metallic Non-Shrink Grouting ^(03 62)

03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases ^(03 62 16)		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	37.86	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	58.17	
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints ^(03 62 16)		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints ^(03 62 16 00-0004)		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.87	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.37	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.15	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints ^(03 62 16 00-0004)		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.56	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.23	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.31	



Concrete	03	03
Grouting	03 60	
Epoxy Grouting	03 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 63 Epoxy Grouting (03 60)

03 63 00 00-0001 Spray On Concrete Epoxy Grout (03 63)

Note: (Sika 224) per thickness per coat.

03 63 00 00-0002	SF 1/4" Thick Coat Spray On Concrete Epoxy Grout.....	4.33
	For Color, Add	1.14
03 63 00 00-0003	SF 3/8" Thick Coat Spray On Concrete Epoxy Grout.....	5.98
	For Color, Add	1.70
03 63 00 00-0004	SF 1/2" Thick Coat Spray On Concrete Epoxy Grout.....	7.67
	For Color, Add	2.27
03 63 00 00-0005	SF 5/8" Thick Coat Spray On Concrete Epoxy Grout.....	9.19
	For Color, Add	2.84
03 63 00 00-0006	SF 3/4" Thick Coat Spray On Concrete Epoxy Grout.....	10.73
	For Color, Add	3.41
03 63 00 00-0007	SF 1" Thick Coat Spray On Concrete Epoxy Grout.....	13.90
	For Color, Add	4.55

03 64 Injection Grouting (03 60)

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting (03 64)

03 64 23 00-0001 Pressure Injected Epoxy Grout (03 64 23)

03 64 23 00-0002	CF Pressure Injected Epoxy Grout.....	1,377.38
	For >4, Deduct	-145.67

03 64 26 Cementitious Injection Grouting (03 64)

03 64 26 00-0001 Pressure Injected Cementitious Grout (03 64 26)

03 64 26 00-0002	CF Pressure Injected Cementitious Grout.....	241.31
	For >4, Deduct	-62.50

03 80 Concrete Cutting and Boring (03)

03 81 Concrete Cutting (03 80)

03 81 13 Flat Concrete Sawing (03 81)

See CSI section 02 41 19 13-0057 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing (03 81)

See CSI section 02 41 19 13-0057 for saw cutting.

03 82 Concrete Boring (03 80)

03 82 13 Concrete Core Drilling (03 82)

See CSI section 02 41 19 13-0080 for core drilling.

END OF SECTION 03

03	03	Concrete
	03 80	Concrete Cutting and Boring
	03 82	Concrete Boring



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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	Metals	05	
	Maintenance of Metals	05 01	05
	Maintenance of Metal Fabrications	05 01 50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 01 Maintenance of Metals ⁽⁰⁵⁾

05 01 50 Maintenance of Metal Fabrications ^(05 01)

05 01 50 51 Cleaning of Metal Fabrications ^(05 01 50)

See CSI section 09 01 90 52-0012 for cleaning of metal surfaces.

05 01 50 61 Repair of Metal Fabrications ^(05 01 50)

See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-0008 for torch cutting.

05 01 50 63 Refinishing of Metal Fabrications ^(05 01 50)

See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 01 70 Maintenance of Decorative Metal ^(05 01)

05 01 70 51 Cleaning of Decorative Metal ^(05 01 70)

See CSI section 09 01 90 52-0012 for cleaning of metal surfaces.

05 01 70 61 Repair of Decorative Metal ^(05 01 70)

See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-0008 for torch cutting.

05 01 70 63 Refinishing of Decorative Metal ^(05 01 70)

See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 05 Common Work Results for Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors ^(05 05 19)

05 05 19 00-0002 Expansion Anchors ^(05 05 19 00-0001)

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors ^(05 05 19 00-0002)

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt ^(05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.29
	For >10 To 50, Deduct	-0.68
	For >50 To 100, Deduct	-1.37
	For >100, Deduct	-2.75
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.41
	For >10 To 50, Deduct	-0.68
	For >50 To 100, Deduct	-1.38
	For >100, Deduct	-2.75
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.86
	For >10 To 50, Deduct	-0.70
	For >50 To 100, Deduct	-1.42
	For >100, Deduct	-2.83
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.53
	For >10 To 50, Deduct	-0.82
	For >50 To 100, Deduct	-1.67
	For >100, Deduct	-3.35
05 05 19 00-0009	EA 3/8" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.62
	For >10 To 50, Deduct	-0.82
	For >50 To 100, Deduct	-1.68
	For >100, Deduct	-3.35
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.65
	For >10 To 50, Deduct	-0.82
	For >50 To 100, Deduct	-1.68
	For >100, Deduct	-3.35
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.99
	For >10 To 50, Deduct	-0.82
	For >50 To 100, Deduct	-1.69
	For >100, Deduct	-3.37
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.34
	For >10 To 50, Deduct	-1.17
	For >50 To 100, Deduct	-2.39
	For >100, Deduct	-4.78
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.41
	For >10 To 50, Deduct	-1.17
	For >50 To 100, Deduct	-2.39
	For >100, Deduct	-4.79
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.55
	For >10 To 50, Deduct	-1.17
	For >50 To 100, Deduct	-2.40
	For >100, Deduct	-4.79
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.93
	For >10 To 50, Deduct	-1.17
	For >50 To 100, Deduct	-2.41
	For >100, Deduct	-4.81

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0016 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.44	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-2.42	
For >100, Deduct	-4.84	
05 05 19 00-0017 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.76	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-2.99	
For >100, Deduct	-5.98	
05 05 19 00-0018 EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.87	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-2.99	
For >100, Deduct	-5.98	
05 05 19 00-0019 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.11	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.00	
For >100, Deduct	-6.00	
05 05 19 00-0020 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.57	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.01	
For >100, Deduct	-6.02	
05 05 19 00-0021 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	34.03	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.02	
For >100, Deduct	-6.04	
05 05 19 00-0022 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.68	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.11	
For >100, Deduct	-6.22	
05 05 19 00-0023 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	40.80	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.19	
For >100, Deduct	-6.38	
05 05 19 00-0024 EA 3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.49	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.57	
For >100, Deduct	-7.14	
05 05 19 00-0025 EA 3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.59	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.57	
For >100, Deduct	-7.14	
05 05 19 00-0026 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.14	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.59	
For >100, Deduct	-7.17	
05 05 19 00-0027 EA 3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.81	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.60	
For >100, Deduct	-7.21	
05 05 19 00-0028 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	41.58	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.62	
For >100, Deduct	-7.24	
05 05 19 00-0029 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	44.50	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.69	
For >100, Deduct	-7.39	
05 05 19 00-0030 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.39	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.79	
For >100, Deduct	-7.58	
05 05 19 00-0031 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	52.77	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.90	
For >100, Deduct	-7.80	
05 05 19 00-0032 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.82	
For >10 To 50, Deduct	-1.87	
For >50 To 100, Deduct	-4.10	
For >100, Deduct	-8.20	
05 05 19 00-0033 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	54.12	
For >10 To 50, Deduct	-1.87	
For >50 To 100, Deduct	-4.16	
For >100, Deduct	-8.31	
05 05 19 00-0034 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	57.18	
For >10 To 50, Deduct	-1.87	
For >50 To 100, Deduct	-4.23	
For >100, Deduct	-8.46	
05 05 19 00-0035 EA 1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	64.43	
For >10 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-5.24	
For >100, Deduct	-10.47	
05 05 19 00-0036 EA 1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	68.77	
For >10 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-5.35	
For >100, Deduct	-10.69	



		Metals	05
		Common Work Results for Metals	05 05
		Post-Installed Concrete Anchors	05 05 19

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	73.08	
			For >10 To 50, Deduct	-2.42	
			For >50 To 100, Deduct	-5.45	
			For >100, Deduct	-10.91	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	83.79	
			For >10 To 50, Deduct	-3.10	
			For >50 To 100, Deduct	-6.74	
			For >100, Deduct	-13.47	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	86.89	
			For >10 To 50, Deduct	-3.10	
			For >50 To 100, Deduct	-6.81	
			For >100, Deduct	-13.63	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003) Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.42	
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.40	
			For >100, Deduct	-2.80	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.85	
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.41	
			For >100, Deduct	-2.83	
05 05 19 00-0043	EA		1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.49	
			For >10 To 50, Deduct	-0.70	
			For >50 To 100, Deduct	-1.46	
			For >100, Deduct	-2.91	
05 05 19 00-0044	EA		3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.62	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.73	
			For >100, Deduct	-3.45	
05 05 19 00-0045	EA		3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.99	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.74	
			For >100, Deduct	-3.47	
05 05 19 00-0046	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.26	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.74	
			For >100, Deduct	-3.49	
05 05 19 00-0047	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.29	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.79	
			For >100, Deduct	-3.59	
05 05 19 00-0048	EA		1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.02	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.51	
			For >100, Deduct	-5.02	
05 05 19 00-0049	EA		1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.72	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.53	
			For >100, Deduct	-5.05	
05 05 19 00-0050	EA		1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.12	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.54	
			For >100, Deduct	-5.07	
05 05 19 00-0051	EA		1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.98	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.58	
			For >100, Deduct	-5.17	
05 05 19 00-0052	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.76	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.65	
			For >100, Deduct	-5.30	
05 05 19 00-0053	EA		5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	42.26	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.23	
			For >100, Deduct	-6.45	
05 05 19 00-0054	EA		5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.07	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.27	
			For >100, Deduct	-6.54	
05 05 19 00-0055	EA		5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	46.03	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.32	
			For >100, Deduct	-6.64	
05 05 19 00-0056	EA		5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	48.63	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.39	
			For >100, Deduct	-6.77	
05 05 19 00-0057	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	60.05	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.67	
			For >100, Deduct	-7.34	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.44	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.84	
For >100, Deduct	-7.69	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	54.11	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.94	
For >100, Deduct	-7.87	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.25	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-4.01	
For >100, Deduct	-8.03	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.64	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-4.02	
For >100, Deduct	-8.05	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	60.59	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-4.10	
For >100, Deduct	-8.19	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	68.24	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-4.29	
For >100, Deduct	-8.58	
05 05 19 00-0064 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	79.03	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-4.56	
For >100, Deduct	-9.12	
05 05 19 00-0065 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	79.96	
For >10 To 50, Deduct	-1.87	
For >50 To 100, Deduct	-4.80	
For >100, Deduct	-9.60	
05 05 19 00-0066 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	115.16	
For >10 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-6.51	
For >100, Deduct	-13.01	
05 05 19 00-0067 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	131.12	
For >10 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-6.90	
For >100, Deduct	-13.81	
05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)		
Note: Includes nut and washer.		
05 05 19 00-0069 EA 1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.79	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.82	
05 05 19 00-0070 EA 1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.66	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.46	
For >100, Deduct	-2.92	
05 05 19 00-0071 EA 3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.83	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.51	
05 05 19 00-0072 EA 3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.47	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.77	
For >100, Deduct	-3.55	
05 05 19 00-0073 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.64	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.78	
For >100, Deduct	-3.55	
05 05 19 00-0074 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.70	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.85	
For >100, Deduct	-3.71	
05 05 19 00-0075 EA 1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.95	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-2.58	
For >100, Deduct	-5.16	
05 05 19 00-0076 EA 1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.72	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-2.63	
For >100, Deduct	-5.25	
05 05 19 00-0077 EA 1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.95	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-2.71	
For >100, Deduct	-5.41	
05 05 19 00-0078 EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.76	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-2.73	
For >100, Deduct	-5.45	



		Metals	05
		Common Work Results for Metals	05 05
		Post-Installed Concrete Anchors	05 05 19

05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	52.16	
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.47	
		For >100, Deduct	-6.95	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	53.13	
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.50	
		For >100, Deduct	-7.00	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	64.28	
		For >10 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-4.19	
		For >100, Deduct	-8.38	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	68.31	
		For >10 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-4.29	
		For >100, Deduct	-8.58	
05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)				
Note: Includes nut and washer.				
05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.34	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.47	
		For >100, Deduct	-4.93	
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	29.64	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.50	
		For >100, Deduct	-5.00	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.93	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.53	
		For >100, Deduct	-5.06	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.58	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.55	
		For >100, Deduct	-5.10	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	38.23	
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.13	
		For >100, Deduct	-6.25	
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	36.68	
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.09	
		For >100, Deduct	-6.17	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	48.91	
		For >10 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-3.81	
		For >100, Deduct	-7.61	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	50.33	
		For >10 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-3.84	
		For >100, Deduct	-7.68	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	57.32	
		For >10 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-4.02	
		For >100, Deduct	-8.03	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	63.24	
		For >10 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-5.21	
		For >100, Deduct	-10.41	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	67.27	
		For >10 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-5.31	
		For >100, Deduct	-10.62	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	71.25	
		For >10 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-5.41	
		For >100, Deduct	-10.82	
05 05 19 00-0096 Concrete Sleeve Anchors (05 05 19 00-0002)				
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors (05 05 19 00-0096)				
Note: Includes nut and washer.				
05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.39	
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.40	
		For >100, Deduct	-2.80	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.56	
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.40	
		For >100, Deduct	-2.81	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.76	
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.41	
		For >100, Deduct	-2.82	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0101	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.17	
			For >10 To 50, Deduct	-0.73	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.94	
05 05 19 00-0102	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.32	
			For >10 To 50, Deduct	-0.73	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.95	
05 05 19 00-0103	EA		3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.18	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.66	
			For >100, Deduct	-3.33	
05 05 19 00-0104	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.46	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.34	
05 05 19 00-0105	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.73	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.68	
			For >100, Deduct	-3.36	
05 05 19 00-0106	EA		1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.71	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.37	
			For >100, Deduct	-4.75	
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.06	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.38	
			For >100, Deduct	-4.76	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.37	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.39	
			For >100, Deduct	-4.78	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.73	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.40	
			For >100, Deduct	-4.80	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	30.93	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-2.94	
			For >100, Deduct	-5.88	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.46	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-2.96	
			For >100, Deduct	-5.91	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.87	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-2.97	
			For >100, Deduct	-5.93	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	33.01	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-2.99	
			For >100, Deduct	-5.99	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	37.77	
			For >10 To 50, Deduct	-1.72	
			For >50 To 100, Deduct	-3.53	
			For >100, Deduct	-7.05	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.76	
			For >10 To 50, Deduct	-1.72	
			For >50 To 100, Deduct	-3.55	
			For >100, Deduct	-7.10	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.66	
			For >10 To 50, Deduct	-1.72	
			For >50 To 100, Deduct	-3.57	
			For >100, Deduct	-7.15	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	41.08	
			For >10 To 50, Deduct	-1.72	
			For >50 To 100, Deduct	-3.61	
			For >100, Deduct	-7.22	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	16.17	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.44	
			For >100, Deduct	-2.89	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	20.80	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.76	
			For >100, Deduct	-3.51	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	22.52	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.80	
			For >100, Deduct	-3.60	



		Metals	05
		Common Work Results for Metals	05 05
		Post-Installed Concrete Anchors	05 05 19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	30.76	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.52	
		For >100, Deduct	-5.05	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	33.86	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.60	
		For >100, Deduct	-5.20	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	45.73	
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.31	
		For >100, Deduct	-6.62	
05 05 19 00-0125 Concrete Strike Anchors (05 05 19 00-0002)				
Note: Includes nut and washer.				
05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	15.20	
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.42	
		For >100, Deduct	-2.84	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor.....	15.48	
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.43	
		For >100, Deduct	-2.85	
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	16.17	
		For >10 To 50, Deduct	-0.73	
		For >50 To 100, Deduct	-1.50	
		For >100, Deduct	-2.99	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.33	
		For >10 To 50, Deduct	-0.73	
		For >50 To 100, Deduct	-1.52	
		For >100, Deduct	-3.05	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor.....	18.44	
		For >10 To 50, Deduct	-0.82	
		For >50 To 100, Deduct	-1.70	
		For >100, Deduct	-3.39	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	19.31	
		For >10 To 50, Deduct	-0.82	
		For >50 To 100, Deduct	-1.72	
		For >100, Deduct	-3.44	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	19.98	
		For >10 To 50, Deduct	-0.82	
		For >50 To 100, Deduct	-1.73	
		For >100, Deduct	-3.47	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	26.86	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.43	
		For >100, Deduct	-4.85	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	27.38	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.44	
		For >100, Deduct	-4.88	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	28.90	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.48	
		For >100, Deduct	-4.96	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	30.87	
		For >10 To 50, Deduct	-1.17	
		For >50 To 100, Deduct	-2.53	
		For >100, Deduct	-5.06	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	35.50	
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.06	
		For >100, Deduct	-6.11	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	37.32	
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.10	
		For >100, Deduct	-6.20	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	38.92	
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.14	
		For >100, Deduct	-6.28	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	45.36	
		For >10 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-3.72	
		For >100, Deduct	-7.43	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	47.06	
		For >10 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-3.76	
		For >100, Deduct	-7.52	

05 05 19 00-0142 Multi-Set Drop-In Anchors (05 05 19 00-0002)

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)

Note: Excludes bolt, nut and washer.

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	20.00	
For >10 To 50, Deduct	-0.96	
For >50 To 100, Deduct	-1.95	
For >100, Deduct	-3.89	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	24.46	
For >10 To 50, Deduct	-1.18	
For >50 To 100, Deduct	-2.37	
For >100, Deduct	-4.75	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	29.75	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-2.82	
For >100, Deduct	-5.65	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	33.64	
For >10 To 50, Deduct	-1.52	
For >50 To 100, Deduct	-3.12	
For >100, Deduct	-6.25	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	40.13	
For >10 To 50, Deduct	-1.73	
For >50 To 100, Deduct	-3.60	
For >100, Deduct	-7.20	
05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0150 EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	23.63	
For >10 To 50, Deduct	-0.96	
For >50 To 100, Deduct	-2.04	
For >100, Deduct	-4.07	
05 05 19 00-0151 EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	31.30	
For >10 To 50, Deduct	-1.18	
For >50 To 100, Deduct	-2.55	
For >100, Deduct	-5.09	
05 05 19 00-0152 EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	38.78	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-3.05	
For >100, Deduct	-6.10	
05 05 19 00-0153 EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	48.18	
For >10 To 50, Deduct	-1.52	
For >50 To 100, Deduct	-3.49	
For >100, Deduct	-6.98	
05 05 19 00-0154 EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	65.13	
For >10 To 50, Deduct	-1.73	
For >50 To 100, Deduct	-4.23	
For >100, Deduct	-8.45	
05 05 19 00-0155 Single Bolt Expansion Anchors (05 05 19 00-0002)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0156 EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.64	
For >10 To 50, Deduct	-0.69	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.81	
05 05 19 00-0157 EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	15.63	
For >10 To 50, Deduct	-0.73	
For >50 To 100, Deduct	-1.48	
For >100, Deduct	-2.96	
05 05 19 00-0158 EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	17.67	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.68	
For >100, Deduct	-3.35	
05 05 19 00-0159 EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	25.73	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-2.40	
For >100, Deduct	-4.80	
05 05 19 00-0160 EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	35.28	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.05	
For >100, Deduct	-6.10	
05 05 19 00-0161 EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	42.51	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.64	
For >100, Deduct	-7.29	
05 05 19 00-0162 Concrete Lag Shield Anchors (05 05 19 00-0002)		
Note: Excludes lag bolt and washer.		
05 05 19 00-0163 EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	14.72	
For >10 To 50, Deduct	-0.69	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.81	
05 05 19 00-0164 EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	17.52	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.67	
For >100, Deduct	-3.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0165	EA		3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	18.22	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.69	
			For >100, Deduct	-3.38	
05 05 19 00-0166	EA		1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	25.70	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.40	
			For >100, Deduct	-4.80	
05 05 19 00-0167	EA		5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	34.19	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.02	
			For >100, Deduct	-6.05	
05 05 19 00-0168	EA		3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	38.58	
			For >10 To 50, Deduct	-1.72	
			For >50 To 100, Deduct	-3.55	
			For >100, Deduct	-7.09	
05 05 19 00-0169			Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170			Chemically Adhered Anchor Rods (05 05 19 00-0169)		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		
05 05 19 00-0171	EA		1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	18.46	
			For >10 To 50, Deduct	-0.76	
			For >50 To 100, Deduct	-1.60	
			For >100, Deduct	-3.21	
05 05 19 00-0172	EA		5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	21.31	
			For >10 To 50, Deduct	-0.83	
			For >50 To 100, Deduct	-1.78	
			For >100, Deduct	-3.56	
05 05 19 00-0173	EA		3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	26.47	
			For >10 To 50, Deduct	-1.04	
			For >50 To 100, Deduct	-2.22	
			For >100, Deduct	-4.44	
05 05 19 00-0174	EA		1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	30.92	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.53	
			For >100, Deduct	-5.06	
05 05 19 00-0175	EA		1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	32.64	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.57	
			For >100, Deduct	-5.14	
05 05 19 00-0176	EA		5/8" x 7" Long Chemically Adhered Anchor Rod.....	40.38	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.18	
			For >100, Deduct	-6.36	
05 05 19 00-0177	EA		3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	52.17	
			For >10 To 50, Deduct	-1.72	
			For >50 To 100, Deduct	-3.89	
			For >100, Deduct	-7.77	
05 05 19 00-0178	EA		7/8" x 10" Long Chemically Adhered Anchor Rod.....	61.52	
			For >10 To 50, Deduct	-1.86	
			For >50 To 100, Deduct	-4.33	
			For >100, Deduct	-8.67	
05 05 19 00-0179	EA		1" x 11-3/4" Long Chemically Adhered Anchor Rod	83.84	
			For >10 To 50, Deduct	-2.42	
			For >50 To 100, Deduct	-5.72	
			For >100, Deduct	-11.44	
05 05 19 00-0180	EA		1-1/4" x 14" Long Chemically Adhered Anchor Rod	119.60	
			For >10 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.56	
			For >100, Deduct	-15.12	
05 05 19 00-0181			Chemical Adhesives For Bolts, Dowels Or Threaded Rod (05 05 19 00-0169)		
			Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger than the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA		5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.12	
			For >10 To 50, Deduct	-0.83	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.35	
05 05 19 00-0183	EA		3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	20.05	
			For >10 To 50, Deduct	-0.97	
			For >50 To 100, Deduct	-1.96	
			For >100, Deduct	-3.91	
05 05 19 00-0184	EA		1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.35	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.36	
			For >100, Deduct	-4.73	
05 05 19 00-0185	EA		5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	27.35	
			For >10 To 50, Deduct	-1.25	
			For >50 To 100, Deduct	-2.56	
			For >100, Deduct	-5.13	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0186	EA		3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	34.74	
			For>10 To 50, Deduct	-1.54	
			For>50 To 100, Deduct	-3.18	
			For>100, Deduct	-6.35	
05 05 19 00-0187	EA		7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	38.28	
			For>10 To 50, Deduct	-1.65	
			For>50 To 100, Deduct	-3.43	
			For>100, Deduct	-6.86	
05 05 19 00-0188	EA		1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	47.73	
			For>10 To 50, Deduct	-1.99	
			For>50 To 100, Deduct	-4.18	
			For>100, Deduct	-8.35	
05 05 19 00-0189	EA		1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	52.89	
			For>10 To 50, Deduct	-2.15	
			For>50 To 100, Deduct	-4.55	
			For>100, Deduct	-9.11	
05 05 19 00-0190	EA		1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	61.51	
			For>10 To 50, Deduct	-2.44	
			For>50 To 100, Deduct	-5.19	
			For>100, Deduct	-10.39	
05 05 19 00-0191	EA		1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	69.13	
			For>10 To 50, Deduct	-2.66	
			For>50 To 100, Deduct	-5.72	
			For>100, Deduct	-11.44	
05 05 19 00-0192	EA		1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	79.15	
			For>10 To 50, Deduct	-2.90	
			For>50 To 100, Deduct	-6.32	
			For>100, Deduct	-12.64	
05 05 19 00-0193	EA		1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	99.88	
			For>10 To 50, Deduct	-3.40	
			For>50 To 100, Deduct	-7.60	
			For>100, Deduct	-15.20	
05 05 19 00-0194	EA		2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	145.89	
			For>10 To 50, Deduct	-4.11	
			For>50 To 100, Deduct	-9.81	
			For>100, Deduct	-19.62	
05 05 19 00-0195			Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0196	EA		Grout Concrete Anchor Bolt or Threaded Rod.....	5.28	
			For>10 To 50, Deduct	-0.26	
			For>50 To 100, Deduct	-0.52	
			For>100, Deduct	-1.03	
05 05 19 00-0197			Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0198			Tapcon Masonry Screws (05 05 19 00-0197)		
			Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0199	EA		3/16" x 1-1/4" Tapcon Masonry Screw.....	14.17	
			For>10 To 50, Deduct	-0.69	
			For>50 To 100, Deduct	-1.39	
			For>100, Deduct	-2.79	
05 05 19 00-0200	EA		3/16" x 2-1/4" Tapcon Masonry Screw.....	14.25	
			For>10 To 50, Deduct	-0.69	
			For>50 To 100, Deduct	-1.40	
			For>100, Deduct	-2.79	
05 05 19 00-0201	EA		3/16" x 3-1/4" Tapcon Masonry Screw.....	14.44	
			For>10 To 50, Deduct	-0.69	
			For>50 To 100, Deduct	-1.40	
			For>100, Deduct	-2.80	
05 05 19 00-0202	EA		1/4" x 1-1/4" Tapcon Masonry Screw.....	14.27	
			For>10 To 50, Deduct	-0.69	
			For>50 To 100, Deduct	-1.40	
			For>100, Deduct	-2.79	
05 05 19 00-0203	EA		1/4" x 2-1/4" Tapcon Masonry Screw.....	14.37	
			For>10 To 50, Deduct	-0.69	
			For>50 To 100, Deduct	-1.40	
			For>100, Deduct	-2.80	
05 05 19 00-0204	EA		1/4" x 3-1/4" Tapcon Masonry Screw.....	14.59	
			For>10 To 50, Deduct	-0.69	
			For>50 To 100, Deduct	-1.40	
			For>100, Deduct	-2.81	
05 05 19 00-0205			Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0197)		
			Note: Includes drilling. Zinc plated.		
05 05 19 00-0206	EA		3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	15.75	
			For>10 To 50, Deduct	-0.69	
			For>50 To 100, Deduct	-1.43	
			For>100, Deduct	-2.87	
05 05 19 00-0207	EA		3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	16.44	
			For>10 To 50, Deduct	-0.69	
			For>50 To 100, Deduct	-1.45	
			For>100, Deduct	-2.90	



		Metals	05
		Common Work Results for Metals	05 05
		Post-Installed Concrete Anchors	05 05 19

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0208	EA		3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	16.62	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.45	
			For >100, Deduct	-2.91	
05 05 19 00-0209	EA		3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	16.95	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.46	
			For >100, Deduct	-2.93	
05 05 19 00-0210	EA		3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	17.24	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.94	
05 05 19 00-0211	EA		1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	17.83	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.48	
			For >100, Deduct	-2.97	
05 05 19 00-0212	EA		1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	18.56	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.50	
			For >100, Deduct	-3.01	
05 05 19 00-0213	EA		1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	19.24	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.52	
			For >100, Deduct	-3.04	
05 05 19 00-0214	EA		1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	21.13	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.57	
			For >100, Deduct	-3.13	
05 05 19 00-0215	EA		5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	21.36	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.57	
			For >100, Deduct	-3.15	
05 05 19 00-0216	EA		5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	22.51	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.60	
			For >100, Deduct	-3.20	
05 05 19 00-0217	EA		5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	23.70	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.63	
			For >100, Deduct	-3.26	
05 05 19 00-0218	EA		5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	24.46	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.65	
			For >100, Deduct	-3.30	
05 05 19 00-0219	EA		3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	24.12	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.64	
			For >100, Deduct	-3.28	
05 05 19 00-0220	EA		3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	25.22	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.34	
05 05 19 00-0221	EA		3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	27.79	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.73	
			For >100, Deduct	-3.47	
05 05 19 00-0222			Pin Bolt Drives (05 05 19 00-0197)		
			Note: Includes drilling. Zinc plated.		
05 05 19 00-0223	EA		1/4" x 1" Pin Bolt Drive.....	8.80	
			For >10 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-0.84	
			For >100, Deduct	-1.69	
05 05 19 00-0224	EA		1/4" x 1-1/4" Pin Bolt Drive.....	8.80	
			For >10 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-0.84	
			For >100, Deduct	-1.69	
05 05 19 00-0225	EA		1/4" x 1-1/2" Pin Bolt Drive.....	8.86	
			For >10 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-0.84	
			For >100, Deduct	-1.69	
05 05 19 00-0226	EA		1/4" x 2" Pin Bolt Drive.....	8.88	
			For >10 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-0.85	
			For >100, Deduct	-1.69	
05 05 19 00-0227			Powder Actuated, Shot-In Place Anchors (05 05 19 00-0197)		
05 05 19 00-0228	EA		0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	2.17	
			For >10 To 50, Deduct	-0.09	
			For >50 To 100, Deduct	-0.19	
			For >100, Deduct	-0.39	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0229	EA		0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.28	
			For >10 To 50, Deduct	-0.10	
			For >50 To 100, Deduct	-0.20	
			For >100, Deduct	-0.40	
05 05 19 00-0230	EA		0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.48	
			For >10 To 50, Deduct	-0.10	
			For >50 To 100, Deduct	-0.22	
			For >100, Deduct	-0.44	
05 05 19 00-0231	EA		0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	2.74	
			For >10 To 50, Deduct	-0.11	
			For >50 To 100, Deduct	-0.24	
			For >100, Deduct	-0.47	
05 05 19 00-0232	EA		0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	2.87	
			For >10 To 50, Deduct	-0.11	
			For >50 To 100, Deduct	-0.24	
			For >100, Deduct	-0.48	
05 05 19 00-0233			Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0197)	2.53	
05 05 19 00-0234	EA		0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.53	
			For >10 To 50, Deduct	-0.10	
			For >50 To 100, Deduct	-0.21	
			For >100, Deduct	-0.42	
05 05 19 00-0235	EA		0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	3.41	
			For >10 To 50, Deduct	-0.12	
			For >50 To 100, Deduct	-0.26	
			For >100, Deduct	-0.52	
05 05 21 Fastening Methods for Metal			(05 05)		
05 05 21 00-0001			Welding (05 05 21)		
05 05 21 00-0002			Minimum Charge For Welding (05 05 21 00-0001)	518.78	
05 05 21 00-0003	EA		Minimum Charge For Welding	518.78	
			Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004			Spot Welding (05 05 21 00-0001)		
			See CSI section 05 05 21 00-0007 for a series of welds.		
05 05 21 00-0005	EA		Up To 15 Spot Weldings, Welds Up To 1" Length Each	12.87	
			For Aluminum Welding, Add	2.04	
			For Stainless Steel Welding, Add	3.35	
05 05 21 00-0006	EA		>15 Spot Weldings, Welds Up To 1" Length Each	10.05	
			For Aluminum Welding, Add	1.62	
			For Stainless Steel Welding, Add	2.65	
05 05 21 00-0007			Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)		
05 05 21 00-0008			Vertical Fillet Welds (05 05 21 00-0007)		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009	LF		1/8" Vertical Fillet Weld	8.45	
			For Aluminum Welding, Add	1.81	
			For Stainless Steel Welding, Add	2.80	
			For Up To 25, Add	2.73	
			For >25 To 50, Add	1.93	
05 05 21 00-0010	LF		3/16" Vertical Fillet Weld	16.20	
			For Aluminum Welding, Add	3.11	
			For Stainless Steel Welding, Add	4.90	
			For Up To 25, Add	5.39	
			For >25 To 50, Add	3.82	
05 05 21 00-0011	LF		1/4" Vertical Fillet Weld	24.33	
			For Aluminum Welding, Add	4.68	
			For Stainless Steel Welding, Add	7.37	
			For Up To 25, Add	8.09	
			For >25 To 50, Add	5.74	
05 05 21 00-0012	LF		5/16" Vertical Fillet Weld	32.11	
			For Aluminum Welding, Add	6.21	
			For Stainless Steel Welding, Add	9.77	
			For Up To 25, Add	10.66	
			For >25 To 50, Add	7.56	
05 05 21 00-0013	LF		3/8" Vertical Fillet Weld	40.52	
			For Aluminum Welding, Add	7.79	
			For Stainless Steel Welding, Add	12.27	
			For Up To 25, Add	13.47	
			For >25 To 50, Add	9.56	
05 05 21 00-0014	LF		7/16" Vertical Fillet Weld	46.88	
			For Aluminum Welding, Add	8.39	
			For Stainless Steel Welding, Add	13.42	
			For Up To 25, Add	15.84	
			For >25 To 50, Add	11.27	



		Metals	05
		Common Work Results for Metals	05 05
		Fastening Methods for Metal	05 05 21

05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld.....	55.43	
		For Aluminum Welding, Add	10.70	
		For Stainless Steel Welding, Add	16.84	
		For Up To 25, Add	18.41	
		For >25 To 50, Add	13.06	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld.....	64.56	
		For Aluminum Welding, Add	11.83	
		For Stainless Steel Welding, Add	18.82	
		For Up To 25, Add	21.70	
		For >25 To 50, Add	15.43	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld.....	74.87	
		For Aluminum Welding, Add	13.76	
		For Stainless Steel Welding, Add	21.88	
		For Up To 25, Add	25.15	
		For >25 To 50, Add	17.87	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld.....	101.45	
		For Aluminum Welding, Add	19.57	
		For Stainless Steel Welding, Add	30.80	
		For Up To 25, Add	33.70	
		For >25 To 50, Add	23.91	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld.....	149.37	
		For Aluminum Welding, Add	27.25	
		For Stainless Steel Welding, Add	43.40	
		For Up To 25, Add	50.26	
		For >25 To 50, Add	35.73	
05 05 21 00-0020	LF	1" Vertical Fillet Weld.....	201.94	
		For Aluminum Welding, Add	38.42	
		For Stainless Steel Welding, Add	60.65	
		For Up To 25, Add	67.29	
		For >25 To 50, Add	47.78	
05 05 21 00-0021		Horizontal Or Flat Fillet Welds (05 05 21 00-0007)		
		Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld.....	7.15	
		For Aluminum Welding, Add	1.62	
		For Stainless Steel Welding, Add	2.47	
		For Up To 25, Add	2.28	
		For >25 To 50, Add	1.61	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld.....	13.79	
		For Aluminum Welding, Add	2.78	
		For Stainless Steel Welding, Add	4.34	
		For Up To 25, Add	4.53	
		For >25 To 50, Add	3.21	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld.....	20.62	
		For Aluminum Welding, Add	4.16	
		For Stainless Steel Welding, Add	6.49	
		For Up To 25, Add	6.77	
		For >25 To 50, Add	4.80	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld.....	27.29	
		For Aluminum Welding, Add	5.56	
		For Stainless Steel Welding, Add	8.65	
		For Up To 25, Add	8.94	
		For >25 To 50, Add	6.33	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld.....	34.41	
		For Aluminum Welding, Add	6.94	
		For Stainless Steel Welding, Add	10.83	
		For Up To 25, Add	11.30	
		For >25 To 50, Add	8.01	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld.....	39.59	
		For Aluminum Welding, Add	7.37	
		For Stainless Steel Welding, Add	11.68	
		For Up To 25, Add	13.26	
		For >25 To 50, Add	9.42	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld.....	47.02	
		For Aluminum Welding, Add	9.55	
		For Stainless Steel Welding, Add	14.88	
		For Up To 25, Add	15.42	
		For >25 To 50, Add	10.92	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld.....	54.66	
		For Aluminum Welding, Add	10.48	
		For Stainless Steel Welding, Add	16.52	
		For Up To 25, Add	18.18	
		For >25 To 50, Add	12.91	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld.....	63.81	
		For Aluminum Welding, Add	12.53	
		For Stainless Steel Welding, Add	19.65	
		For Up To 25, Add	21.10	
		For >25 To 50, Add	14.97	
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld.....	86.15	
		For Aluminum Welding, Add	17.49	
		For Stainless Steel Welding, Add	27.25	
		For Up To 25, Add	28.25	
		For >25 To 50, Add	20.02	

05 Metals**05 05 Common Work Results for Metals****05 05 21 Fastening Methods for Metal**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0032	LF		7/8" Horizontal Or Flat Fillet Weld.....	125.29	
			For Aluminum Welding, Add	23.32	
			For Stainless Steel Welding, Add	36.99	
			For Up To 25, Add	41.96	
			For >25 To 50, Add	29.81	
05 05 21 00-0033	LF		1" Horizontal Or Flat Fillet Weld.....	170.81	
			For Aluminum Welding, Add	34.15	
			For Stainless Steel Welding, Add	53.36	
			For Up To 25, Add	56.23	
			For >25 To 50, Add	39.86	

05 05 23 Metal Fastenings (05 05)**05 05 23 00-0001 Drilling In Existing Steel Plates** (05 05 23)

05 05 23 00-0002	EA		>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	37.70	
			For Aluminum, Deduct	-3.77	
			For Stainless Steel, Add	4.71	
			For >5 To 10, Deduct	-3.77	
			For >10 To 25, Deduct	-9.43	
			For >25 To 50, Deduct	-13.20	
			For >50, Deduct	-18.85	
05 05 23 00-0003	EA		>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	50.50	
			For Aluminum, Deduct	-5.05	
			For Stainless Steel, Add	6.31	
			For >5 To 10, Deduct	-5.05	
			For >10 To 25, Deduct	-12.63	
			For >25 To 50, Deduct	-17.68	
			For >50, Deduct	-25.25	
05 05 23 00-0004	EA		>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	50.50	
			For Aluminum, Deduct	-5.05	
			For Stainless Steel, Add	6.31	
			For >5 To 10, Deduct	-5.05	
			For >10 To 25, Deduct	-12.63	
			For >25 To 50, Deduct	-17.68	
			For >50, Deduct	-25.25	
05 05 23 00-0005	EA		Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	33.66	
			For Aluminum, Deduct	-3.37	
			For Stainless Steel, Add	4.21	
			For >5 To 10, Deduct	-3.37	
			For >10 To 25, Deduct	-8.42	
			For >25 To 50, Deduct	-11.78	
			For >50, Deduct	-16.83	
05 05 23 00-0006	EA		>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	44.43	
			For Aluminum, Deduct	-4.44	
			For Stainless Steel, Add	5.55	
			For >5 To 10, Deduct	-4.44	
			For >10 To 25, Deduct	-11.11	
			For >25 To 50, Deduct	-15.55	
			For >50, Deduct	-22.22	
05 05 23 00-0007	EA		>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	53.86	
			For >5 To 10, Deduct	-5.39	
			For >10 To 25, Deduct	-13.47	
			For >25 To 50, Deduct	-18.85	
			For >50, Deduct	-26.93	

05 05 23 00-0008 Cutting Existing Steel With Torch (05 05 23)

05 05 23 00-0009	LF		Torch Cutting, Milled Steel Up To 1/4" Thick	7.13	

05 05 23 00-0010 Hex Bolts (05 05 23)

Note: For owner furnished materials or where requested by the owner. Excludes drilling through steel, concrete, brick or block. See CSI section 02 41 19 13-0277 for drilling into concrete, 02 41 19 13-0292 for drilling into brick or block, 02 41 19 13-0307 for drilling into wood or plastic, 05 05 23 00-0001 for drilling through steel.

05 05 23 00-0011 A307B Heavy Hex Bolts (05 05 23 00-0010)

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0012 Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0011)

05 05 23 00-0013	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	14.44	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.26	
			For >100, Deduct	-2.52	
05 05 23 00-0014	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	15.85	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.30	
			For >100, Deduct	-2.59	
05 05 23 00-0015	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	15.89	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.30	
			For >100, Deduct	-2.59	
05 05 23 00-0016	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	18.88	1.64
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.50	
			For >100, Deduct	-3.00	



		Metals	05	05
		Common Work Results for Metals	05 05	
		Metal Fastenings	05 05 23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0017	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	18.25	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.36	
		For >100, Deduct	-2.71	
05 05 23 00-0018	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	21.82	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.57	
		For >100, Deduct	-3.14	
05 05 23 00-0019	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	27.40	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.76	
		For >100, Deduct	-3.52	
05 05 23 00-0020	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	29.41	1.80
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-1.86	
		For >100, Deduct	-3.73	
05 05 23 00-0021	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	21.77	1.56
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.52	
		For >100, Deduct	-3.04	
05 05 23 00-0022	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	26.16	1.72
		For >10 To 50, Deduct	-0.71	
		For >50 To 100, Deduct	-1.73	
		For >100, Deduct	-3.45	
05 05 23 00-0023	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	30.67	1.80
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-1.90	
		For >100, Deduct	-3.79	
05 05 23 00-0024	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	43.42	1.89
		For >10 To 50, Deduct	-0.79	
		For >50 To 100, Deduct	-2.27	
		For >100, Deduct	-4.54	
05 05 23 00-0025	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	50.79	2.15
		For >10 To 50, Deduct	-0.89	
		For >50 To 100, Deduct	-2.61	
		For >100, Deduct	-5.22	
05 05 23 00-0026	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	57.10	2.30
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.86	
		For >100, Deduct	-5.73	
05 05 23 00-0027 Galvanized A307B Heavy Hex Bolts (05 05 23 00-0011)				
05 05 23 00-0028	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	15.13	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.28	
		For >100, Deduct	-2.56	
05 05 23 00-0029	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	16.31	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.31	
		For >100, Deduct	-2.62	
05 05 23 00-0030	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	17.59	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.34	
		For >100, Deduct	-2.68	
05 05 23 00-0031	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	20.58	1.64
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.54	
		For >100, Deduct	-3.08	
05 05 23 00-0032	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	20.19	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.40	
		For >100, Deduct	-2.81	
05 05 23 00-0033	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	25.40	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.66	
		For >100, Deduct	-3.32	
05 05 23 00-0034	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	33.57	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.91	
		For >100, Deduct	-3.83	
05 05 23 00-0035	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	39.40	1.80
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-2.11	
		For >100, Deduct	-4.23	
05 05 23 00-0036	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	26.84	1.56
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.65	
		For >100, Deduct	-3.29	
05 05 23 00-0037	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	31.87	1.72
		For >10 To 50, Deduct	-0.71	
		For >50 To 100, Deduct	-1.87	
		For >100, Deduct	-3.74	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0038	EA		1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	38.05	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-2.08	
			For >100, Deduct	-4.16	
05 05 23 00-0039	EA		1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	56.78	1.89
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-2.61	
			For >100, Deduct	-5.21	
05 05 23 00-0040	EA		1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	56.77	2.15
			For >10 To 50, Deduct	-0.89	
			For >50 To 100, Deduct	-2.76	
			For >100, Deduct	-5.52	
05 05 23 00-0041	EA		1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	70.95	2.30
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-3.21	
			For >100, Deduct	-6.42	
05 05 23 00-0042			A325 High Strength Structural Bolts (05 05 23 00-0010)		
			Note: Includes A325 heavy hex nut and two structural washers.		
05 05 23 00-0043			Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0042)		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0044	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.11	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.25	
			For >100, Deduct	-2.51	
05 05 23 00-0045	EA		1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	14.42	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.26	
			For >100, Deduct	-2.52	
05 05 23 00-0046	EA		5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	15.42	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.29	
			For >100, Deduct	-2.57	
05 05 23 00-0047	EA		5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	18.91	1.64
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.50	
			For >100, Deduct	-3.00	
05 05 23 00-0048	EA		5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	21.89	1.72
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.62	
			For >100, Deduct	-3.24	
05 05 23 00-0049	EA		3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	16.80	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.32	
			For >100, Deduct	-2.64	
05 05 23 00-0050	EA		3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	20.38	1.64
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.54	
			For >100, Deduct	-3.07	
05 05 23 00-0051	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	23.20	1.72
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.65	
			For >100, Deduct	-3.31	
05 05 23 00-0052	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	28.53	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.84	
			For >100, Deduct	-3.69	
05 05 23 00-0053	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	19.49	1.56
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.46	
			For >100, Deduct	-2.93	
05 05 23 00-0054	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	23.74	1.72
			For >10 To 50, Deduct	-0.71	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.33	
05 05 23 00-0055	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	27.10	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.81	
			For >100, Deduct	-3.61	
05 05 23 00-0056	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	29.36	1.89
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-1.92	
			For >100, Deduct	-3.84	
05 05 23 00-0057	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	21.55	1.62
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.55	
			For >100, Deduct	-3.11	
05 05 23 00-0058	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	25.92	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.78	
			For >100, Deduct	-3.56	



		Metals	05	05
		Common Work Results for Metals	05 05	
		Metal Fastenings	05 05 23	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
05 05 23 00-0059	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	30.02	1.89
		For >10 To 50, Deduct	-0.79	
		For >50 To 100, Deduct	-1.94	
		For >100, Deduct	-3.87	
05 05 23 00-0060	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	38.45	2.02
		For >10 To 50, Deduct	-0.84	
		For >50 To 100, Deduct	-2.23	
		For >100, Deduct	-4.45	
05 05 23 00-0061	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	36.71	2.02
		For >10 To 50, Deduct	-0.84	
		For >50 To 100, Deduct	-2.18	
		For >100, Deduct	-4.36	
05 05 23 00-0062	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	41.60	2.15
		For >10 To 50, Deduct	-0.89	
		For >50 To 100, Deduct	-2.38	
		For >100, Deduct	-4.76	
05 05 23 00-0063	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	48.84	2.30
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.66	
		For >100, Deduct	-5.31	
05 05 23 00-0064	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	57.33	2.46
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.96	
		For >100, Deduct	-5.93	
05 05 23 00-0065		Galvanized A325 High Strength Structural Bolts (05 05 23 00-0042)		
		Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0066	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	14.74	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.27	
		For >100, Deduct	-2.54	
05 05 23 00-0067	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	14.96	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.27	
		For >100, Deduct	-2.55	
05 05 23 00-0068	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	16.73	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.32	
		For >100, Deduct	-2.64	
05 05 23 00-0069	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	19.84	1.64
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.52	
		For >100, Deduct	-3.05	
05 05 23 00-0070	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	21.00	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.60	
		For >100, Deduct	-3.20	
05 05 23 00-0071	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	17.40	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.34	
		For >100, Deduct	-2.67	
05 05 23 00-0072	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.14	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.56	
		For >100, Deduct	-3.11	
05 05 23 00-0073	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	24.38	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.68	
		For >100, Deduct	-3.37	
05 05 23 00-0074	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	31.33	1.80
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-1.91	
		For >100, Deduct	-3.83	
05 05 23 00-0075	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	23.11	1.56
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.55	
		For >100, Deduct	-3.11	
05 05 23 00-0076	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	25.88	1.72
		For >10 To 50, Deduct	-0.71	
		For >50 To 100, Deduct	-1.72	
		For >100, Deduct	-3.44	
05 05 23 00-0077	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	29.69	1.80
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-1.87	
		For >100, Deduct	-3.74	
05 05 23 00-0078	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	37.14	1.89
		For >10 To 50, Deduct	-0.79	
		For >50 To 100, Deduct	-2.12	
		For >100, Deduct	-4.23	
05 05 23 00-0079	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	24.36	1.62
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.62	
		For >100, Deduct	-3.25	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0080	EA		1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	32.37	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.94	
			For >100, Deduct	-3.88	
05 05 23 00-0081	EA		1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	35.42	1.89
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-2.07	
			For >100, Deduct	-4.14	
05 05 23 00-0082	EA		1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	45.11	2.02
			For >10 To 50, Deduct	-0.84	
			For >50 To 100, Deduct	-2.39	
			For >100, Deduct	-4.78	
05 05 23 00-0083	EA		1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	44.84	2.02
			For >10 To 50, Deduct	-0.84	
			For >50 To 100, Deduct	-2.38	
			For >100, Deduct	-4.77	
05 05 23 00-0084	EA		1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	47.81	2.15
			For >10 To 50, Deduct	-0.89	
			For >50 To 100, Deduct	-2.54	
			For >100, Deduct	-5.07	
05 05 23 00-0085	EA		1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	55.95	2.30
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-2.84	
			For >100, Deduct	-5.67	
05 05 23 00-0086	EA		1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	64.75	2.46
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-3.15	
			For >100, Deduct	-6.30	
05 05 23 00-0087			A490 High Strength Structural Bolts (05 05 23 00-0010)		
			Note: Includes A490 heavy hex nut and two structural washers.		
05 05 23 00-0088			Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0087)		
05 05 23 00-0089	EA		5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	15.91	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.30	
			For >100, Deduct	-2.60	
05 05 23 00-0090	EA		5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	22.28	1.64
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.58	
			For >100, Deduct	-3.17	
05 05 23 00-0091	EA		5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	23.84	1.72
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.34	
05 05 23 00-0092	EA		3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	17.82	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.35	
			For >100, Deduct	-2.69	
05 05 23 00-0093	EA		3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	21.55	1.64
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.57	
			For >100, Deduct	-3.13	
05 05 23 00-0094	EA		3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	25.07	1.72
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.70	
			For >100, Deduct	-3.40	
05 05 23 00-0095	EA		3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	32.18	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.93	
			For >100, Deduct	-3.87	
05 05 23 00-0096	EA		7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	20.67	1.56
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.49	
			For >100, Deduct	-2.99	
05 05 23 00-0097	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	24.11	1.72
			For >10 To 50, Deduct	-0.71	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.35	
05 05 23 00-0098	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	34.72	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-2.00	
			For >100, Deduct	-4.00	
05 05 23 00-0099	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	24.30	1.62
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.62	
			For >100, Deduct	-3.24	
05 05 23 00-0100	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	29.02	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.86	
			For >100, Deduct	-3.71	
05 05 23 00-0101	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	33.35	1.89
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-2.02	
			For >100, Deduct	-4.04	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

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MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
05 05 23 00-0102	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	41.63	2.02
		For >10 To 50, Deduct	-0.84	
		For >50 To 100, Deduct	-2.30	
		For >100, Deduct	-4.61	
05 05 23 00-0103	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	53.34	2.15
		For >10 To 50, Deduct	-0.89	
		For >50 To 100, Deduct	-2.67	
		For >100, Deduct	-5.35	
05 05 23 00-0104	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	56.15	2.30
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.84	
		For >100, Deduct	-5.68	
05 05 23 00-0105	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	58.58	2.46
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-3.00	
		For >100, Deduct	-5.99	
05 05 23 00-0106		Hex Head Bolts (05 05 23 00-0010)		
05 05 23 00-0107		Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0106)		
05 05 23 00-0108		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0107)		
05 05 23 00-0109	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.77	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0110	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0111	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0112	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.91	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0113	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.22	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0114	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.25	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0115	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.37	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0116	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.63	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0117	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.67	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0118	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.86	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0119	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.23	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0120	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.37	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0121	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.56	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0122	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.23	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0123	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.53	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-0124	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.60		
		For >100 To 250, Deduct	-1.93		
		For >250 To 500, Deduct	-2.41		
		For >500, Deduct	-2.90		
05 05 23 00-0125 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0107)					
05 05 23 00-0126	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84		
		For >100 To 250, Deduct	-1.73		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.60		
05 05 23 00-0127	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.87		
		For >100 To 250, Deduct	-1.73		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.60		
05 05 23 00-0128	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.93		
		For >100 To 250, Deduct	-1.73		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.60		
05 05 23 00-0129	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.99		
		For >100 To 250, Deduct	-1.73		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.60		
05 05 23 00-0130	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30		
		For >100 To 250, Deduct	-1.78		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-2.67		
05 05 23 00-0131	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.42		
		For >100 To 250, Deduct	-1.78		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-2.67		
05 05 23 00-0132	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.47		
		For >100 To 250, Deduct	-1.78		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-2.67		
05 05 23 00-0133	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.84		
		For >100 To 250, Deduct	-1.83		
		For >250 To 500, Deduct	-2.29		
		For >500, Deduct	-2.75		
05 05 23 00-0134	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.02		
		For >100 To 250, Deduct	-1.83		
		For >250 To 500, Deduct	-2.29		
		For >500, Deduct	-2.75		
05 05 23 00-0135	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09		
		For >100 To 250, Deduct	-1.83		
		For >250 To 500, Deduct	-2.29		
		For >500, Deduct	-2.75		
05 05 23 00-0136	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39		
		For >100 To 250, Deduct	-1.88		
		For >250 To 500, Deduct	-2.35		
		For >500, Deduct	-2.82		
05 05 23 00-0137	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.46		
		For >100 To 250, Deduct	-1.88		
		For >250 To 500, Deduct	-2.35		
		For >500, Deduct	-2.82		
05 05 23 00-0138	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.13		
		For >100 To 250, Deduct	-1.88		
		For >250 To 500, Deduct	-2.35		
		For >500, Deduct	-2.82		
05 05 23 00-0139	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.72		
		For >100 To 250, Deduct	-1.93		
		For >250 To 500, Deduct	-2.41		
		For >500, Deduct	-2.90		
05 05 23 00-0140	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.02		
		For >100 To 250, Deduct	-1.93		
		For >250 To 500, Deduct	-2.41		
		For >500, Deduct	-2.90		
05 05 23 00-0141	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.29		
		For >100 To 250, Deduct	-1.93		
		For >250 To 500, Deduct	-2.41		
		For >500, Deduct	-2.90		
05 05 23 00-0142 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0107)					
05 05 23 00-0143	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.92		
		For >100 To 250, Deduct	-1.73		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.60		
05 05 23 00-0144	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.95		
		For >100 To 250, Deduct	-1.73		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.60		



		Metals	05	05
		Common Work Results for Metals	05 05	
		Metal Fastenings	05 05 23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0145	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.04		
		For >100 To 250, Deduct	-1.73		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.60		
05 05 23 00-0146	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.13		
		For >100 To 250, Deduct	-1.73		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.60		
05 05 23 00-0147	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.46		
		For >100 To 250, Deduct	-1.78		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-2.67		
05 05 23 00-0148	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.61		
		For >100 To 250, Deduct	-1.78		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-2.67		
05 05 23 00-0149	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.77		
		For >100 To 250, Deduct	-1.78		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-2.67		
05 05 23 00-0150	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.17		
		For >100 To 250, Deduct	-1.83		
		For >250 To 500, Deduct	-2.29		
		For >500, Deduct	-2.75		
05 05 23 00-0151	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38		
		For >100 To 250, Deduct	-1.83		
		For >250 To 500, Deduct	-2.29		
		For >500, Deduct	-2.75		
05 05 23 00-0152	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.49		
		For >100 To 250, Deduct	-1.83		
		For >250 To 500, Deduct	-2.29		
		For >500, Deduct	-2.75		
05 05 23 00-0153	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.94		
		For >100 To 250, Deduct	-1.88		
		For >250 To 500, Deduct	-2.35		
		For >500, Deduct	-2.82		
05 05 23 00-0154	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.06		
		For >100 To 250, Deduct	-1.88		
		For >250 To 500, Deduct	-2.35		
		For >500, Deduct	-2.82		
05 05 23 00-0155	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.13		
		For >100 To 250, Deduct	-1.88		
		For >250 To 500, Deduct	-2.35		
		For >500, Deduct	-2.82		
05 05 23 00-0156	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.44		
		For >100 To 250, Deduct	-1.93		
		For >250 To 500, Deduct	-2.41		
		For >500, Deduct	-2.90		
05 05 23 00-0157	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.57		
		For >100 To 250, Deduct	-1.93		
		For >250 To 500, Deduct	-2.41		
		For >500, Deduct	-2.90		
05 05 23 00-0158	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.75		
		For >100 To 250, Deduct	-1.93		
		For >250 To 500, Deduct	-2.41		
		For >500, Deduct	-2.90		
05 05 23 00-0159		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05			
		23 00-0107)			
05 05 23 00-0160	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.54		
		For >100 To 250, Deduct	-1.98		
		For >250 To 500, Deduct	-2.48		
		For >500, Deduct	-2.97		
05 05 23 00-0161	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.67		
		For >100 To 250, Deduct	-1.98		
		For >250 To 500, Deduct	-2.48		
		For >500, Deduct	-2.97		
05 05 23 00-0162	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.69		
		For >100 To 250, Deduct	-1.98		
		For >250 To 500, Deduct	-2.48		
		For >500, Deduct	-2.97		
05 05 23 00-0163	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.10		
		For >100 To 250, Deduct	-2.03		
		For >250 To 500, Deduct	-2.54		
		For >500, Deduct	-3.04		
05 05 23 00-0164	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.29		
		For >100 To 250, Deduct	-2.03		
		For >250 To 500, Deduct	-2.54		
		For >500, Deduct	-3.04		
05 05 23 00-0165	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.45		
		For >100 To 250, Deduct	-2.03		
		For >250 To 500, Deduct	-2.54		
		For >500, Deduct	-3.04		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0166	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.11	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0167	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.23	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0168	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.46	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0169	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.09	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0170	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.20	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0171	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.49	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0172	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.87	
		For >100 To 250, Deduct	-2.18	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.27	
05 05 23 00-0173	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.13	
		For >100 To 250, Deduct	-2.18	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.27	
05 05 23 00-0174	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.64	
		For >100 To 250, Deduct	-2.18	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.27	
05 05 23 00-0175		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts /05 05		
		23 00-0107		
05 05 23 00-0176	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.44	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-0177	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.59	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-0178	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.74	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-0179	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.15	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0180	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0181	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.47	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.93	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0183	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.11	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0184	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.43	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0185	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.72	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0186	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.76	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0187	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.03	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0188	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.53	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0189	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.70	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0190	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.16	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0191	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.65	
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-0192	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.82	
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-0193	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.48	
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-0194	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.66	
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-0195			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0107)		
05 05 23 00-0196	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0197	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.80	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0198	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.86	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0199	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.78	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0200	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.06	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0201	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.15	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0202	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.43	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0203	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.50	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0204	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.73	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0205	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.03	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0206	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.10	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0207	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.31	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0208 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.78	
For>100 To 250, Deduct	-2.18	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.27	
05 05 23 00-0209 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.02	
For>100 To 250, Deduct	-2.18	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.27	
05 05 23 00-0210 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.27	
For>100 To 250, Deduct	-2.18	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.27	
05 05 23 00-0211 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.74	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.79	
For>500, Deduct	-3.34	
05 05 23 00-0212 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.02	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.79	
For>500, Deduct	-3.34	
05 05 23 00-0213 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.22	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.79	
For>500, Deduct	-3.34	
05 05 23 00-0214 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.51	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.79	
For>500, Deduct	-3.34	
05 05 23 00-0215 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05		
23 00-0107)		
05 05 23 00-0216 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.30	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.79	
For>500, Deduct	-3.34	
05 05 23 00-0217 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.43	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.79	
For>500, Deduct	-3.34	
05 05 23 00-0218 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.62	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.79	
For>500, Deduct	-3.34	
05 05 23 00-0219 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.10	
For>100 To 250, Deduct	-2.28	
For>250 To 500, Deduct	-2.85	
For>500, Deduct	-3.41	
05 05 23 00-0220 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.37	
For>100 To 250, Deduct	-2.28	
For>250 To 500, Deduct	-2.85	
For>500, Deduct	-3.41	
05 05 23 00-0221 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.71	
For>100 To 250, Deduct	-2.28	
For>250 To 500, Deduct	-2.85	
For>500, Deduct	-3.41	
05 05 23 00-0222 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.39	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.91	
For>500, Deduct	-3.49	
05 05 23 00-0223 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.90	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.91	
For>500, Deduct	-3.49	
05 05 23 00-0224 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.31	
For>100 To 250, Deduct	-2.33	
For>250 To 500, Deduct	-2.91	
For>500, Deduct	-3.49	
05 05 23 00-0225 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.71	
For>100 To 250, Deduct	-2.37	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.56	
05 05 23 00-0226 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.77	
For>100 To 250, Deduct	-2.37	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.56	
05 05 23 00-0227 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.45	
For>100 To 250, Deduct	-2.37	
For>250 To 500, Deduct	-2.97	
For>500, Deduct	-3.56	
05 05 23 00-0228 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.09	
For>100 To 250, Deduct	-2.42	
For>250 To 500, Deduct	-3.03	
For>500, Deduct	-3.64	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0229	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.63		
		For >100 To 250, Deduct	-2.42		
		For >250 To 500, Deduct	-3.03		
		For >500, Deduct	-3.64		
05 05 23 00-0230	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.27		
		For >100 To 250, Deduct	-2.42		
		For >250 To 500, Deduct	-3.03		
		For >500, Deduct	-3.64		
05 05 23 00-0231	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.21		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0232	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.83		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0233	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.47		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0234	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.96		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0235		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0107)			
05 05 23 00-0236	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.76		
		For >100 To 250, Deduct	-2.23		
		For >250 To 500, Deduct	-2.79		
		For >500, Deduct	-3.34		
05 05 23 00-0237	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.04		
		For >100 To 250, Deduct	-2.23		
		For >250 To 500, Deduct	-2.79		
		For >500, Deduct	-3.34		
05 05 23 00-0238	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.30		
		For >100 To 250, Deduct	-2.23		
		For >250 To 500, Deduct	-2.79		
		For >500, Deduct	-3.34		
05 05 23 00-0239	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.86		
		For >100 To 250, Deduct	-2.28		
		For >250 To 500, Deduct	-2.85		
		For >500, Deduct	-3.41		
05 05 23 00-0240	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.27		
		For >100 To 250, Deduct	-2.28		
		For >250 To 500, Deduct	-2.85		
		For >500, Deduct	-3.41		
05 05 23 00-0241	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.62		
		For >100 To 250, Deduct	-2.28		
		For >250 To 500, Deduct	-2.85		
		For >500, Deduct	-3.41		
05 05 23 00-0242	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.25		
		For >100 To 250, Deduct	-2.33		
		For >250 To 500, Deduct	-2.91		
		For >500, Deduct	-3.49		
05 05 23 00-0243	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.75		
		For >100 To 250, Deduct	-2.33		
		For >250 To 500, Deduct	-2.91		
		For >500, Deduct	-3.49		
05 05 23 00-0244	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.13		
		For >100 To 250, Deduct	-2.33		
		For >250 To 500, Deduct	-2.91		
		For >500, Deduct	-3.49		
05 05 23 00-0245	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.18		
		For >100 To 250, Deduct	-2.37		
		For >250 To 500, Deduct	-2.97		
		For >500, Deduct	-3.56		
05 05 23 00-0246	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.50		
		For >100 To 250, Deduct	-2.37		
		For >250 To 500, Deduct	-2.97		
		For >500, Deduct	-3.56		
05 05 23 00-0247	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.11		
		For >100 To 250, Deduct	-2.37		
		For >250 To 500, Deduct	-2.97		
		For >500, Deduct	-3.56		
05 05 23 00-0248	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.40		
		For >100 To 250, Deduct	-2.42		
		For >250 To 500, Deduct	-3.03		
		For >500, Deduct	-3.64		
05 05 23 00-0249	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.82		
		For >100 To 250, Deduct	-2.42		
		For >250 To 500, Deduct	-3.03		
		For >500, Deduct	-3.64		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0250	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.48		
		For >100 To 250, Deduct	-2.42		
		For >250 To 500, Deduct	-3.03		
		For >500, Deduct	-3.64		
05 05 23 00-0251	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.61		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0252	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.27		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0253	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.15		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0254	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.00		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0255 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05					
		23 00-0107)			
05 05 23 00-0256	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.49		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0257	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.72		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0258	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.84		
		For >100 To 250, Deduct	-2.48		
		For >250 To 500, Deduct	-3.10		
		For >500, Deduct	-3.71		
05 05 23 00-0259	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.40		
		For >100 To 250, Deduct	-2.52		
		For >250 To 500, Deduct	-3.16		
		For >500, Deduct	-3.79		
05 05 23 00-0260	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.05		
		For >100 To 250, Deduct	-2.52		
		For >250 To 500, Deduct	-3.16		
		For >500, Deduct	-3.79		
05 05 23 00-0261	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.80		
		For >100 To 250, Deduct	-2.52		
		For >250 To 500, Deduct	-3.16		
		For >500, Deduct	-3.79		
05 05 23 00-0262	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.68		
		For >100 To 250, Deduct	-2.57		
		For >250 To 500, Deduct	-3.22		
		For >500, Deduct	-3.86		
05 05 23 00-0263	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.78		
		For >100 To 250, Deduct	-2.57		
		For >250 To 500, Deduct	-3.22		
		For >500, Deduct	-3.86		
05 05 23 00-0264	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.39		
		For >100 To 250, Deduct	-2.57		
		For >250 To 500, Deduct	-3.22		
		For >500, Deduct	-3.86		
05 05 23 00-0265	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.12		
		For >100 To 250, Deduct	-2.62		
		For >250 To 500, Deduct	-3.28		
		For >500, Deduct	-3.94		
05 05 23 00-0266	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.48		
		For >100 To 250, Deduct	-2.62		
		For >250 To 500, Deduct	-3.28		
		For >500, Deduct	-3.94		
05 05 23 00-0267	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.35		
		For >100 To 250, Deduct	-2.62		
		For >250 To 500, Deduct	-3.28		
		For >500, Deduct	-3.94		
05 05 23 00-0268	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.45		
		For >100 To 250, Deduct	-2.67		
		For >250 To 500, Deduct	-3.34		
		For >500, Deduct	-4.01		
05 05 23 00-0269	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.33		
		For >100 To 250, Deduct	-2.67		
		For >250 To 500, Deduct	-3.34		
		For >500, Deduct	-4.01		
05 05 23 00-0270	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.20		
		For >100 To 250, Deduct	-2.67		
		For >250 To 500, Deduct	-3.34		
		For >500, Deduct	-4.01		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0271	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.27	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0272	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.18	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0273	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.03	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0274	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.93	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0275			1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0107)		
05 05 23 00-0276	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.55	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0277	EA		1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.14	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0278	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.37	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0279	EA		1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.63	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0280	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.77	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0281	EA		1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.20	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	
05 05 23 00-0282	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.30	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	
05 05 23 00-0283	EA		1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.44	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	
05 05 23 00-0284	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.25	
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-3.28	
			For >500, Deduct	-3.94	
05 05 23 00-0285	EA		1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.80	
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-3.28	
			For >500, Deduct	-3.94	
05 05 23 00-0286	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.76	
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-3.28	
			For >500, Deduct	-3.94	
05 05 23 00-0287	EA		1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.95	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0288	EA		1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.90	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0289	EA		1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.88	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0290	EA		1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.92	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0291	EA		1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.03	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0292 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.02	
For >100 To 250, Deduct	-2.72	
For >250 To 500, Deduct	-3.40	
For >500, Deduct	-4.08	
05 05 23 00-0293 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.01	
For >100 To 250, Deduct	-2.72	
For >250 To 500, Deduct	-3.40	
For >500, Deduct	-4.08	
05 05 23 00-0294 Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0106)		
05 05 23 00-0295 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)		
05 05 23 00-0296 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.82	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0297 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.87	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0298 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.92	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0299 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.00	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0300 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.34	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0301 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.48	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0302 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.65	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0303 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.02	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0304 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.23	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0305 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.36	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0306 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.75	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0307 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.88	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0308 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.00	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0309 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.42	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.90	
05 05 23 00-0310 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.60	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.90	
05 05 23 00-0311 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.79	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.90	
05 05 23 00-0312 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)		
05 05 23 00-0313 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.92	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0314	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.96	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0315	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.02	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0316	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.13	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0317	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.47	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0318	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.61	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0319	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.86	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0320	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.24	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0321	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.44	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0322	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.62	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0323	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.22	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0324	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.29	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0325	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.54	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0326	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.11	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0327	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.45	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0328	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.77	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0329		3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)		
05 05 23 00-0330	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.98	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0331	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.01	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0332	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.12	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0333	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.24	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0334	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.62	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0335 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.76	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0336 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.98	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0337 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.47	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0338 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.98	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0339 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.22	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0340 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.77	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0341 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.99	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0342 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.38	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0343 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.91	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.90	
05 05 23 00-0344 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.43	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.90	
05 05 23 00-0345 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.84	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.90	
05 05 23 00-0346 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)		
05 05 23 00-0347 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.45	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-2.97	
05 05 23 00-0348 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.56	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-2.97	
05 05 23 00-0349 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.82	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-2.97	
05 05 23 00-0350 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.27	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.04	
05 05 23 00-0351 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.46	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.04	
05 05 23 00-0352 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.64	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.04	
05 05 23 00-0353 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.12	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0354 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.15	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0355 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.60	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0356	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.99	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0357	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.20	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0358	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.42	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0359	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.97	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0360	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.26	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0361	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.56	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0362			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)		
05 05 23 00-0363	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.59	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0364	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.73	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0365	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.88	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0366	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.37	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0367	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.60	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0368	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.85	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0369	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.32	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0370	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.12	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0371	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.17	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0372	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.97	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0373	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.28	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0374	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.08	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0375	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.05	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0376	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.51	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0377 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.67	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0378 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.75	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0379 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.54	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0380 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.65	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0381 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.08	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0382 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)		
05 05 23 00-0383 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.02	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-2.97	
05 05 23 00-0384 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.28	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-2.97	
05 05 23 00-0385 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.52	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-2.97	
05 05 23 00-0386 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.02	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.04	
05 05 23 00-0387 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.34	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.04	
05 05 23 00-0388 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.70	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.04	
05 05 23 00-0389 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.37	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0390 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.76	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0391 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.13	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0392 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.78	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.19	
05 05 23 00-0393 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.17	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.19	
05 05 23 00-0394 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.46	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.19	
05 05 23 00-0395 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.30	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0396 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.83	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0397 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.72	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

05

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-0398	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.82		
	For >100 To 250, Deduct	-2.23		
	For >250 To 500, Deduct	-2.79		
	For >500, Deduct	-3.34		
05 05 23 00-0399	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.14		
	For >100 To 250, Deduct	-2.23		
	For >250 To 500, Deduct	-2.79		
	For >500, Deduct	-3.34		
05 05 23 00-0400	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.46		
	For >100 To 250, Deduct	-2.23		
	For >250 To 500, Deduct	-2.79		
	For >500, Deduct	-3.34		
05 05 23 00-0401	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.27		
	For >100 To 250, Deduct	-2.23		
	For >250 To 500, Deduct	-2.79		
	For >500, Deduct	-3.34		
05 05 23 00-0402	5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)			
05 05 23 00-0403	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.54		
	For >100 To 250, Deduct	-2.23		
	For >250 To 500, Deduct	-2.79		
	For >500, Deduct	-3.34		
05 05 23 00-0404	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.63		
	For >100 To 250, Deduct	-2.23		
	For >250 To 500, Deduct	-2.79		
	For >500, Deduct	-3.34		
05 05 23 00-0405	EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.71		
	For >100 To 250, Deduct	-2.23		
	For >250 To 500, Deduct	-2.79		
	For >500, Deduct	-3.34		
05 05 23 00-0406	EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.19		
	For >100 To 250, Deduct	-2.28		
	For >250 To 500, Deduct	-2.85		
	For >500, Deduct	-3.41		
05 05 23 00-0407	EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.62		
	For >100 To 250, Deduct	-2.28		
	For >250 To 500, Deduct	-2.85		
	For >500, Deduct	-3.41		
05 05 23 00-0408	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.01		
	For >100 To 250, Deduct	-2.28		
	For >250 To 500, Deduct	-2.85		
	For >500, Deduct	-3.41		
05 05 23 00-0409	EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.66		
	For >100 To 250, Deduct	-2.33		
	For >250 To 500, Deduct	-2.91		
	For >500, Deduct	-3.49		
05 05 23 00-0410	EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.41		
	For >100 To 250, Deduct	-2.33		
	For >250 To 500, Deduct	-2.91		
	For >500, Deduct	-3.49		
05 05 23 00-0411	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.81		
	For >100 To 250, Deduct	-2.33		
	For >250 To 500, Deduct	-2.91		
	For >500, Deduct	-3.49		
05 05 23 00-0412	EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.26		
	For >100 To 250, Deduct	-2.37		
	For >250 To 500, Deduct	-2.97		
	For >500, Deduct	-3.56		
05 05 23 00-0413	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.90		
	For >100 To 250, Deduct	-2.37		
	For >250 To 500, Deduct	-2.97		
	For >500, Deduct	-3.56		
05 05 23 00-0414	EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.93		
	For >100 To 250, Deduct	-2.37		
	For >250 To 500, Deduct	-2.97		
	For >500, Deduct	-3.56		
05 05 23 00-0415	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.11		
	For >100 To 250, Deduct	-2.42		
	For >250 To 500, Deduct	-3.03		
	For >500, Deduct	-3.64		
05 05 23 00-0416	EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.95		
	For >100 To 250, Deduct	-2.42		
	For >250 To 500, Deduct	-3.03		
	For >500, Deduct	-3.64		
05 05 23 00-0417	EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.08		
	For >100 To 250, Deduct	-2.42		
	For >250 To 500, Deduct	-3.03		
	For >500, Deduct	-3.64		
05 05 23 00-0418	EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.87		
	For >100 To 250, Deduct	-2.48		
	For >250 To 500, Deduct	-3.10		
	For >500, Deduct	-3.71		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0419 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.00	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0420 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.67	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0421 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.26	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0422 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)		
05 05 23 00-0423 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.50	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0424 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.66	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0425 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.75	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0426 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.36	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.41	
05 05 23 00-0427 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.78	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.41	
05 05 23 00-0428 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.43	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.41	
05 05 23 00-0429 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.12	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.91	
For >500, Deduct	-3.49	
05 05 23 00-0430 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.53	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.91	
For >500, Deduct	-3.49	
05 05 23 00-0431 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.41	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.91	
For >500, Deduct	-3.49	
05 05 23 00-0432 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.06	
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.56	
05 05 23 00-0433 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.78	
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.56	
05 05 23 00-0434 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.66	
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.56	
05 05 23 00-0435 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.17	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0436 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.08	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0437 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.60	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0438 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.23	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0439 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.70	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0440	EA	3/4"	Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.21	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0441	EA	3/4"	Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.59	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0442			7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)		
05 05 23 00-0443	EA	7/8"	Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.94	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0444	EA	7/8"	Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.15	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0445	EA	7/8"	Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.43	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0446	EA	7/8"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.96	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0447	EA	7/8"	Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.81	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0448	EA	7/8"	Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.38	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0449	EA	7/8"	Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.06	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	
05 05 23 00-0450	EA	7/8"	Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.06	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	
05 05 23 00-0451	EA	7/8"	Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.83	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	
05 05 23 00-0452	EA	7/8"	Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.44	
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-3.28	
			For >500, Deduct	-3.94	
05 05 23 00-0453	EA	7/8"	Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.07	
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-3.28	
			For >500, Deduct	-3.94	
05 05 23 00-0454	EA	7/8"	Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.79	
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-3.28	
			For >500, Deduct	-3.94	
05 05 23 00-0455	EA	7/8"	Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.00	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0456	EA	7/8"	Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.19	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0457	EA	7/8"	Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.27	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0458	EA	7/8"	Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	29.24	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0459	EA	7/8"	Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.41	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0460	EA	7/8"	Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	31.40	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0461	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.40	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0462			1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0294)		
05 05 23 00-0463	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.84	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0464	EA		1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.91	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0465	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.78	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0466	EA		1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.61	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0467	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.22	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0468	EA		1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.24	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	
05 05 23 00-0469	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.21	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	
05 05 23 00-0470	EA		1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.62	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	
05 05 23 00-0471	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.88	
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-3.28	
			For >500, Deduct	-3.94	
05 05 23 00-0472	EA		1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.18	
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-3.28	
			For >500, Deduct	-3.94	
05 05 23 00-0473	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.15	
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-3.28	
			For >500, Deduct	-3.94	
05 05 23 00-0474	EA		1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.66	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0475	EA		1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.75	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0476	EA		1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.35	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0477	EA		1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	38.31	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0478	EA		1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	38.84	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0479	EA		1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	40.28	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0480	EA		1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	41.26	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0481			Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0106)		
05 05 23 00-0482			1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)		



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0483	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.85	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0484	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.95	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0485	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0486	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.11	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0487	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.42	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0488	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.54	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0489	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.66	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0490	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.91	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0491	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0492	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.54	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0493	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0494	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.11	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0495	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.32	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0496	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.71	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0497	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0498	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.29	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0499		5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)		
05 05 23 00-0500	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.94	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0501	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.00	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0502	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.19	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0503	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.23	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0504	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.59	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0505	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.87	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0506	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0507	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.38	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0508	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0509	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0510	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0511	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.61	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0512	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.86	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0513	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.28	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0514	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.46	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0515	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.81	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0516		3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)	9.14	
05 05 23 00-0517	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.14	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0518	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0519	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.18	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0520	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.40	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0521	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.79	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0522	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.02	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0523	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0524	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.11	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0525	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.37	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0526	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.42	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0527	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.77	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0528	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.05	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0529	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.32	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0530	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.87	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0531	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.44	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0532	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.77	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0533		7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)		
05 05 23 00-0534	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.60	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-0535	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-0536	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.99	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-0537	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.26	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0538	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.67	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0539	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.89	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0540	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.18	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0541	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.07	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0542	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.77	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0543	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.48	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0544	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.73	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0545	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.09	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0546 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.89	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0547 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.06	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0548 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.15	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0549 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)		
05 05 23 00-0550 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.84	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-2.97	
05 05 23 00-0551 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.10	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-2.97	
05 05 23 00-0552 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.26	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-2.97	
05 05 23 00-0553 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.67	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.04	
05 05 23 00-0554 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.95	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.04	
05 05 23 00-0555 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.60	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.04	
05 05 23 00-0556 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.30	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0557 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.68	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0558 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.95	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0559 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.66	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.19	
05 05 23 00-0560 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.48	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.19	
05 05 23 00-0561 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.23	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.19	
05 05 23 00-0562 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.13	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0563 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.46	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0564 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.40	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0565 EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.20	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0566 EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.87	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0567	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 21.22		
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-0568	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....22.89		
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-0569			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)		
05 05 23 00-0570	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 11.08		
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0571	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 11.23		
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0572	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 11.60		
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0573	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 12.37		
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0574	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 12.50		
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0575	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 13.03		
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0576	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 13.63		
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0577	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 15.36		
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0578	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 15.70		
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0579	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 16.22		
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0580	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 16.97		
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0581	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 19.80		
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0582	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 23.38		
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0583	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 27.48		
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0584	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 31.94		
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-0585			5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)		
05 05 23 00-0586	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... 12.87		
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-0587	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 13.03		
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0588 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.43	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0589 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.25	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.41	
05 05 23 00-0590 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.73	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.41	
05 05 23 00-0591 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.99	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.41	
05 05 23 00-0592 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.42	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.91	
For >500, Deduct	-3.49	
05 05 23 00-0593 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.28	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.91	
For >500, Deduct	-3.49	
05 05 23 00-0594 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.65	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.91	
For >500, Deduct	-3.49	
05 05 23 00-0595 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.29	
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.56	
05 05 23 00-0596 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.69	
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.56	
05 05 23 00-0597 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.53	
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-3.56	
05 05 23 00-0598 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.78	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0599 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.73	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0600 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.14	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.03	
For >500, Deduct	-3.64	
05 05 23 00-0601 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.09	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0602 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.97	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0603 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.11	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0604 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.86	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0605 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)		
05 05 23 00-0606 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.77	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0607 EA 3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.94	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0608 EA 3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.05	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0609	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.54	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.41	
05 05 23 00-0610	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.89	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.41	
05 05 23 00-0611	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.91	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.41	
05 05 23 00-0612	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.59	
		For >100 To 250, Deduct	-2.33	
		For >250 To 500, Deduct	-2.91	
		For >500, Deduct	-3.49	
05 05 23 00-0613	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.68	
		For >100 To 250, Deduct	-2.33	
		For >250 To 500, Deduct	-2.91	
		For >500, Deduct	-3.49	
05 05 23 00-0614	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.06	
		For >100 To 250, Deduct	-2.33	
		For >250 To 500, Deduct	-2.91	
		For >500, Deduct	-3.49	
05 05 23 00-0615	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.81	
		For >100 To 250, Deduct	-2.37	
		For >250 To 500, Deduct	-2.97	
		For >500, Deduct	-3.56	
05 05 23 00-0616	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.53	
		For >100 To 250, Deduct	-2.37	
		For >250 To 500, Deduct	-2.97	
		For >500, Deduct	-3.56	
05 05 23 00-0617	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.89	
		For >100 To 250, Deduct	-2.37	
		For >250 To 500, Deduct	-2.97	
		For >500, Deduct	-3.56	
05 05 23 00-0618	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.80	
		For >100 To 250, Deduct	-2.42	
		For >250 To 500, Deduct	-3.03	
		For >500, Deduct	-3.64	
05 05 23 00-0619	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.52	
		For >100 To 250, Deduct	-2.42	
		For >250 To 500, Deduct	-3.03	
		For >500, Deduct	-3.64	
05 05 23 00-0620	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.90	
		For >100 To 250, Deduct	-2.42	
		For >250 To 500, Deduct	-3.03	
		For >500, Deduct	-3.64	
05 05 23 00-0621	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.94	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0622	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.26	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0623	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.21	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0624	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.56	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0625		7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)		
05 05 23 00-0626	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.47	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0627	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.92	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0628	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.82	
		For >100 To 250, Deduct	-2.52	
		For >250 To 500, Deduct	-3.16	
		For >500, Deduct	-3.79	
05 05 23 00-0629	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.16	
		For >100 To 250, Deduct	-2.52	
		For >250 To 500, Deduct	-3.16	
		For >500, Deduct	-3.79	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0630 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	20.32 -2.52 -3.16 -3.79	
05 05 23 00-0631 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	20.85 -2.57 -3.22 -3.86	
05 05 23 00-0632 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	24.10 -2.57 -3.22 -3.86	
05 05 23 00-0633 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	24.93 -2.57 -3.22 -3.86	
05 05 23 00-0634 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	27.11 -2.62 -3.28 -3.94	
05 05 23 00-0635 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	28.33 -2.62 -3.28 -3.94	
05 05 23 00-0636 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	31.47 -2.62 -3.28 -3.94	
05 05 23 00-0637 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	32.76 -2.67 -3.34 -4.01	
05 05 23 00-0638 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	35.99 -2.67 -3.34 -4.01	
05 05 23 00-0639 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	37.30 -2.67 -3.34 -4.01	
05 05 23 00-0640 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	38.60 -2.72 -3.40 -4.08	
05 05 23 00-0641 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	38.97 -2.72 -3.40 -4.08	
05 05 23 00-0642 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	39.30 -2.72 -3.40 -4.08	
05 05 23 00-0643 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	40.07 -2.72 -3.40 -4.08	
05 05 23 00-0644 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0481)		
05 05 23 00-0645 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	18.75 -2.48 -3.10 -3.71	
05 05 23 00-0646 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	19.87 -2.48 -3.10 -3.71	
05 05 23 00-0647 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	20.60 -2.52 -3.16 -3.79	
05 05 23 00-0648 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	21.45 -2.52 -3.16 -3.79	
05 05 23 00-0649 EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	23.02 -2.52 -3.16 -3.79	
05 05 23 00-0650 EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	23.69 -2.57 -3.22 -3.86	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

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MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	UNIT COST
05 05 23 00-0651	EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		25.05	
	For >100 To 250, Deduct		-2.57	
	For >250 To 500, Deduct		-3.22	
	For >500, Deduct		-3.86	
05 05 23 00-0652	EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		26.86	
	For >100 To 250, Deduct		-2.57	
	For >250 To 500, Deduct		-3.22	
	For >500, Deduct		-3.86	
05 05 23 00-0653	EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		27.96	
	For >100 To 250, Deduct		-2.62	
	For >250 To 500, Deduct		-3.28	
	For >500, Deduct		-3.94	
05 05 23 00-0654	EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		28.73	
	For >100 To 250, Deduct		-2.62	
	For >250 To 500, Deduct		-3.28	
	For >500, Deduct		-3.94	
05 05 23 00-0655	EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		32.52	
	For >100 To 250, Deduct		-2.62	
	For >250 To 500, Deduct		-3.28	
	For >500, Deduct		-3.94	
05 05 23 00-0656	EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		33.34	
	For >100 To 250, Deduct		-2.67	
	For >250 To 500, Deduct		-3.34	
	For >500, Deduct		-4.01	
05 05 23 00-0657	EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		37.62	
	For >100 To 250, Deduct		-2.67	
	For >250 To 500, Deduct		-3.34	
	For >500, Deduct		-4.01	
05 05 23 00-0658	EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		38.36	
	For >100 To 250, Deduct		-2.67	
	For >250 To 500, Deduct		-3.34	
	For >500, Deduct		-4.01	
05 05 23 00-0659	EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		40.89	
	For >100 To 250, Deduct		-2.72	
	For >250 To 500, Deduct		-3.40	
	For >500, Deduct		-4.08	
05 05 23 00-0660	EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		42.13	
	For >100 To 250, Deduct		-2.72	
	For >250 To 500, Deduct		-3.40	
	For >500, Deduct		-4.08	
05 05 23 00-0661	EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		45.39	
	For >100 To 250, Deduct		-2.72	
	For >250 To 500, Deduct		-3.40	
	For >500, Deduct		-4.08	
05 05 23 00-0662	EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		47.38	
	For >100 To 250, Deduct		-2.72	
	For >250 To 500, Deduct		-3.40	
	For >500, Deduct		-4.08	
05 05 23 00-0663	Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0106)			
05 05 23 00-0664	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0663)			
05 05 23 00-0665	EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....		8.98	
	For >100 To 250, Deduct		-1.73	
	For >250 To 500, Deduct		-2.17	
	For >500, Deduct		-2.60	
05 05 23 00-0666	EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.00	
	For >100 To 250, Deduct		-1.73	
	For >250 To 500, Deduct		-2.17	
	For >500, Deduct		-2.60	
05 05 23 00-0667	EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.02	
	For >100 To 250, Deduct		-1.73	
	For >250 To 500, Deduct		-2.17	
	For >500, Deduct		-2.60	
05 05 23 00-0668	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.25	
	For >100 To 250, Deduct		-1.73	
	For >250 To 500, Deduct		-2.17	
	For >500, Deduct		-2.60	
05 05 23 00-0669	EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.62	
	For >100 To 250, Deduct		-1.78	
	For >250 To 500, Deduct		-2.23	
	For >500, Deduct		-2.67	
05 05 23 00-0670	EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.75	
	For >100 To 250, Deduct		-1.78	
	For >250 To 500, Deduct		-2.23	
	For >500, Deduct		-2.67	
05 05 23 00-0671	EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....		9.81	
	For >100 To 250, Deduct		-1.78	
	For >250 To 500, Deduct		-2.23	
	For >500, Deduct		-2.67	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0672 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.07	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0673 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.24	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0674 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.28	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0675 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.63	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0676 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.77	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0677 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.82	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0678 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.20	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.90	
05 05 23 00-0679 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.90	
05 05 23 00-0680 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.08	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.41	
For >500, Deduct	-2.90	
05 05 23 00-0681 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0683)		
05 05 23 00-0682 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0683 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.33	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0684 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.36	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0685 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.38	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0686 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.83	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0687 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.26	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0688 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.33	
For >100 To 250, Deduct	-1.78	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-2.67	
05 05 23 00-0689 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.70	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0690 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.74	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0691 EA 5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.08	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0692 EA 5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.41	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0693	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.54	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0694	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.86	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0695	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.76	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-0696	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.27	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-0697	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.75	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-0698 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts					
			(05 05 23 00-0663)		
05 05 23 00-0699	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.01	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-0700	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.12	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-0701	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.23	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-0702	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.50	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-0703	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.87	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0704	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0705	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.26	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0706	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.73	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-0707	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.84	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-0708	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.11	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-0709	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.47	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0710	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.85	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0711	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.91	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0712	EA		3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.19	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-0713	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.23	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0714	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.67	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.90	
05 05 23 00-0715 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0663)					
05 05 23 00-0716	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.97	
05 05 23 00-0717	EA		7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.41	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.97	
05 05 23 00-0718	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.79	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.97	
05 05 23 00-0719	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.66	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.04	
05 05 23 00-0720	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.69	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.04	
05 05 23 00-0721	EA		7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.73	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.04	
05 05 23 00-0722	EA		7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.29	
			<i>For >100 To 250, Deduct</i>	-2.08	
			<i>For >250 To 500, Deduct</i>	-2.60	
			<i>For >500, Deduct</i>	-3.12	
05 05 23 00-0723	EA		7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.64	
			<i>For >100 To 250, Deduct</i>	-2.08	
			<i>For >250 To 500, Deduct</i>	-2.60	
			<i>For >500, Deduct</i>	-3.12	
05 05 23 00-0724	EA		7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.95	
			<i>For >100 To 250, Deduct</i>	-2.08	
			<i>For >250 To 500, Deduct</i>	-2.60	
			<i>For >500, Deduct</i>	-3.12	
05 05 23 00-0725	EA		7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.55	
			<i>For >100 To 250, Deduct</i>	-2.13	
			<i>For >250 To 500, Deduct</i>	-2.66	
			<i>For >500, Deduct</i>	-3.19	
05 05 23 00-0726	EA		7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.91	
			<i>For >100 To 250, Deduct</i>	-2.13	
			<i>For >250 To 500, Deduct</i>	-2.66	
			<i>For >500, Deduct</i>	-3.19	
05 05 23 00-0727 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0663)					
05 05 23 00-0728	EA		1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.71	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.97	
05 05 23 00-0729	EA		1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.87	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.97	
05 05 23 00-0730	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.19	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.97	
05 05 23 00-0731	EA		1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.80	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.04	
05 05 23 00-0732	EA		1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.04	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.04	
05 05 23 00-0733	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.50	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.04	
05 05 23 00-0734	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82	
			<i>For >100 To 250, Deduct</i>	-2.08	
			<i>For >250 To 500, Deduct</i>	-2.60	
			<i>For >500, Deduct</i>	-3.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0735 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.99	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0736 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.35	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0737 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.77	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.19	
05 05 23 00-0738 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.17	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.19	
05 05 23 00-0739 EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.21	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.19	
05 05 23 00-0740 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.54	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0741 EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.64	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0742 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.95	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.27	
05 05 23 00-0743 EA 1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.65	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0744 EA 1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.90	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0745 EA 1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.95	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0746 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.09	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0747 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0663)		
05 05 23 00-0748 EA 5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.52	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0749 EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.77	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0750 EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.94	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-3.34	
05 05 23 00-0751 EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.45	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.41	
05 05 23 00-0752 EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.81	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.41	
05 05 23 00-0753 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.62	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.41	
05 05 23 00-0754 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.99	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.91	
For >500, Deduct	-3.49	
05 05 23 00-0755 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.14	
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-2.91	
For >500, Deduct	-3.49	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0756	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	15.38	
		For >100 To 250, Deduct		-2.33	
		For >250 To 500, Deduct		-2.91	
		For >500, Deduct		-3.49	
05 05 23 00-0757	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	15.95	
		For >100 To 250, Deduct		-2.37	
		For >250 To 500, Deduct		-2.97	
		For >500, Deduct		-3.56	
05 05 23 00-0758	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	16.23	
		For >100 To 250, Deduct		-2.37	
		For >250 To 500, Deduct		-2.97	
		For >500, Deduct		-3.56	
05 05 23 00-0759	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	17.06	
		For >100 To 250, Deduct		-2.37	
		For >250 To 500, Deduct		-2.97	
		For >500, Deduct		-3.56	
05 05 23 00-0760	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	17.36	
		For >100 To 250, Deduct		-2.42	
		For >250 To 500, Deduct		-3.03	
		For >500, Deduct		-3.64	
05 05 23 00-0761	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	18.81	
		For >100 To 250, Deduct		-2.42	
		For >250 To 500, Deduct		-3.03	
		For >500, Deduct		-3.64	
05 05 23 00-0762	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	19.24	
		For >100 To 250, Deduct		-2.42	
		For >250 To 500, Deduct		-3.03	
		For >500, Deduct		-3.64	
05 05 23 00-0763	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	20.11	
		For >100 To 250, Deduct		-2.48	
		For >250 To 500, Deduct		-3.10	
		For >500, Deduct		-3.71	
05 05 23 00-0764	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	20.79	
		For >100 To 250, Deduct		-2.48	
		For >250 To 500, Deduct		-3.10	
		For >500, Deduct		-3.71	
05 05 23 00-0765	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	22.36	
		For >100 To 250, Deduct		-2.48	
		For >250 To 500, Deduct		-3.10	
		For >500, Deduct		-3.71	
05 05 23 00-0766	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	22.47	
		For >100 To 250, Deduct		-2.48	
		For >250 To 500, Deduct		-3.10	
		For >500, Deduct		-3.71	
05 05 23 00-0767 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts					
		(05 05 23 00-0663)			
05 05 23 00-0768	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	13.70	
		For >100 To 250, Deduct		-2.23	
		For >250 To 500, Deduct		-2.79	
		For >500, Deduct		-3.34	
05 05 23 00-0769	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	13.75	
		For >100 To 250, Deduct		-2.23	
		For >250 To 500, Deduct		-2.79	
		For >500, Deduct		-3.34	
05 05 23 00-0770	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	14.05	
		For >100 To 250, Deduct		-2.23	
		For >250 To 500, Deduct		-2.79	
		For >500, Deduct		-3.34	
05 05 23 00-0771	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	14.96	
		For >100 To 250, Deduct		-2.28	
		For >250 To 500, Deduct		-2.85	
		For >500, Deduct		-3.41	
05 05 23 00-0772	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	16.09	
		For >100 To 250, Deduct		-2.28	
		For >250 To 500, Deduct		-2.85	
		For >500, Deduct		-3.41	
05 05 23 00-0773	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	16.82	
		For >100 To 250, Deduct		-2.28	
		For >250 To 500, Deduct		-2.85	
		For >500, Deduct		-3.41	
05 05 23 00-0774	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	17.45	
		For >100 To 250, Deduct		-2.33	
		For >250 To 500, Deduct		-2.91	
		For >500, Deduct		-3.49	
05 05 23 00-0775	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	17.52	
		For >100 To 250, Deduct		-2.33	
		For >250 To 500, Deduct		-2.91	
		For >500, Deduct		-3.49	
05 05 23 00-0776	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	17.67	
		For >100 To 250, Deduct		-2.33	
		For >250 To 500, Deduct		-2.91	
		For >500, Deduct		-3.49	



		Metals	05	05
		Common Work Results for Metals	05 05	
		Metal Fastenings	05 05 23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0777	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	18.02	
		For >100 To 250, Deduct	.....	-2.37	
		For >250 To 500, Deduct	.....	-2.97	
		For >500, Deduct	.....	-3.56	
05 05 23 00-0778	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	18.97	
		For >100 To 250, Deduct	.....	-2.37	
		For >250 To 500, Deduct	.....	-2.97	
		For >500, Deduct	.....	-3.56	
05 05 23 00-0779	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	19.38	
		For >100 To 250, Deduct	.....	-2.37	
		For >250 To 500, Deduct	.....	-2.97	
		For >500, Deduct	.....	-3.56	
05 05 23 00-0780	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	20.40	
		For >100 To 250, Deduct	.....	-2.42	
		For >250 To 500, Deduct	.....	-3.03	
		For >500, Deduct	.....	-3.64	
05 05 23 00-0781	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	20.53	
		For >100 To 250, Deduct	.....	-2.42	
		For >250 To 500, Deduct	.....	-3.03	
		For >500, Deduct	.....	-3.64	
05 05 23 00-0782	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	20.92	
		For >100 To 250, Deduct	.....	-2.42	
		For >250 To 500, Deduct	.....	-3.03	
		For >500, Deduct	.....	-3.64	
05 05 23 00-0783	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	21.76	
		For >100 To 250, Deduct	.....	-2.48	
		For >250 To 500, Deduct	.....	-3.10	
		For >500, Deduct	.....	-3.71	
05 05 23 00-0784	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	22.18	
		For >100 To 250, Deduct	.....	-2.48	
		For >250 To 500, Deduct	.....	-3.10	
		For >500, Deduct	.....	-3.71	
05 05 23 00-0785	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	22.41	
		For >100 To 250, Deduct	.....	-2.48	
		For >250 To 500, Deduct	.....	-3.10	
		For >500, Deduct	.....	-3.71	
05 05 23 00-0786	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	22.53	
		For >100 To 250, Deduct	.....	-2.48	
		For >250 To 500, Deduct	.....	-3.10	
		For >500, Deduct	.....	-3.71	

05 05 23 00-0787 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0663)

05 05 23 00-0788	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	17.28	
		For >100 To 250, Deduct	.....	-2.48	
		For >250 To 500, Deduct	.....	-3.10	
		For >500, Deduct	.....	-3.71	
05 05 23 00-0789	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	17.75	
		For >100 To 250, Deduct	.....	-2.48	
		For >250 To 500, Deduct	.....	-3.10	
		For >500, Deduct	.....	-3.71	
05 05 23 00-0790	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	18.25	
		For >100 To 250, Deduct	.....	-2.52	
		For >250 To 500, Deduct	.....	-3.16	
		For >500, Deduct	.....	-3.79	
05 05 23 00-0791	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	20.67	
		For >100 To 250, Deduct	.....	-2.52	
		For >250 To 500, Deduct	.....	-3.16	
		For >500, Deduct	.....	-3.79	
05 05 23 00-0792	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	21.03	
		For >100 To 250, Deduct	.....	-2.52	
		For >250 To 500, Deduct	.....	-3.16	
		For >500, Deduct	.....	-3.79	
05 05 23 00-0793	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	21.75	
		For >100 To 250, Deduct	.....	-2.57	
		For >250 To 500, Deduct	.....	-3.22	
		For >500, Deduct	.....	-3.86	
05 05 23 00-0794	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	22.25	
		For >100 To 250, Deduct	.....	-2.57	
		For >250 To 500, Deduct	.....	-3.22	
		For >500, Deduct	.....	-3.86	
05 05 23 00-0795	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	22.90	
		For >100 To 250, Deduct	.....	-2.57	
		For >250 To 500, Deduct	.....	-3.22	
		For >500, Deduct	.....	-3.86	
05 05 23 00-0796	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	23.60	
		For >100 To 250, Deduct	.....	-2.62	
		For >250 To 500, Deduct	.....	-3.28	
		For >500, Deduct	.....	-3.94	
05 05 23 00-0797	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	.....	24.11	
		For >100 To 250, Deduct	.....	-2.62	
		For >250 To 500, Deduct	.....	-3.28	
		For >500, Deduct	.....	-3.94	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0798 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.11	
For>100 To 250, Deduct	-2.62	
For>250 To 500, Deduct	-3.28	
For>500, Deduct	-3.94	
05 05 23 00-0799 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.90	
For>100 To 250, Deduct	-2.67	
For>250 To 500, Deduct	-3.34	
For>500, Deduct	-4.01	
05 05 23 00-0800 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.83	
For>100 To 250, Deduct	-2.67	
For>250 To 500, Deduct	-3.34	
For>500, Deduct	-4.01	
05 05 23 00-0801 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.05	
For>100 To 250, Deduct	-2.67	
For>250 To 500, Deduct	-3.34	
For>500, Deduct	-4.01	
05 05 23 00-0802 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.56	
For>100 To 250, Deduct	-2.72	
For>250 To 500, Deduct	-3.40	
For>500, Deduct	-4.08	
05 05 23 00-0803 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.08	
For>100 To 250, Deduct	-2.72	
For>250 To 500, Deduct	-3.40	
For>500, Deduct	-4.08	
05 05 23 00-0804 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.73	
For>100 To 250, Deduct	-2.72	
For>250 To 500, Deduct	-3.40	
For>500, Deduct	-4.08	
05 05 23 00-0805 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.33	
For>100 To 250, Deduct	-2.72	
For>250 To 500, Deduct	-3.40	
For>500, Deduct	-4.08	
05 05 23 00-0806 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0663)		
05 05 23 00-0807 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.53	
For>100 To 250, Deduct	-2.48	
For>250 To 500, Deduct	-3.10	
For>500, Deduct	-3.71	
05 05 23 00-0808 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.91	
For>100 To 250, Deduct	-2.52	
For>250 To 500, Deduct	-3.16	
For>500, Deduct	-3.79	
05 05 23 00-0809 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.78	
For>100 To 250, Deduct	-2.52	
For>250 To 500, Deduct	-3.16	
For>500, Deduct	-3.79	
05 05 23 00-0810 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.47	
For>100 To 250, Deduct	-2.52	
For>250 To 500, Deduct	-3.16	
For>500, Deduct	-3.79	
05 05 23 00-0811 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.28	
For>100 To 250, Deduct	-2.57	
For>250 To 500, Deduct	-3.22	
For>500, Deduct	-3.86	
05 05 23 00-0812 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.63	
For>100 To 250, Deduct	-2.57	
For>250 To 500, Deduct	-3.22	
For>500, Deduct	-3.86	
05 05 23 00-0813 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.64	
For>100 To 250, Deduct	-2.57	
For>250 To 500, Deduct	-3.22	
For>500, Deduct	-3.86	
05 05 23 00-0814 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.00	
For>100 To 250, Deduct	-2.62	
For>250 To 500, Deduct	-3.28	
For>500, Deduct	-3.94	
05 05 23 00-0815 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.37	
For>100 To 250, Deduct	-2.62	
For>250 To 500, Deduct	-3.28	
For>500, Deduct	-3.94	
05 05 23 00-0816 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.80	
For>100 To 250, Deduct	-2.62	
For>250 To 500, Deduct	-3.28	
For>500, Deduct	-3.94	
05 05 23 00-0817 EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.69	
For>100 To 250, Deduct	-2.67	
For>250 To 500, Deduct	-3.34	
For>500, Deduct	-4.01	
05 05 23 00-0818 EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.12	
For>100 To 250, Deduct	-2.67	
For>250 To 500, Deduct	-3.34	
For>500, Deduct	-4.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0819	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.55	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-3.34	
			For >500, Deduct	-4.01	
05 05 23 00-0820	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.22	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0821	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.38	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0822	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.26	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0823	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.55	
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-3.40	
			For >500, Deduct	-4.08	
05 05 23 00-0824			304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0106)		
05 05 23 00-0825			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)		
05 05 23 00-0826	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.94	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-0827	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.05	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-0828	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.18	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-0829	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.32	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-0830	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.72	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0831	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.94	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0832	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.20	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0833	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.63	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-0834	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.95	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-0835	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.24	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-0836	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.72	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0837	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.19	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0838	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.92	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0839	EA		1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.96	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-0840	EA		1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.23	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0841	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.88	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0842 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)				
05 05 23 00-0843	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.13	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0844	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0845	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0846	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.60	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0847	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.15	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0848	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0849	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.79	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0850	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0851	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0852	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.31	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-2.75	
05 05 23 00-0853	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.47	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0854	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.96	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0855	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.37	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-2.35	
		For >500, Deduct	-2.82	
05 05 23 00-0856	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.13	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-2.90	
05 05 23 00-0857 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)				
05 05 23 00-0858	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0859	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.51	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0860	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.84	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	
05 05 23 00-0861	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	-1.73	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.60	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0862	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.70	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0863	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.03	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0864	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.47	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0865	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.10	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-0866	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.61	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-0867	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.73	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-0868	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.11	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0869	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.03	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0870	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.01	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-0871	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.72	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-0872	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.00	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-0873	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.98	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-0874			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)		
05 05 23 00-0875	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.68	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0876	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.81	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0877	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.34	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-0878	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.89	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0879	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.52	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0880	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.56	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0881	EA		7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.29	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0882	EA		7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.52	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0883	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.06	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0884	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.98	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0885	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.85	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0886	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.10	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0887	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.58	
		For >100 To 250, Deduct	-2.18	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.27	
05 05 23 00-0888 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)				
05 05 23 00-0889	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-0890	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.81	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-0891	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.64	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-0892	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0893	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0894	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.35	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0895	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.10	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0896	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.46	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0897	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.41	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0898	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.20	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0899	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.08	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0900	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.09	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0901	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.82	
		For >100 To 250, Deduct	-2.18	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.27	
05 05 23 00-0902	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.41	
		For >100 To 250, Deduct	-2.18	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.27	
05 05 23 00-0903	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.35	
		For >100 To 250, Deduct	-2.18	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0904	EA	1/2"	Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	28.21 -2.23 -2.79 -3.34	
05 05 23 00-0905	EA	1/2"	Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	28.58 -2.23 -2.79 -3.34	
05 05 23 00-0906	EA	1/2"	Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	31.18 -2.23 -2.79 -3.34	
05 05 23 00-0907	EA	1/2"	Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	33.77 -2.23 -2.79 -3.34	
05 05 23 00-0908			9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)		
05 05 23 00-0909	EA	9/16"	Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	15.97 -1.98 -2.48 -2.97	
05 05 23 00-0910	EA	9/16"	Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	17.67 -1.98 -2.48 -2.97	
05 05 23 00-0911	EA	9/16"	Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	20.66 -1.98 -2.48 -2.97	
05 05 23 00-0912	EA	9/16"	Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	21.50 -2.03 -2.54 -3.04	
05 05 23 00-0913	EA	9/16"	Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	22.56 -2.03 -2.54 -3.04	
05 05 23 00-0914	EA	9/16"	Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	24.41 -2.03 -2.54 -3.04	
05 05 23 00-0915	EA	9/16"	Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	27.38 -2.08 -2.60 -3.12	
05 05 23 00-0916	EA	9/16"	Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	27.80 -2.08 -2.60 -3.12	
05 05 23 00-0917	EA	9/16"	Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	31.72 -2.08 -2.60 -3.12	
05 05 23 00-0918	EA	9/16"	Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	33.81 -2.13 -2.66 -3.19	
05 05 23 00-0919	EA	9/16"	Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	35.90 -2.13 -2.66 -3.19	
05 05 23 00-0920			5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)		
05 05 23 00-0921	EA	5/8"	Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	14.35 -2.23 -2.79 -3.34	
05 05 23 00-0922	EA	5/8"	Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	14.74 -2.23 -2.79 -3.34	
05 05 23 00-0923	EA	5/8"	Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	16.37 -2.23 -2.79 -3.34	
05 05 23 00-0924	EA	5/8"	Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	16.88 -2.28 -2.85 -3.41	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0925	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.66	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.41	
05 05 23 00-0926	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.76	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.41	
05 05 23 00-0927	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.40	
		For >100 To 250, Deduct	-2.33	
		For >250 To 500, Deduct	-2.91	
		For >500, Deduct	-3.49	
05 05 23 00-0928	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.42	
		For >100 To 250, Deduct	-2.33	
		For >250 To 500, Deduct	-2.91	
		For >500, Deduct	-3.49	
05 05 23 00-0929	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.66	
		For >100 To 250, Deduct	-2.33	
		For >250 To 500, Deduct	-2.91	
		For >500, Deduct	-3.49	
05 05 23 00-0930	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.60	
		For >100 To 250, Deduct	-2.37	
		For >250 To 500, Deduct	-2.97	
		For >500, Deduct	-3.56	
05 05 23 00-0931	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.72	
		For >100 To 250, Deduct	-2.37	
		For >250 To 500, Deduct	-2.97	
		For >500, Deduct	-3.56	
05 05 23 00-0932	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.82	
		For >100 To 250, Deduct	-2.37	
		For >250 To 500, Deduct	-2.97	
		For >500, Deduct	-3.56	
05 05 23 00-0933	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.31	
		For >100 To 250, Deduct	-2.42	
		For >250 To 500, Deduct	-3.03	
		For >500, Deduct	-3.64	
05 05 23 00-0934	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.16	
		For >100 To 250, Deduct	-2.42	
		For >250 To 500, Deduct	-3.03	
		For >500, Deduct	-3.64	
05 05 23 00-0935	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.00	
		For >100 To 250, Deduct	-2.42	
		For >250 To 500, Deduct	-3.03	
		For >500, Deduct	-3.64	
05 05 23 00-0936	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.68	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0937	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.77	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0938	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.65	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0939	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.65	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-0940		3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)		
05 05 23 00-0941	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.13	
		For >100 To 250, Deduct	-2.23	
		For >250 To 500, Deduct	-2.79	
		For >500, Deduct	-3.34	
05 05 23 00-0942	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.89	
		For >100 To 250, Deduct	-2.23	
		For >250 To 500, Deduct	-2.79	
		For >500, Deduct	-3.34	
05 05 23 00-0943	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.90	
		For >100 To 250, Deduct	-2.23	
		For >250 To 500, Deduct	-2.79	
		For >500, Deduct	-3.34	
05 05 23 00-0944	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.23	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.41	
05 05 23 00-0945	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.33	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0946	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.20	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.41	
05 05 23 00-0947	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.56	
			For >100 To 250, Deduct	-2.33	
			For >250 To 500, Deduct	-2.91	
			For >500, Deduct	-3.49	
05 05 23 00-0948	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.29	
			For >100 To 250, Deduct	-2.33	
			For >250 To 500, Deduct	-2.91	
			For >500, Deduct	-3.49	
05 05 23 00-0949	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.68	
			For >100 To 250, Deduct	-2.33	
			For >250 To 500, Deduct	-2.91	
			For >500, Deduct	-3.49	
05 05 23 00-0950	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.36	
			For >100 To 250, Deduct	-2.37	
			For >250 To 500, Deduct	-2.97	
			For >500, Deduct	-3.56	
05 05 23 00-0951	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.97	
			For >100 To 250, Deduct	-2.37	
			For >250 To 500, Deduct	-2.97	
			For >500, Deduct	-3.56	
05 05 23 00-0952	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.00	
			For >100 To 250, Deduct	-2.37	
			For >250 To 500, Deduct	-2.97	
			For >500, Deduct	-3.56	
05 05 23 00-0953	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.31	
			For >100 To 250, Deduct	-2.42	
			For >250 To 500, Deduct	-3.03	
			For >500, Deduct	-3.64	
05 05 23 00-0954	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.88	
			For >100 To 250, Deduct	-2.42	
			For >250 To 500, Deduct	-3.03	
			For >500, Deduct	-3.64	
05 05 23 00-0955	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.38	
			For >100 To 250, Deduct	-2.42	
			For >250 To 500, Deduct	-3.03	
			For >500, Deduct	-3.64	
05 05 23 00-0956	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.89	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0957	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.76	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0958	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.11	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0959	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.92	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0960			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)		
05 05 23 00-0961	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.15	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0962	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.05	
			For >100 To 250, Deduct	-2.48	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-3.71	
05 05 23 00-0963	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.74	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0964	EA		7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.67	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0965	EA		7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.30	
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.16	
			For >500, Deduct	-3.79	
05 05 23 00-0966	EA		7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.13	
			For >100 To 250, Deduct	-2.57	
			For >250 To 500, Deduct	-3.22	
			For >500, Deduct	-3.86	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0967 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.75	
For >100 To 250, Deduct	-2.57	
For >250 To 500, Deduct	-3.22	
For >500, Deduct	-3.86	
05 05 23 00-0968 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.95	
For >100 To 250, Deduct	-2.57	
For >250 To 500, Deduct	-3.22	
For >500, Deduct	-3.86	
05 05 23 00-0969 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.82	
For >100 To 250, Deduct	-2.62	
For >250 To 500, Deduct	-3.28	
For >500, Deduct	-3.94	
05 05 23 00-0970 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.44	
For >100 To 250, Deduct	-2.62	
For >250 To 500, Deduct	-3.28	
For >500, Deduct	-3.94	
05 05 23 00-0971 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.33	
For >100 To 250, Deduct	-2.62	
For >250 To 500, Deduct	-3.28	
For >500, Deduct	-3.94	
05 05 23 00-0972 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.98	
For >100 To 250, Deduct	-2.67	
For >250 To 500, Deduct	-3.34	
For >500, Deduct	-4.01	
05 05 23 00-0973 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.97	
For >100 To 250, Deduct	-2.67	
For >250 To 500, Deduct	-3.34	
For >500, Deduct	-4.01	
05 05 23 00-0974 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.18	
For >100 To 250, Deduct	-2.67	
For >250 To 500, Deduct	-3.34	
For >500, Deduct	-4.01	
05 05 23 00-0975 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.19	
For >100 To 250, Deduct	-2.72	
For >250 To 500, Deduct	-3.40	
For >500, Deduct	-4.08	
05 05 23 00-0976 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	75.01	
For >100 To 250, Deduct	-2.72	
For >250 To 500, Deduct	-3.40	
For >500, Deduct	-4.08	
05 05 23 00-0977 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	78.63	
For >100 To 250, Deduct	-2.72	
For >250 To 500, Deduct	-3.40	
For >500, Deduct	-4.08	
05 05 23 00-0978 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	82.23	
For >100 To 250, Deduct	-2.72	
For >250 To 500, Deduct	-3.40	
For >500, Deduct	-4.08	
05 05 23 00-0979 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0824)	26.76	
05 05 23 00-0980 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.76	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0981 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.15	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.71	
05 05 23 00-0982 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.45	
For >100 To 250, Deduct	-2.52	
For >250 To 500, Deduct	-3.16	
For >500, Deduct	-3.79	
05 05 23 00-0983 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.20	
For >100 To 250, Deduct	-2.52	
For >250 To 500, Deduct	-3.16	
For >500, Deduct	-3.79	
05 05 23 00-0984 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.07	
For >100 To 250, Deduct	-2.52	
For >250 To 500, Deduct	-3.16	
For >500, Deduct	-3.79	
05 05 23 00-0985 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.55	
For >100 To 250, Deduct	-2.57	
For >250 To 500, Deduct	-3.22	
For >500, Deduct	-3.86	
05 05 23 00-0986 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.55	
For >100 To 250, Deduct	-2.57	
For >250 To 500, Deduct	-3.22	
For >500, Deduct	-3.86	
05 05 23 00-0987 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.51	
For >100 To 250, Deduct	-2.57	
For >250 To 500, Deduct	-3.22	
For >500, Deduct	-3.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0988	EA	1"	Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	46.54 -2.62 -3.28 -3.94	
05 05 23 00-0989	EA	1"	Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	46.70 -2.62 -3.28 -3.94	
05 05 23 00-0990	EA	1"	Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	54.64 -2.62 -3.28 -3.94	
05 05 23 00-0991	EA	1"	Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	64.92 -2.67 -3.34 -4.01	
05 05 23 00-0992	EA	1"	Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	66.42 -2.67 -3.34 -4.01	
05 05 23 00-0993	EA	1"	Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	67.91 -2.67 -3.34 -4.01	
05 05 23 00-0994	EA	1"	Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	71.15 -2.72 -3.40 -4.08	
05 05 23 00-0995	EA	1"	Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	75.74 -2.72 -3.40 -4.08	
05 05 23 00-0996	EA	1"	Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	96.56 -2.72 -3.40 -4.08	
05 05 23 00-0997	EA	1"	Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	120.82 -2.72 -3.40 -4.08	
05 05 23 00-0998			316 Stainless Steel, Hex Head Bolts (05 05 23 00-0106)		
05 05 23 00-0999			1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)		
05 05 23 00-1000	EA	1/2"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.14 -1.73 -2.17 -2.60	
05 05 23 00-1001	EA	1"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.36 -1.73 -2.17 -2.60	
05 05 23 00-1002	EA	1-1/2"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.52 -1.73 -2.17 -2.60	
05 05 23 00-1003	EA	2"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.63 -1.73 -2.17 -2.60	
05 05 23 00-1004	EA	2-1/2"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	10.19 -1.78 -2.23 -2.67	
05 05 23 00-1005	EA	3"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	10.48 -1.78 -2.23 -2.67	
05 05 23 00-1006	EA	3-1/2"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	10.76 -1.78 -2.23 -2.67	
05 05 23 00-1007	EA	4"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	11.24 -1.83 -2.29 -2.75	
05 05 23 00-1008	EA	4-1/2"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	11.48 -1.83 -2.29 -2.75	
05 05 23 00-1009	EA	5"	Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	11.58 -1.83 -2.29 -2.75	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1010	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.55	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1011	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.75	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1012	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	20.04	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1013	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	29.12	
		<i>For >100 To 250, Deduct</i>	-1.93	
		<i>For >250 To 500, Deduct</i>	-2.41	
		<i>For >500, Deduct</i>	-2.90	
05 05 23 00-1014	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	48.58	
		<i>For >100 To 250, Deduct</i>	-1.93	
		<i>For >250 To 500, Deduct</i>	-2.41	
		<i>For >500, Deduct</i>	-2.90	
05 05 23 00-1015	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	53.02	
		<i>For >100 To 250, Deduct</i>	-1.93	
		<i>For >250 To 500, Deduct</i>	-2.41	
		<i>For >500, Deduct</i>	-2.90	
05 05 23 00-1016 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)				
05 05 23 00-1017	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.44	
		<i>For >100 To 250, Deduct</i>	-1.73	
		<i>For >250 To 500, Deduct</i>	-2.17	
		<i>For >500, Deduct</i>	-2.60	
05 05 23 00-1018	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.69	
		<i>For >100 To 250, Deduct</i>	-1.73	
		<i>For >250 To 500, Deduct</i>	-2.17	
		<i>For >500, Deduct</i>	-2.60	
05 05 23 00-1019	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.11	
		<i>For >100 To 250, Deduct</i>	-1.73	
		<i>For >250 To 500, Deduct</i>	-2.17	
		<i>For >500, Deduct</i>	-2.60	
05 05 23 00-1020	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.42	
		<i>For >100 To 250, Deduct</i>	-1.73	
		<i>For >250 To 500, Deduct</i>	-2.17	
		<i>For >500, Deduct</i>	-2.60	
05 05 23 00-1021	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.81	
		<i>For >100 To 250, Deduct</i>	-1.78	
		<i>For >250 To 500, Deduct</i>	-2.23	
		<i>For >500, Deduct</i>	-2.67	
05 05 23 00-1022	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.45	
		<i>For >100 To 250, Deduct</i>	-1.78	
		<i>For >250 To 500, Deduct</i>	-2.23	
		<i>For >500, Deduct</i>	-2.67	
05 05 23 00-1023	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.90	
		<i>For >100 To 250, Deduct</i>	-1.78	
		<i>For >250 To 500, Deduct</i>	-2.23	
		<i>For >500, Deduct</i>	-2.67	
05 05 23 00-1024	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.34	
		<i>For >100 To 250, Deduct</i>	-1.83	
		<i>For >250 To 500, Deduct</i>	-2.29	
		<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1025	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.30	
		<i>For >100 To 250, Deduct</i>	-1.83	
		<i>For >250 To 500, Deduct</i>	-2.29	
		<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1026	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.49	
		<i>For >100 To 250, Deduct</i>	-1.83	
		<i>For >250 To 500, Deduct</i>	-2.29	
		<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1027	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.41	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1028	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	15.15	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1029	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.36	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1030	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	30.42	
		<i>For >100 To 250, Deduct</i>	-1.93	
		<i>For >250 To 500, Deduct</i>	-2.41	
		<i>For >500, Deduct</i>	-2.90	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1031			3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)		
05 05 23 00-1032	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.10	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-1033	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.20	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-1034	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.59	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-1035	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.51	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.60	
05 05 23 00-1036	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.09	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1037	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.26	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1038	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.07	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1039	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.43	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-1040	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.94	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-1041	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.29	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.29	
			For >500, Deduct	-2.75	
05 05 23 00-1042	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.65	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-1043	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.01	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-1044	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.07	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-1045	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	20.77	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-1046	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.39	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-1047	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	32.46	
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.41	
			For >500, Deduct	-2.90	
05 05 23 00-1048			7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)		
05 05 23 00-1049	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.89	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-1050	EA		7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.47	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-1051	EA		7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.56	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-1052	EA		7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.74	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1053	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.79	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-1054	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.51	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-1055	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	20.40	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-1056	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.70	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-1057	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	21.33	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-1058	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.00	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-1059	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	22.45	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-1060	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.90	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-1061	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	23.50	
		For >100 To 250, Deduct	-2.18	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.27	
05 05 23 00-1062		1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)		
05 05 23 00-1063	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.86	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-1064	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.49	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-1065	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.37	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-2.48	
		For >500, Deduct	-2.97	
05 05 23 00-1066	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.66	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-1067	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.63	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-1068	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.87	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-1069	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.52	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-1070	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.39	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-1071	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	23.18	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-1072	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.72	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-1073	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	24.32	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1074	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.01	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-1075	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	32.40	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-1076	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.43	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-1077	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	37.79	
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.27	
05 05 23 00-1078	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.94	
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-1079	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	52.67	
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-1080	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.62	
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-1081	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	55.08	
			For >100 To 250, Deduct	-2.23	
			For >250 To 500, Deduct	-2.79	
			For >500, Deduct	-3.34	
05 05 23 00-1082			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)		
05 05 23 00-1083	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	28.58	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-1084	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.64	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-1085	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	37.55	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-2.97	
05 05 23 00-1086	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.66	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-1087	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	45.74	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-1088	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.82	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-1089	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	52.61	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-1090	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.98	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-1091	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	58.96	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-1092	EA		9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.11	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-1093	EA		9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	62.74	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-1094			5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1095 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	17.30 -2.23 -2.79 -3.34	
05 05 23 00-1096 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	17.48 -2.23 -2.79 -3.34	
05 05 23 00-1097 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	17.54 -2.23 -2.79 -3.34	
05 05 23 00-1098 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	18.96 -2.28 -2.85 -3.41	
05 05 23 00-1099 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	20.17 -2.28 -2.85 -3.41	
05 05 23 00-1100 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	24.01 -2.28 -2.85 -3.41	
05 05 23 00-1101 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	25.07 -2.33 -2.91 -3.49	
05 05 23 00-1102 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	28.43 -2.33 -2.91 -3.49	
05 05 23 00-1103 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	29.60 -2.33 -2.91 -3.49	
05 05 23 00-1104 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	32.05 -2.37 -2.97 -3.56	
05 05 23 00-1105 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	33.00 -2.37 -2.97 -3.56	
05 05 23 00-1106 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	38.89 -2.37 -2.97 -3.56	
05 05 23 00-1107 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	41.26 -2.42 -3.03 -3.64	
05 05 23 00-1108 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	42.01 -2.42 -3.03 -3.64	
05 05 23 00-1109 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	44.76 -2.42 -3.03 -3.64	
05 05 23 00-1110 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	47.50 -2.48 -3.10 -3.71	
05 05 23 00-1111 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	49.83 -2.48 -3.10 -3.71	
05 05 23 00-1112 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	60.95 -2.48 -3.10 -3.71	
05 05 23 00-1113 EA 5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	72.84 -2.48 -3.10 -3.71	
05 05 23 00-1114 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)		
05 05 23 00-1115 EA 3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt For>100 To 250, Deduct For>250 To 500, Deduct For>500, Deduct	21.98 -2.23 -2.79 -3.34	



		Metals	05	05
		Common Work Results for Metals	05 05	
		Metal Fastenings	05 05 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1116 EA 3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt 22.39 For >100 To 250, Deduct -2.23 For >250 To 500, Deduct -2.79 For >500, Deduct -3.34		
05 05 23 00-1117 EA 3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt 23.99 For >100 To 250, Deduct -2.23 For >250 To 500, Deduct -2.79 For >500, Deduct -3.34		
05 05 23 00-1118 EA 3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt 25.64 For >100 To 250, Deduct -2.28 For >250 To 500, Deduct -2.85 For >500, Deduct -3.41		
05 05 23 00-1119 EA 3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt 28.63 For >100 To 250, Deduct -2.28 For >250 To 500, Deduct -2.85 For >500, Deduct -3.41		
05 05 23 00-1120 EA 3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt 30.36 For >100 To 250, Deduct -2.28 For >250 To 500, Deduct -2.85 For >500, Deduct -3.41		
05 05 23 00-1121 EA 3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt 34.30 For >100 To 250, Deduct -2.33 For >250 To 500, Deduct -2.91 For >500, Deduct -3.49		
05 05 23 00-1122 EA 3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt 35.83 For >100 To 250, Deduct -2.33 For >250 To 500, Deduct -2.91 For >500, Deduct -3.49		
05 05 23 00-1123 EA 3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt 36.66 For >100 To 250, Deduct -2.33 For >250 To 500, Deduct -2.91 For >500, Deduct -3.49		
05 05 23 00-1124 EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt 38.03 For >100 To 250, Deduct -2.37 For >250 To 500, Deduct -2.97 For >500, Deduct -3.56		
05 05 23 00-1125 EA 3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt 39.94 For >100 To 250, Deduct -2.37 For >250 To 500, Deduct -2.97 For >500, Deduct -3.56		
05 05 23 00-1126 EA 3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt 45.83 For >100 To 250, Deduct -2.37 For >250 To 500, Deduct -2.97 For >500, Deduct -3.56		
05 05 23 00-1127 EA 3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt 54.60 For >100 To 250, Deduct -2.42 For >250 To 500, Deduct -3.03 For >500, Deduct -3.64		
05 05 23 00-1128 EA 3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt 61.23 For >100 To 250, Deduct -2.42 For >250 To 500, Deduct -3.03 For >500, Deduct -3.64		
05 05 23 00-1129 EA 3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt 62.23 For >100 To 250, Deduct -2.42 For >250 To 500, Deduct -3.03 For >500, Deduct -3.64		
05 05 23 00-1130 EA 3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt 66.48 For >100 To 250, Deduct -2.48 For >250 To 500, Deduct -3.10 For >500, Deduct -3.71		
05 05 23 00-1131 EA 3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt 76.54 For >100 To 250, Deduct -2.48 For >250 To 500, Deduct -3.10 For >500, Deduct -3.71		
05 05 23 00-1132 EA 3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt 77.40 For >100 To 250, Deduct -2.48 For >250 To 500, Deduct -3.10 For >500, Deduct -3.71		
05 05 23 00-1133 EA 3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt 79.52 For >100 To 250, Deduct -2.48 For >250 To 500, Deduct -3.10 For >500, Deduct -3.71		
05 05 23 00-1134 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998) 24.74		
05 05 23 00-1135 EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt 24.74 For >100 To 250, Deduct -2.48 For >250 To 500, Deduct -3.10 For >500, Deduct -3.71		
05 05 23 00-1136 EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt 27.51 For >100 To 250, Deduct -2.48 For >250 To 500, Deduct -3.10 For >500, Deduct -3.71		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1137	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.25	
		For >100 To 250, Deduct	-2.52	
		For >250 To 500, Deduct	-3.16	
		For >500, Deduct	-3.79	
05 05 23 00-1138	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	33.13	
		For >100 To 250, Deduct	-2.52	
		For >250 To 500, Deduct	-3.16	
		For >500, Deduct	-3.79	
05 05 23 00-1139	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.86	
		For >100 To 250, Deduct	-2.52	
		For >250 To 500, Deduct	-3.16	
		For >500, Deduct	-3.79	
05 05 23 00-1140	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	36.63	
		For >100 To 250, Deduct	-2.57	
		For >250 To 500, Deduct	-3.22	
		For >500, Deduct	-3.86	
05 05 23 00-1141	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.98	
		For >100 To 250, Deduct	-2.57	
		For >250 To 500, Deduct	-3.22	
		For >500, Deduct	-3.86	
05 05 23 00-1142	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	44.26	
		For >100 To 250, Deduct	-2.57	
		For >250 To 500, Deduct	-3.22	
		For >500, Deduct	-3.86	
05 05 23 00-1143	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.64	
		For >100 To 250, Deduct	-2.62	
		For >250 To 500, Deduct	-3.28	
		For >500, Deduct	-3.94	
05 05 23 00-1144	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	46.39	
		For >100 To 250, Deduct	-2.62	
		For >250 To 500, Deduct	-3.28	
		For >500, Deduct	-3.94	
05 05 23 00-1145	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.16	
		For >100 To 250, Deduct	-2.62	
		For >250 To 500, Deduct	-3.28	
		For >500, Deduct	-3.94	
05 05 23 00-1146	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	67.91	
		For >100 To 250, Deduct	-2.67	
		For >250 To 500, Deduct	-3.34	
		For >500, Deduct	-4.01	
05 05 23 00-1147	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.92	
		For >100 To 250, Deduct	-2.67	
		For >250 To 500, Deduct	-3.34	
		For >500, Deduct	-4.01	
05 05 23 00-1148	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	78.38	
		For >100 To 250, Deduct	-2.67	
		For >250 To 500, Deduct	-3.34	
		For >500, Deduct	-4.01	
05 05 23 00-1149	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	83.11	
		For >100 To 250, Deduct	-2.72	
		For >250 To 500, Deduct	-3.40	
		For >500, Deduct	-4.08	
05 05 23 00-1150	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	86.11	
		For >100 To 250, Deduct	-2.72	
		For >250 To 500, Deduct	-3.40	
		For >500, Deduct	-4.08	
05 05 23 00-1151	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	89.09	
		For >100 To 250, Deduct	-2.72	
		For >250 To 500, Deduct	-3.40	
		For >500, Deduct	-4.08	
05 05 23 00-1152	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	92.44	
		For >100 To 250, Deduct	-2.72	
		For >250 To 500, Deduct	-3.40	
		For >500, Deduct	-4.08	
05 05 23 00-1153		1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)		
05 05 23 00-1154	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	30.82	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.71	
05 05 23 00-1155	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.32	
		For >100 To 250, Deduct	-2.52	
		For >250 To 500, Deduct	-3.16	
		For >500, Deduct	-3.79	
05 05 23 00-1156	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	38.18	
		For >100 To 250, Deduct	-2.52	
		For >250 To 500, Deduct	-3.16	
		For >500, Deduct	-3.79	
05 05 23 00-1157	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.74	
		For >100 To 250, Deduct	-2.52	
		For >250 To 500, Deduct	-3.16	
		For >500, Deduct	-3.79	



		Metals	05	05
		Common Work Results for Metals	05 05	
		Metal Fastenings	05 05 23	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-1158	EA 1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	44.62		
	For >100 To 250, Deduct	-2.57		
	For >250 To 500, Deduct	-3.22		
	For >500, Deduct	-3.86		
05 05 23 00-1159	EA 1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.71		
	For >100 To 250, Deduct	-2.57		
	For >250 To 500, Deduct	-3.22		
	For >500, Deduct	-3.86		
05 05 23 00-1160	EA 1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	50.83		
	For >100 To 250, Deduct	-2.57		
	For >250 To 500, Deduct	-3.22		
	For >500, Deduct	-3.86		
05 05 23 00-1161	EA 1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.22		
	For >100 To 250, Deduct	-2.62		
	For >250 To 500, Deduct	-3.28		
	For >500, Deduct	-3.94		
05 05 23 00-1162	EA 1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	62.29		
	For >100 To 250, Deduct	-2.62		
	For >250 To 500, Deduct	-3.28		
	For >500, Deduct	-3.94		
05 05 23 00-1163	EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	70.24		
	For >100 To 250, Deduct	-2.62		
	For >250 To 500, Deduct	-3.28		
	For >500, Deduct	-3.94		
05 05 23 00-1164	EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	81.36		
	For >100 To 250, Deduct	-2.67		
	For >250 To 500, Deduct	-3.34		
	For >500, Deduct	-4.01		
05 05 23 00-1165	EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	90.51		
	For >100 To 250, Deduct	-2.67		
	For >250 To 500, Deduct	-3.34		
	For >500, Deduct	-4.01		
05 05 23 00-1166	EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	91.83		
	For >100 To 250, Deduct	-2.67		
	For >250 To 500, Deduct	-3.34		
	For >500, Deduct	-4.01		
05 05 23 00-1167	EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	95.07		
	For >100 To 250, Deduct	-2.72		
	For >250 To 500, Deduct	-3.40		
	For >500, Deduct	-4.08		
05 05 23 00-1168	EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	96.32		
	For >100 To 250, Deduct	-2.72		
	For >250 To 500, Deduct	-3.40		
	For >500, Deduct	-4.08		
05 05 23 00-1169	EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	111.51		
	For >100 To 250, Deduct	-2.72		
	For >250 To 500, Deduct	-3.40		
	For >500, Deduct	-4.08		
05 05 23 00-1170	EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	126.17		
	For >100 To 250, Deduct	-2.72		
	For >250 To 500, Deduct	-3.40		
	For >500, Deduct	-4.08		
05 05 23 00-1171	Screws (05 05 23)			
05 05 23 00-1172	Teks® 5 Self Drilling Screws (05 05 23 00-1171)			
	Note: Includes Climaseal® finish, self-drill point and tapping threads.			
05 05 23 00-1173	EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.66		
	For >10 To 50, Deduct	-0.21		
	For >50 To 100, Deduct	-0.43		
	For >100, Deduct	-0.85		
05 05 23 00-1174	EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.85		
	For >10 To 50, Deduct	-0.21		
	For >50 To 100, Deduct	-0.43		
	For >100, Deduct	-0.86		
05 05 23 00-1175	EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.41		
	For >10 To 50, Deduct	-0.22		
	For >50 To 100, Deduct	-0.47		
	For >100, Deduct	-0.93		
05 05 23 00-1176	EA 1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.41		
	For >10 To 50, Deduct	-0.28		
	For >50 To 100, Deduct	-0.60		
	For >100, Deduct	-1.20		
05 05 23 00-1177	EA 1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.91		
	For >10 To 50, Deduct	-0.29		
	For >50 To 100, Deduct	-0.63		
	For >100, Deduct	-1.26		
05 05 23 00-1178	EA 1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.74		
	For >10 To 50, Deduct	-0.30		
	For >50 To 100, Deduct	-0.70		
	For >100, Deduct	-1.39		
05 05 23 00-1179	EA 1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	10.86		
	For >10 To 50, Deduct	-0.32		
	For >50 To 100, Deduct	-0.75		
	For >100, Deduct	-1.49		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1180		Security Screws (05 05 23 00-1171)		
05 05 23 00-1181		304/18-8 Stainless Steel, Security Screws (05 05 23 00-1180) Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1182	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.62	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.35	
		For >100, Deduct	-0.70	
05 05 23 00-1183	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.05	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.36	
		For >100, Deduct	-0.72	
05 05 23 00-1184	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.42	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.37	
		For >100, Deduct	-0.74	
05 05 23 00-1185	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.54	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.37	
		For >100, Deduct	-0.75	
05 05 23 00-1186	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.78	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.38	
		For >100, Deduct	-0.76	
05 05 23 00-1187	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.15	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.36	
		For >100, Deduct	-0.73	
05 05 23 00-1188	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.32	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.37	
		For >100, Deduct	-0.74	
05 05 23 00-1189	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.69	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.38	
		For >100, Deduct	-0.75	
05 05 23 00-1190	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.80	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.38	
		For >100, Deduct	-0.76	
05 05 23 00-1191	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.26	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.37	
		For >100, Deduct	-0.73	
05 05 23 00-1192	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.30	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.37	
		For >100, Deduct	-0.73	
05 05 23 00-1193	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.46	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.37	
		For >100, Deduct	-0.74	
05 05 23 00-1194	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.96	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.38	
		For >100, Deduct	-0.77	
05 05 23 00-1195	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.54	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.37	
		For >100, Deduct	-0.75	
05 05 23 00-1196	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.66	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.38	
		For >100, Deduct	-0.75	
05 05 23 00-1197	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.13	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.39	
		For >100, Deduct	-0.78	
05 05 23 00-1198	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.88	
		For >10 To 50, Deduct	-0.17	
		For >50 To 100, Deduct	-0.41	
		For >100, Deduct	-0.81	
05 05 23 00-1199		Threaded Rod (05 05 23) Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1292 for nuts and washers.		
05 05 23 00-1200		Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1199)		
05 05 23 00-1201	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.39	0.57
		For Left Hand Threaded Rod, Add	0.12	
05 05 23 00-1202	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.14	0.63
		For Left Hand Threaded Rod, Add	0.19	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1203	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.64	0.73
		For Left Hand Threaded Rod, Add	0.22	
05 05 23 00-1204	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.92	0.74
		For Left Hand Threaded Rod, Add	0.34	
05 05 23 00-1205	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.03	0.77
		For Left Hand Threaded Rod, Add	0.35	
05 05 23 00-1206	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.24	0.78
		For Left Hand Threaded Rod, Add	0.47	
05 05 23 00-1207	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.02	0.79
		For Left Hand Threaded Rod, Add	0.54	
05 05 23 00-1208	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.52	0.82
		For Left Hand Threaded Rod, Add	0.99	
05 05 23 00-1209	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.55	0.85
		For Left Hand Threaded Rod, Add	1.09	
05 05 23 00-1210	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.18	0.95
		For Left Hand Threaded Rod, Add	1.53	
05 05 23 00-1211	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.37	1.06
		For Left Hand Threaded Rod, Add	1.93	
05 05 23 00-1212	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.36	1.15
		For Left Hand Threaded Rod, Add	2.60	
05 05 23 00-1213	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	35.28	1.25
		For Left Hand Threaded Rod, Add	3.28	
05 05 23 00-1214	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	42.19	1.30
		For Left Hand Threaded Rod, Add	3.96	
05 05 23 00-1215	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	51.75	1.36
		For Left Hand Threaded Rod, Add	4.90	
05 05 23 00-1216	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	66.09	1.43
		For Left Hand Threaded Rod, Add	6.32	
05 05 23 00-1217 Zinc Plated Steel, Low Carbon Threaded Rod (05 05 23 00-1199)				
05 05 23 00-1218	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.41	0.57
		For Left Hand Threaded Rod, Add	0.13	
05 05 23 00-1219	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.55	0.63
		For Left Hand Threaded Rod, Add	0.23	
05 05 23 00-1220	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.95	0.73
		For Left Hand Threaded Rod, Add	0.25	
05 05 23 00-1221	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.69	0.74
		For Left Hand Threaded Rod, Add	0.42	
05 05 23 00-1222	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.12	0.77
		For Left Hand Threaded Rod, Add	0.46	
05 05 23 00-1223	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.01	0.78
		For Left Hand Threaded Rod, Add	0.65	
05 05 23 00-1224	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.51	0.79
		For Left Hand Threaded Rod, Add	0.69	
05 05 23 00-1225	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	12.80	0.82
		For Left Hand Threaded Rod, Add	1.12	
05 05 23 00-1226	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	16.57	0.85
		For Left Hand Threaded Rod, Add	1.49	
05 05 23 00-1227	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	22.24	0.95
		For Left Hand Threaded Rod, Add	2.03	
05 05 23 00-1228	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	28.70	1.06
		For Left Hand Threaded Rod, Add	2.66	
05 05 23 00-1229	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	34.25	1.15
		For Left Hand Threaded Rod, Add	3.19	
05 05 23 00-1230	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	38.93	1.25
		For Left Hand Threaded Rod, Add	3.64	
05 05 23 00-1231	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	49.01	1.30
		For Left Hand Threaded Rod, Add	4.64	
05 05 23 00-1232	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	60.73	1.36
		For Left Hand Threaded Rod, Add	5.80	
05 05 23 00-1233	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	88.61	1.43
		For Left Hand Threaded Rod, Add	8.58	
05 05 23 00-1234 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod (05 05 23 00-1199)				
05 05 23 00-1235	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	6.50	0.73
		For Left Hand Threaded Rod, Add	0.51	
05 05 23 00-1236	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	9.10	0.77
		For Left Hand Threaded Rod, Add	0.76	
05 05 23 00-1237	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	12.28	0.79
		For Left Hand Threaded Rod, Add	1.07	
05 05 23 00-1238	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	16.86	0.82
		For Left Hand Threaded Rod, Add	1.52	
05 05 23 00-1239	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	23.33	0.85
		For Left Hand Threaded Rod, Add	2.17	
05 05 23 00-1240	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	30.10	0.95
		For Left Hand Threaded Rod, Add	2.82	
05 05 23 00-1241	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	39.60	1.06
		For Left Hand Threaded Rod, Add	3.75	
05 05 23 00-1242	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	52.08	1.15
		For Left Hand Threaded Rod, Add	4.97	
05 05 23 00-1243	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	58.20	1.25
		For Left Hand Threaded Rod, Add	5.57	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1244	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	69.27	1.30
		<i>For Left Hand Threaded Rod, Add</i>	6.67	
05 05 23 00-1245	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	84.17	1.36
		<i>For Left Hand Threaded Rod, Add</i>	8.14	
05 05 23 00-1246	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	146.89	1.43
		<i>For Left Hand Threaded Rod, Add</i>	14.40	
05 05 23 00-1247 304/18-8 Stainless Steel Threaded Rod (05 05 23 00-1199)				
05 05 23 00-1248	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.41	0.57
		<i>For Left Hand Threaded Rod, Add</i>	0.23	
05 05 23 00-1249	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.12	0.63
		<i>For Left Hand Threaded Rod, Add</i>	0.39	
05 05 23 00-1250	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.58	0.73
		<i>For Left Hand Threaded Rod, Add</i>	0.52	
05 05 23 00-1251	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.14	0.74
		<i>For Left Hand Threaded Rod, Add</i>	0.77	
05 05 23 00-1252	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.96	0.77
		<i>For Left Hand Threaded Rod, Add</i>	0.94	
05 05 23 00-1253	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	15.75	0.78
		<i>For Left Hand Threaded Rod, Add</i>	1.42	
05 05 23 00-1254	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.45	0.79
		<i>For Left Hand Threaded Rod, Add</i>	1.49	
05 05 23 00-1255	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.03	0.82
		<i>For Left Hand Threaded Rod, Add</i>	2.14	
05 05 23 00-1256	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	31.67	0.85
		<i>For Left Hand Threaded Rod, Add</i>	3.00	
05 05 23 00-1257	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.63	0.95
		<i>For Left Hand Threaded Rod, Add</i>	3.87	
05 05 23 00-1258	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	85.99	1.15
		<i>For Left Hand Threaded Rod, Add</i>	8.36	
05 05 23 00-1259	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	130.91	1.30
		<i>For Left Hand Threaded Rod, Add</i>	12.83	
05 05 23 00-1260	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	134.67	1.36
		<i>For Left Hand Threaded Rod, Add</i>	13.19	
05 05 23 00-1261	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	186.33	1.43
		<i>For Left Hand Threaded Rod, Add</i>	18.35	
05 05 23 00-1262 316 Stainless Steel Threaded Rod (05 05 23 00-1199)				
05 05 23 00-1263	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	4.93	0.57
		<i>For Left Hand Threaded Rod, Add</i>	0.38	
05 05 23 00-1264	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	7.93	0.63
		<i>For Left Hand Threaded Rod, Add</i>	0.67	
05 05 23 00-1265	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	10.52	0.73
		<i>For Left Hand Threaded Rod, Add</i>	0.91	
05 05 23 00-1266	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	16.43	0.74
		<i>For Left Hand Threaded Rod, Add</i>	1.50	
05 05 23 00-1267	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	17.42	0.77
		<i>For Left Hand Threaded Rod, Add</i>	1.59	
05 05 23 00-1268	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	22.85	0.78
		<i>For Left Hand Threaded Rod, Add</i>	2.13	
05 05 23 00-1269	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	24.59	0.79
		<i>For Left Hand Threaded Rod, Add</i>	2.30	
05 05 23 00-1270	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	35.85	0.82
		<i>For Left Hand Threaded Rod, Add</i>	3.42	
05 05 23 00-1271	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	49.07	0.85
		<i>For Left Hand Threaded Rod, Add</i>	4.74	
05 05 23 00-1272	LF	1" Diameter, 316 Stainless Steel Threaded Rod	62.10	0.95
		<i>For Left Hand Threaded Rod, Add</i>	6.02	
05 05 23 00-1273	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	131.09	1.15
		<i>For Left Hand Threaded Rod, Add</i>	12.87	
05 05 23 00-1274	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	171.81	1.30
		<i>For Left Hand Threaded Rod, Add</i>	16.92	
05 05 23 00-1275 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1199)				
05 05 23 00-1276	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.14	0.57
		<i>For Zinc Plating, Add</i>	1.50	
05 05 23 00-1277	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.39	0.63
		<i>For Zinc Plating, Add</i>	2.57	
05 05 23 00-1278	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.68	0.73
		<i>For Zinc Plating, Add</i>	2.63	
05 05 23 00-1279	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	7.30	0.74
		<i>For Zinc Plating, Add</i>	2.91	
05 05 23 00-1280	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.04	0.77
		<i>For Zinc Plating, Add</i>	3.26	
05 05 23 00-1281	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.05	0.78
		<i>For Zinc Plating, Add</i>	4.25	
05 05 23 00-1282	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.37	0.79
		<i>For Zinc Plating, Add</i>	4.40	
05 05 23 00-1283	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.79	0.82
		<i>For Zinc Plating, Add</i>	6.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1284	LF		7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	16.53 7.43	0.85
05 05 23 00-1285	LF		1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	21.45 9.77	0.95
05 05 23 00-1286	LF		1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	27.92 12.90	1.06
05 05 23 00-1287	LF		1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	31.08 14.35	1.15
05 05 23 00-1288	LF		1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	35.87 16.69	1.25
05 05 23 00-1289	LF		1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	43.63 20.52	1.30
05 05 23 00-1290	LF		1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	45.11 21.19	1.36
05 05 23 00-1291	LF		2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	60.56 28.85	1.43
05 05 23 00-1292			Nuts And Washers (05 05 23)		
05 05 23 00-1293			Hex Nuts (05 05 23 00-1292)		
05 05 23 00-1294			Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1293)		
05 05 23 00-1295	EA		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.75	0.34
05 05 23 00-1296	EA		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.83	0.34
05 05 23 00-1297	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.89	0.34
05 05 23 00-1298	EA		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.02	0.34
05 05 23 00-1299	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.10	0.34
05 05 23 00-1300	EA		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.42	0.34
05 05 23 00-1301	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.46	0.34
05 05 23 00-1302	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.71	0.68
05 05 23 00-1303	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.44	0.68
05 05 23 00-1304	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.08	0.68
05 05 23 00-1305	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.93	0.68
05 05 23 00-1306	EA		1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	6.00	0.68
05 05 23 00-1307	EA		1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	8.73	0.68
05 05 23 00-1308	EA		1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	10.07	1.04
05 05 23 00-1309	EA		1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	14.68	1.04
05 05 23 00-1310	EA		2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	21.10	1.04
05 05 23 00-1311			Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1293)		
05 05 23 00-1312	EA		1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.77	0.34
05 05 23 00-1313	EA		5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.84	0.34
05 05 23 00-1314	EA		3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.92	0.34
05 05 23 00-1315	EA		7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.05	0.34
05 05 23 00-1316	EA		1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.21	0.34
05 05 23 00-1317	EA		9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.45	0.34
05 05 23 00-1318	EA		5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.49	0.34
05 05 23 00-1319	EA		3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.91	0.68
05 05 23 00-1320	EA		7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.65	0.68
05 05 23 00-1321	EA		1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.69	0.68
05 05 23 00-1322	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	5.54	0.68
05 05 23 00-1323	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	7.76	0.68
05 05 23 00-1324	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	11.30	0.68
05 05 23 00-1325	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	12.46	1.04
05 05 23 00-1326	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	22.28	1.04
05 05 23 00-1327	EA		2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	31.83	1.04
05 05 23 00-1328			Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1293)		
05 05 23 00-1329	EA		1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.78	0.34
05 05 23 00-1330	EA		5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.89	0.34
05 05 23 00-1331	EA		3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.97	0.34
05 05 23 00-1332	EA		7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.18	0.34
05 05 23 00-1333	EA		1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.39	0.34
05 05 23 00-1334	EA		9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.65	0.34
05 05 23 00-1335	EA		5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.86	0.34
05 05 23 00-1336	EA		3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.28	0.68
05 05 23 00-1337	EA		7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.36	0.68
05 05 23 00-1338	EA		1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.44	0.68
05 05 23 00-1339	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	6.86	0.68
05 05 23 00-1340	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.52	0.68
05 05 23 00-1341	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	13.90	0.68
05 05 23 00-1342	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	14.73	1.04
05 05 23 00-1343	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	22.34	1.04
05 05 23 00-1344	EA		2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	31.48	1.04
05 05 23 00-1345			Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1293)		
05 05 23 00-1346	EA		1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.78	0.34
05 05 23 00-1347	EA		5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.87	0.34

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1348	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.95	0.34
05 05 23 00-1349	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.16	0.34
05 05 23 00-1350	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.32	0.34
05 05 23 00-1351	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.46	0.34
05 05 23 00-1352	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.60	0.34
05 05 23 00-1353	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.10	0.68
05 05 23 00-1354	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.99	0.68
05 05 23 00-1355	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.07	0.68
05 05 23 00-1356	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	6.64	0.68
05 05 23 00-1357	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.47	0.68
05 05 23 00-1358	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	12.47	0.68
05 05 23 00-1359	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.51	1.04
05 05 23 00-1360	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.13	1.04
05 05 23 00-1361	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	43.27	1.04
05 05 23 00-1362 304 Stainless Steel Hex Nuts (05 05 23 00-1293)				
05 05 23 00-1363	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.86	0.34
05 05 23 00-1364	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	1.01	0.34
05 05 23 00-1365	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	1.13	0.34
05 05 23 00-1366	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.63	0.34
05 05 23 00-1367	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.76	0.34
05 05 23 00-1368	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	2.63	0.34
05 05 23 00-1369	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	2.92	0.34
05 05 23 00-1370	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	3.34	0.68
05 05 23 00-1371	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	5.39	0.68
05 05 23 00-1372	EA	1" Diameter, 304 Stainless Steel Hex Nut	8.22	0.68
05 05 23 00-1373	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	19.54	0.68
05 05 23 00-1374	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	37.39	1.04
05 05 23 00-1375	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	65.59	1.04
05 05 23 00-1376	EA	2" Diameter, 304 Stainless Steel Hex Nut	93.40	1.04
05 05 23 00-1377 316 Stainless Steel Hex Nuts (05 05 23 00-1293)				
05 05 23 00-1378	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.99	0.34
05 05 23 00-1379	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	1.13	0.34
05 05 23 00-1380	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	1.33	0.34
05 05 23 00-1381	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	2.11	0.34
05 05 23 00-1382	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	2.26	0.34
05 05 23 00-1383	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	3.05	0.34
05 05 23 00-1384	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	3.43	0.34
05 05 23 00-1385	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	4.73	0.68
05 05 23 00-1386	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	6.53	0.68
05 05 23 00-1387	EA	1" Diameter, 316 Stainless Steel Hex Nut	10.03	0.68
05 05 23 00-1388	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	30.20	0.68
05 05 23 00-1389	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	48.74	1.04
05 05 23 00-1390	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	82.14	1.04
05 05 23 00-1391	EA	2" Diameter, 316 Stainless Steel Hex Nut	152.51	1.04
05 05 23 00-1392 Flat Washers (05 05 23 00-1292)				
05 05 23 00-1393 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1392)				
05 05 23 00-1394	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.05	
05 05 23 00-1395	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.07	
05 05 23 00-1396	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.13	
05 05 23 00-1397	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.20	
05 05 23 00-1398	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.29	
05 05 23 00-1399	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1400	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1401	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.81	
05 05 23 00-1402	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.96	
05 05 23 00-1403	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.18	
05 05 23 00-1404	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.33	
05 05 23 00-1405	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.59	
05 05 23 00-1406	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.50	
05 05 23 00-1407	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.56	
05 05 23 00-1408	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.79	
05 05 23 00-1409	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.71	
05 05 23 00-1410 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1392)				
05 05 23 00-1411	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.17	
05 05 23 00-1412	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.24	
05 05 23 00-1413	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.27	
05 05 23 00-1414	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.37	
05 05 23 00-1415	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.50	
05 05 23 00-1416	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.81	
05 05 23 00-1417	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.16	
05 05 23 00-1418	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.63	
05 05 23 00-1419	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.72	



		Metals	05	05
		Common Work Results for Metals	05 05	
		Metal Fastenings	05 05 23	

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
05 05 23 00-1420	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.02		
05 05 23 00-1421	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.39		
05 05 23 00-1422	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.79		
05 05 23 00-1423	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.32		
05 05 23 00-1424	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	7.22		
05 05 23 00-1425	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	9.71		
05 05 23 00-1426	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	11.65		
05 05 23 00-1427 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1392)					
05 05 23 00-1428	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.11		
05 05 23 00-1429	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.16		
05 05 23 00-1430	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.18		
05 05 23 00-1431	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.34		
05 05 23 00-1432	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.43		
05 05 23 00-1433	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.71		
05 05 23 00-1434	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.79		
05 05 23 00-1435	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.20		
05 05 23 00-1436	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.70		
05 05 23 00-1437	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.86		
05 05 23 00-1438	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.85		
05 05 23 00-1439	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.17		
05 05 23 00-1440	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.53		
05 05 23 00-1441	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.90		
05 05 23 00-1442	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	7.12		
05 05 23 00-1443 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1392)					
05 05 23 00-1444	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.14		
05 05 23 00-1445	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.19		
05 05 23 00-1446	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.27		
05 05 23 00-1447	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.49		
05 05 23 00-1448	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.90		
05 05 23 00-1449	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.12		
05 05 23 00-1450	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.64		
05 05 23 00-1451	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.67		
05 05 23 00-1452	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.53		
05 05 23 00-1453	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.47		
05 05 23 00-1454	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.20		
05 05 23 00-1455	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.60		
05 05 23 00-1456	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.92		
05 05 23 00-1457	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.22		
05 05 23 00-1458	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	8.97		
05 05 23 00-1459	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	17.62		
05 05 23 00-1460 316 Stainless Steel Flat Washers (05 05 23 00-1392)					
05 05 23 00-1461	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.27		
05 05 23 00-1462	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.30		
05 05 23 00-1463	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.53		
05 05 23 00-1464	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.63		
05 05 23 00-1465	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.16		
05 05 23 00-1466	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.09		
05 05 23 00-1467	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.47		
05 05 23 00-1468	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	3.11		
05 05 23 00-1469	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.81		
05 05 23 00-1470	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	5.38		
05 05 23 00-1471	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.13		
05 05 23 00-1472	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	7.55		
05 05 23 00-1473	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.98		
05 05 23 00-1474	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	8.16		
05 05 23 00-1475	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	11.96		
05 05 23 00-1476 Lock Washers (05 05 23 00-1292)					
05 05 23 00-1477 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1476)					
05 05 23 00-1478	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02		
05 05 23 00-1479	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03		
05 05 23 00-1480	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05		
05 05 23 00-1481	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.08		
05 05 23 00-1482	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11		
05 05 23 00-1483	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19		
05 05 23 00-1484	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.21		
05 05 23 00-1485	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.32		
05 05 23 00-1486	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.54		
05 05 23 00-1487	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.96		
05 05 23 00-1488	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.41		
05 05 23 00-1489	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.16		
05 05 23 00-1490	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.42		
05 05 23 00-1491	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.02		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1492	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	7.18		
05 05 23 00-1493	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.09		
05 05 23 00-1494 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1476)					
05 05 23 00-1495	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09		
05 05 23 00-1496	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11		
05 05 23 00-1497	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14		
05 05 23 00-1498	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.15		
05 05 23 00-1499	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.24		
05 05 23 00-1500	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.31		
05 05 23 00-1501	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37		
05 05 23 00-1502	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.62		
05 05 23 00-1503	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.89		
05 05 23 00-1504	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.41		
05 05 23 00-1505	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.55		
05 05 23 00-1506	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.04		
05 05 23 00-1507	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.39		
05 05 23 00-1508	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.02		
05 05 23 00-1509	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.79		
05 05 23 00-1510	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	9.25		
05 05 23 00-1511 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1476)					
05 05 23 00-1512	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.12		
05 05 23 00-1513	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.16		
05 05 23 00-1514	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.23		
05 05 23 00-1515	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.43		
05 05 23 00-1516	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.48		
05 05 23 00-1517	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.15		
05 05 23 00-1518	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.36		
05 05 23 00-1519	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.58		
05 05 23 00-1520	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.87		
05 05 23 00-1521	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.05		
05 05 23 00-1522	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.07		
05 05 23 00-1523	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.40		
05 05 23 00-1524	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	11.96		
05 05 23 00-1525	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	14.35		
05 05 23 00-1526 316 Stainless Steel Lock Washers (05 05 23 00-1476)					
05 05 23 00-1527	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.14		
05 05 23 00-1528	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.31		
05 05 23 00-1529	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.36		
05 05 23 00-1530	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.62		
05 05 23 00-1531	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.69		
05 05 23 00-1532	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.23		
05 05 23 00-1533	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.35		
05 05 23 00-1534	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	2.33		
05 05 23 00-1535	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.86		
05 05 23 00-1536	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	5.25		
05 05 23 00-1537	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	7.32		
05 05 23 00-1538	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	11.27		
05 05 23 00-1539	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	20.18		
05 05 23 00-1540	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	22.40		
05 05 23 00-1541 Load Indicating Washers (05 05 23 00-1292)					
05 05 23 00-1542 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1541)					
05 05 23 00-1543 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1542)					
05 05 23 00-1544	EA	1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.34		
05 05 23 00-1545	EA	5/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.65		
05 05 23 00-1546	EA	3/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.86		
05 05 23 00-1547	EA	7/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.25		
05 05 23 00-1548	EA	1", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.92		
05 05 23 00-1549	EA	1-1/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	6.52		
05 05 23 00-1550	EA	1-1/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	8.42		
05 05 23 00-1551	EA	1-3/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	10.75		
05 05 23 00-1552	EA	1-1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	11.83		
05 05 23 00-1553 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1542)					
05 05 23 00-1554	EA	1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.96		
05 05 23 00-1555	EA	5/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.30		
05 05 23 00-1556	EA	3/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.21		
05 05 23 00-1557	EA	7/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.92		



Metals		05
Common Work Results for Metals		05 05
Metal Fastenings		05 05 23

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1558 EA 1", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.65	
05 05 23 00-1559 EA 1-1/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	7.00	
05 05 23 00-1560 EA 1-1/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	8.81	
05 05 23 00-1561 EA 1-3/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	12.54	
05 05 23 00-1562 EA 1-1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	13.79	
05 05 23 00-1563 Beveled Washers (05 05 23 00-1292)		
05 05 23 00-1564 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1563)		
05 05 23 00-1565 EA 1/2", Plain Finish, (ASTM F436) Square Beveled Structural Washer	3.87	
05 05 23 00-1566 EA 5/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	3.95	
05 05 23 00-1567 EA 3/4", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.04	
05 05 23 00-1568 EA 7/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.90	
05 05 23 00-1569 EA 1", Plain Finish, (ASTM F436) Square Beveled Structural Washer	5.16	
05 05 23 00-1570 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1563)		
05 05 23 00-1571 EA 1/2", Galvanized, (ASTM F436) Square Beveled Structural Washer	5.56	
05 05 23 00-1572 EA 5/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	5.81	
05 05 23 00-1573 EA 3/4", Galvanized, (ASTM F436) Square Beveled Structural Washer	5.81	
05 05 23 00-1574 EA 7/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	6.15	
05 05 23 00-1575 EA 1", Galvanized, (ASTM F436) Square Beveled Structural Washer	6.54	
05 05 23 00-1576 Welded Stud Anchors (05 05 23)		
05 05 23 00-1577 EA 1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.45	
05 05 23 00-1578 EA 2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.55	
05 05 23 00-1579 EA 3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.59	
05 05 23 00-1580 EA 4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.63	
05 05 23 00-1581 EA 1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.38	
05 05 23 00-1582 EA 1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.61	
05 05 23 00-1583 EA 2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.85	
05 05 23 00-1584 EA 2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.97	
05 05 23 00-1585 EA 3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.10	
05 05 23 00-1586 EA 4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.58	
05 05 23 00-1587 EA 5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.98	
05 05 23 00-1588 EA 6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.30	
05 05 23 00-1589 EA 1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.38	
05 05 23 00-1590 EA 1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.41	
05 05 23 00-1591 EA 2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.77	
05 05 23 00-1592 EA 2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.12	
05 05 23 00-1593 EA 3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.55	
05 05 23 00-1594 EA 4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.21	
05 05 23 00-1595 EA 5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.64	
05 05 23 00-1596 EA 6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	8.81	
05 05 23 00-1597 EA 8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	11.01	
05 05 23 00-1598 EA 2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.65	
05 05 23 00-1599 EA 3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.21	
05 05 23 00-1600 EA 3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.66	
05 05 23 00-1601 EA 4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.12	
05 05 23 00-1602 EA 4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.49	
05 05 23 00-1603 EA 5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.83	
05 05 23 00-1604 EA 6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.28	
05 05 23 00-1605 EA 6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	12.17	
05 05 23 00-1606 EA 8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	14.78	
05 05 23 00-1607 Welded Shear Stud Connector (05 05 23)		
05 05 23 00-1608 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1607)		
05 05 23 00-1609 EA 3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	9.80	
05 05 23 00-1610 EA 3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	10.20	
05 05 23 00-1611 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	10.31	
05 05 23 00-1612 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	10.36	
05 05 23 00-1613 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	10.81	
05 05 23 00-1614 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	11.64	
05 05 23 00-1615 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	19.64	
05 05 23 00-1616 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	12.60	
05 05 23 00-1617 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	14.06	
05 05 23 00-1618 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	18.37	
05 05 23 00-1619 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	18.82	
05 05 23 00-1620 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	20.42	
05 05 23 00-1621 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	27.12	
05 05 23 00-1622 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1607)		
05 05 23 00-1623 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	11.80	
05 05 23 00-1624 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	12.44	
05 05 23 00-1625 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	13.07	
05 05 23 00-1626 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	14.91	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1627	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	19.35	
05 05 23 00-1628	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	21.30	
05 05 23 00-1629	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	23.21	
05 05 23 00-1630	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	28.58	
05 05 23 00-1631		1" Diameter Welded Shear Stud Connector (05 05 23 00-1607)		
05 05 23 00-1632	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	15.97	
05 05 23 00-1633	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	17.94	
05 05 23 00-1634	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	20.84	
05 05 23 00-1635	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	26.61	
05 05 23 00-1636	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	29.64	
05 05 23 00-1637	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	32.67	

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel for Buildings (05 12)**

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 Lb./LF Beams, Girders And Columns.....	9,922.20	1,357.03
		For ASTM A242 Type 2 High Strength Steel, Add	569.18	
		For Hot Dip Galvanizing, Add	1,992.14	
		For >10 To 25 Tons, Deduct	-604.76	
		For >25 To 50 Tons, Deduct	-1,245.09	
		For >50 To 75 Tons, Deduct	-1,778.70	
		For >75 Tons, Deduct	-889.35	
05 12 23 00-0004	TON	>30-65 Lb./LF Beams, Girders And Columns.....	6,774.97	877.23
		For ASTM A242 Type 2 High Strength Steel, Add	467.13	
		For Hot Dip Galvanizing, Add	1,634.97	
		For >10 To 25 Tons, Deduct	-496.33	
		For >25 To 50 Tons, Deduct	-1,021.85	
		For >50 To 75 Tons, Deduct	-1,459.79	
		For >75 Tons, Deduct	-729.90	
05 12 23 00-0005	TON	>65-100 Lb./LF Beams, Girders And Columns.....	5,710.31	493.49
		For ASTM A242 Type 2 High Strength Steel, Add	414.71	
		For Hot Dip Galvanizing, Add	1,451.50	
		For >10 To 25 Tons, Deduct	-440.63	
		For >25 To 50 Tons, Deduct	-907.19	
		For >50 To 75 Tons, Deduct	-1,295.98	
		For >75 Tons, Deduct	-647.99	
05 12 23 00-0006	TON	>100-300 Lb./LF Beams, Girders And Columns.....	3,824.56	262.67
		For ASTM A242 Type 2 High Strength Steel, Add	283.51	
		For Hot Dip Galvanizing, Add	992.27	
		For >10 To 25 Tons, Deduct	-301.22	
		For >25 To 50 Tons, Deduct	-620.17	
		For >50 To 75 Tons, Deduct	-885.96	
		For >75 Tons, Deduct	-442.98	

05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members.....	7,187.52	922.89
		For ASTM A242 Type 2 High Strength Steel, Add	496.29	
		For Hot Dip Galvanizing, Add	1,737.01	
		For >10 To 25 Tons, Deduct	-527.31	
		For >25 To 50 Tons, Deduct	-1,085.63	
		For >50 To 75 Tons, Deduct	-1,550.91	
		For >75 Tons, Deduct	-775.45	

05 12 23 00-0009 Shapes (05 12 23 00-0001)**05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)**

05 12 23 00-0011	TON	Up To 10 Lb./LF Rolled Shape Steel Angles.....	14,479.29	2,522.73
		For ASTM A242 Type 2 High Strength Steel, Add	821.98	
		For Hot Dip Galvanizing, Add	2,876.93	
		For >10 To 25 Tons, Deduct	-873.35	
		For >25 To 50 Tons, Deduct	-1,798.08	
		For >50 To 75 Tons, Deduct	-2,568.69	
		For >75 Tons, Deduct	-1,284.34	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0012 TON >10 To 20 Lb./LF Rolled Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	12,636.28 786.31 2,752.08 -835.45 -1,720.05 -2,457.22 -1,228.61	1,480.47
05 12 23 00-0013 TON >20 To 58 Lb./LF Rolled Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,581.96 691.70 2,420.96 -734.94 -1,513.10 -2,161.58 -1,080.79	877.23
05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015 TON Up To 10 Lb./LF Rolled C, MC Steel Channels..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	15,904.17 809.57 2,833.50 -860.17 -1,770.94 -2,529.92 -1,264.96	3,454.43
05 12 23 00-0016 TON >10 To 20 Rolled C, MC Steel Channels..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	12,500.57 775.45 2,714.08 -823.92 -1,696.30 -2,423.29 -1,211.65	2,631.95
05 12 23 00-0017 TON >20 To 58 Lb./LF Rolled C, MC Steel Channels..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,426.87 679.30 2,377.54 -721.75 -1,485.96 -2,122.80 -1,061.40	877.23
05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 Lb./LF Double L Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	13,390.82 790.96 2,768.37 -840.40 -1,730.23 -2,471.76 -1,235.88	2,001.59
05 12 23 00-0020 TON >20 To 50 Lb./LF Double L Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	10,241.10 744.44 2,605.52 -790.96 -1,628.45 -2,326.36 -1,163.18	877.23
05 12 23 00-0021 TON >50 To 80 Lb./LF Double L Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,699.33 573.84 2,008.42 -609.70 -1,255.26 -1,793.24 -896.62	493.49
05 12 23 00-0022 TON >80 To 115 Lb./LF Double L Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	4,933.02 372.22 1,302.76 -395.48 -814.23 -1,163.18 -581.59	263.06
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	12,112.85 744.44 2,605.52 -790.96 -1,628.45 -2,326.36 -1,163.18	1,480.47
05 12 23 00-0025 TON >30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	8,050.58 569.18 1,992.14 -604.76 -1,245.09 -1,778.70 -889.35	877.23

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0026 TON >65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	6,342.29 465.27 1,628.45 -494.35 -1,017.78 -1,453.98 -726.99	493.49
05 12 23 00-0027 TON >100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	4,662.05 350.50 1,226.77 -372.41 -766.73 -1,095.33 -547.66	262.67
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 Lb./LF Combination Section - W Shapes And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	11,511.86 696.36 2,437.25 -739.88 -1,523.28 -2,176.11 -1,088.06	1,480.47
05 12 23 00-0031 TON >30-65 Lb./LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	8,108.75 573.84 2,008.43 -609.70 -1,255.27 -1,793.24 -896.62	877.23
05 12 23 00-0032 TON >65-100 Lb./LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	5,857.63 426.50 1,492.75 -453.16 -932.97 -1,332.81 -666.41	493.49
05 12 23 00-0033 TON >100-300 Lb./LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	5,049.34 381.52 1,335.33 -405.37 -834.58 -1,192.26 -596.13	262.67
05 12 23 00-0034 TON >300-500 Lb./LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	4,347.21 336.55 1,177.92 -357.58 -736.20 -1,051.71 -525.86	131.86
05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036 TON >30-65 Lb./LF Combination Section - S Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,798.56 549.02 1,921.57 -583.33 -1,200.98 -1,715.69 -857.85	877.23
05 12 23 00-0037 TON >65-100 Lb./LF Combination Section - S Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	5,877.02 428.05 1,498.18 -454.80 -936.36 -1,337.66 -668.83	493.49
05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039 TON Up To 30 Lb./LF Combination Section - Channels And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	12,112.85 744.44 2,605.52 -790.96 -1,628.45 -2,326.36 -1,163.18	1,480.47



	Metals	05	
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles.....	8,496.47	877.23	
		For ASTM A242 Type 2 High Strength Steel, Add	604.85		
		For Hot Dip Galvanizing, Add	2,116.99		
		For >10 To 25 Tons, Deduct	-642.66		
		For >25 To 50 Tons, Deduct	-1,323.12		
		For >50 To 75 Tons, Deduct	-1,890.17		
		For >75 Tons, Deduct	-945.08		
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles.....	6,012.72	493.49	
		For ASTM A242 Type 2 High Strength Steel, Add	438.91		
		For Hot Dip Galvanizing, Add	1,536.17		
		For >10 To 25 Tons, Deduct	-466.34		
		For >25 To 50 Tons, Deduct	-960.11		
		For >50 To 75 Tons, Deduct	-1,371.58		
		For >75 Tons, Deduct	-685.79		
05 12 23 00-0042		Standard Weight Pipe (05 12 23 00-0001)			
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe.....	6,890.76	789.58	
		For ASTM A242 Type 2 High Strength Steel, Add	483.88		
		For Hot Dip Galvanizing, Add	1,693.59		
		For >10 To 25 Tons, Deduct	-514.13		
		For >25 To 50 Tons, Deduct	-1,058.49		
		For >50 To 75 Tons, Deduct	-1,512.13		
		For >75 Tons, Deduct	-756.07		
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe.....	7,372.72	986.98	
		For ASTM A242 Type 2 High Strength Steel, Add	505.60		
		For Hot Dip Galvanizing, Add	1,769.58		
		For >10 To 25 Tons, Deduct	-537.19		
		For >25 To 50 Tons, Deduct	-1,105.99		
		For >50 To 75 Tons, Deduct	-1,579.99		
		For >75 Tons, Deduct	-789.99		
05 12 23 00-0045		Temporary Steel Support For Structures (05 12 23 00-0001)			
		Note: Includes removal after use.			
05 12 23 00-0046	TON	Up To 30 Lb./LF Temporary Steel Support For Structures	9,922.20		
		Note: For all stock sections.			
05 12 23 00-0047	TON	>30 Lb./LF Temporary Steel Support For Structures.....	6,774.97		
		Note: For all stock sections.			
05 12 23 00-0048		Structural Steel Shapes (05 12 23)			
		Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.			
05 12 23 00-0049		Steel Rods (05 12 23 00-0048)			
05 12 23 00-0050	TON	1/2" To 5" Diameter Extra Strong Steel, Solid.....	7,404.42	616.93	
		For ASTM A242 Type 2 High Strength Steel, Add	539.72		
		For Hot Dip Galvanizing, Add	1,889.00		
		For >10 To 25 Tons, Deduct	-573.45		
		For >25 To 50 Tons, Deduct	-1,180.63		
		For >50 To 75 Tons, Deduct	-1,686.61		
		For >75 Tons, Deduct	-843.31		
05 12 23 00-0051	TON	>5" To 12" Diameter Extra Strong Steel, Solid	8,496.47	877.23	
		For ASTM A242 Type 2 High Strength Steel, Add	604.85		
		For Hot Dip Galvanizing, Add	2,116.99		
		For >10 To 25 Tons, Deduct	-642.66		
		For >25 To 50 Tons, Deduct	-1,323.12		
		For >50 To 75 Tons, Deduct	-1,890.17		
		For >75 Tons, Deduct	-945.08		
05 12 23 00-0052		Column Base Plates (05 12 23 00-0048)			
05 12 23 00-0053	LB	Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items.....	3.76	0.81	
		For ASTM A242 Type 2 High Strength Steel, Add	0.23		
		For Hot Dip Galvanizing, Add	0.81		
05 12 23 00-0054	LB	Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items	3.53	0.68	
		For ASTM A242 Type 2 High Strength Steel, Add	0.22		
		For Hot Dip Galvanizing, Add	0.77		
05 12 23 00-0055	TON	Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items.....	6,760.51	715.86	
		For ASTM A242 Type 2 High Strength Steel, Add	479.75		
		For Hot Dip Galvanizing, Add	1,679.14		
		For >10 To 25 Tons, Deduct	-509.74		
		For >25 To 50 Tons, Deduct	-1,049.46		
		For >50 To 75 Tons, Deduct	-1,499.23		
		For >75 Tons, Deduct	-749.62		
05 12 23 00-0056	TON	Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items	4,795.65	429.52	
		For ASTM A242 Type 2 High Strength Steel, Add	347.00		
		For Hot Dip Galvanizing, Add	1,214.50		
		For >10 To 25 Tons, Deduct	-368.69		
		For >25 To 50 Tons, Deduct	-759.06		
		For >50 To 75 Tons, Deduct	-1,084.38		
		For >75 Tons, Deduct	-542.19		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0057 Double Extra Strong Pipes (05 12 23 00-0048)		
05 12 23 00-0058 TON 2" To 5" Diameter Double Extra Strong Pipe 8,918.94 1,127.93		
For ASTM A242 Type 2 High Strength Steel, Add	617.26	
For Hot Dip Galvanizing, Add	2,160.41	
For >10 To 25 Tons, Deduct	-655.84	
For >25 To 50 Tons, Deduct	-1,350.26	
For >50 To 75 Tons, Deduct	-1,928.94	
For >75 Tons, Deduct	-964.47	
05 12 23 00-0059 TON >5" To 8" Diameter Double Extra Strong Pipe 8,363.62 607.33		
For ASTM A242 Type 2 High Strength Steel, Add	617.26	
For Hot Dip Galvanizing, Add	2,160.41	
For >10 To 25 Tons, Deduct	-655.84	
For >25 To 50 Tons, Deduct	-1,350.26	
For >50 To 75 Tons, Deduct	-1,928.94	
For >75 Tons, Deduct	-964.47	
05 12 23 00-0060 Structural Pipes (05 12 23 00-0048)		
05 12 23 00-0061 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items 6,229.99 521.12		
For ASTM A242 Type 2 High Strength Steel, Add	434.25	
For Hot Dip Galvanizing, Add	1,519.89	
For >10 To 25 Tons, Deduct	-461.39	
For >25 To 50 Tons, Deduct	-949.93	
For >50 To 75 Tons, Deduct	-1,357.04	
For >75 Tons, Deduct	-678.52	
05 12 23 00-0062 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items 6,754.09 601.01		
For ASTM A242 Type 2 High Strength Steel, Add	434.25	
For Hot Dip Galvanizing, Add	1,519.89	
For >10 To 25 Tons, Deduct	-461.39	
For >25 To 50 Tons, Deduct	-949.93	
For >50 To 75 Tons, Deduct	-1,357.04	
For >75 Tons, Deduct	-678.52	
05 12 23 00-0063 Structural Tubing (05 12 23 00-0048)		
05 12 23 00-0064 Rectangle Structural Tubing (05 12 23 00-0063)		
05 12 23 00-0065 TON 3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle 10,254.64 526.39		
For ASTM A242 Type 2 High Strength Steel, Add	775.45	
For Hot Dip Galvanizing, Add	2,714.08	
For >10 To 25 Tons, Deduct	-823.92	
For >25 To 50 Tons, Deduct	-1,696.30	
For >50 To 75 Tons, Deduct	-2,423.29	
For >75 Tons, Deduct	-1,211.65	
05 12 23 00-0066 TON 4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle 10,341.02 607.33		
For ASTM A242 Type 2 High Strength Steel, Add	775.45	
For Hot Dip Galvanizing, Add	2,714.08	
For >10 To 25 Tons, Deduct	-823.92	
For >25 To 50 Tons, Deduct	-1,696.30	
For >50 To 75 Tons, Deduct	-2,423.29	
For >75 Tons, Deduct	-1,211.65	
05 12 23 00-0067 TON 5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle 9,037.97 657.98		
For ASTM A242 Type 2 High Strength Steel, Add	666.89	
For Hot Dip Galvanizing, Add	2,334.11	
For >10 To 25 Tons, Deduct	-708.57	
For >25 To 50 Tons, Deduct	-1,458.82	
For >50 To 75 Tons, Deduct	-2,084.03	
For >75 Tons, Deduct	-1,042.02	
05 12 23 00-0068 TON 6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle 8,596.76 789.58		
For ASTM A242 Type 2 High Strength Steel, Add	620.36	
For Hot Dip Galvanizing, Add	2,171.27	
For >10 To 25 Tons, Deduct	-659.14	
For >25 To 50 Tons, Deduct	-1,357.04	
For >50 To 75 Tons, Deduct	-1,938.63	
For >75 Tons, Deduct	-969.32	
05 12 23 00-0069 TON 7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle 8,463.64 877.23		
For ASTM A242 Type 2 High Strength Steel, Add	602.23	
For Hot Dip Galvanizing, Add	2,107.80	
For >10 To 25 Tons, Deduct	-639.87	
For >25 To 50 Tons, Deduct	-1,317.37	
For >50 To 75 Tons, Deduct	-1,881.96	
For >75 Tons, Deduct	-940.98	
05 12 23 00-0070 TON 8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle 8,645.33 1,213.99		
For ASTM A242 Type 2 High Strength Steel, Add	588.03	
For Hot Dip Galvanizing, Add	2,058.11	
For >10 To 25 Tons, Deduct	-624.78	
For >25 To 50 Tons, Deduct	-1,286.32	
For >50 To 75 Tons, Deduct	-1,837.60	
For >75 Tons, Deduct	-918.80	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0071 TON 10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,039.87 586.24 2,051.85 -622.88 -1,282.41 -1,832.01 -916.00	1,604.83
05 12 23 00-0072 TON 12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,275.53 592.45 2,073.56 -629.47 -1,295.98 -1,851.40 -925.70	1,753.01
05 12 23 00-0073 TON 14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,511.14 592.45 2,073.56 -629.47 -1,295.98 -1,851.40 -925.70	1,973.96
05 12 23 00-0074 TON 16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	10,135.44 586.24 2,051.85 -622.88 -1,282.41 -1,832.01 -916.00	2,631.95
05 12 23 00-0075 TON 18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	11,557.61 570.73 1,997.57 -606.40 -1,248.48 -1,783.54 -891.77	4,147.03
05 12 23 00-0076 TON 20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	13,270.87 544.97 1,907.39 -579.03 -1,192.12 -1,703.02 -851.51	6,055.20
05 12 23 00-0077 Square Structural Tubing (05 12 23 00-0063)		
05 12 23 00-0078 TON 2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	10,219.55 775.45 2,714.08 -823.92 -1,696.30 -2,423.29 -1,211.65	493.49
05 12 23 00-0079 TON 2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	10,254.64 775.45 2,714.08 -823.92 -1,696.30 -2,423.29 -1,211.65	526.39
05 12 23 00-0080 TON 3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,231.83 682.40 2,388.39 -725.05 -1,492.75 -2,132.50 -1,066.25	657.98
05 12 23 00-0081 TON 3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,178.35 666.89 2,334.11 -708.57 -1,458.82 -2,084.03 -1,042.02	789.58
05 12 23 00-0082 TON 4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,411.49 508.70 1,780.44 -540.49 -1,112.77 -1,589.68 -794.84	986.98
05 12 23 00-0083 TON 5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,561.89 508.70 1,780.44 -540.49 -1,112.77 -1,589.68 -794.84	1,127.93

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0084 TON 6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square.....	8,043.16	1,579.17
For ASTM A242 Type 2 High Strength Steel, Add	508.70	
For Hot Dip Galvanizing, Add	1,780.44	
For >10 To 25 Tons, Deduct	-540.49	
For >25 To 50 Tons, Deduct	-1,112.77	
For >50 To 75 Tons, Deduct	-1,589.68	
For >75 Tons, Deduct	-794.84	
05 12 23 00-0085 TON 7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square.....	8,580.59	1,973.96
For ASTM A242 Type 2 High Strength Steel, Add	518.00	
For Hot Dip Galvanizing, Add	1,813.01	
For >10 To 25 Tons, Deduct	-550.38	
For >25 To 50 Tons, Deduct	-1,133.13	
For >50 To 75 Tons, Deduct	-1,618.76	
For >75 Tons, Deduct	-809.38	
05 12 23 00-0086 TON 8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square.....	10,329.30	2,631.95
For ASTM A242 Type 2 High Strength Steel, Add	601.75	
For Hot Dip Galvanizing, Add	2,106.13	
For >10 To 25 Tons, Deduct	-639.36	
For >25 To 50 Tons, Deduct	-1,316.33	
For >50 To 75 Tons, Deduct	-1,880.47	
For >75 Tons, Deduct	-940.24	
05 12 23 00-0087 TON 10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square.....	11,733.01	3,947.93
For ASTM A242 Type 2 High Strength Steel, Add	601.75	
For Hot Dip Galvanizing, Add	2,106.13	
For >10 To 25 Tons, Deduct	-639.36	
For >25 To 50 Tons, Deduct	-1,316.33	
For >50 To 75 Tons, Deduct	-1,880.47	
For >75 Tons, Deduct	-940.24	
05 12 23 00-0088 TON 12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square.....	11,417.66	4,633.68
For ASTM A242 Type 2 High Strength Steel, Add	518.00	
For Hot Dip Galvanizing, Add	1,813.01	
For >10 To 25 Tons, Deduct	-550.38	
For >25 To 50 Tons, Deduct	-1,133.13	
For >50 To 75 Tons, Deduct	-1,618.76	
For >75 Tons, Deduct	-809.38	
05 12 23 00-0089 TON 14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square.....	13,825.58	6,055.20
For ASTM A242 Type 2 High Strength Steel, Add	589.34	
For Hot Dip Galvanizing, Add	2,062.70	
For >10 To 25 Tons, Deduct	-626.18	
For >25 To 50 Tons, Deduct	-1,289.19	
For >50 To 75 Tons, Deduct	-1,841.70	
For >75 Tons, Deduct	-920.85	
05 12 23 00-0090 TON 16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square.....	15,944.13	7,895.85
For ASTM A242 Type 2 High Strength Steel, Add	601.75	
For Hot Dip Galvanizing, Add	2,106.13	
For >10 To 25 Tons, Deduct	-639.36	
For >25 To 50 Tons, Deduct	-1,316.33	
For >50 To 75 Tons, Deduct	-1,880.47	
For >75 Tons, Deduct	-940.24	
05 12 23 00-0091 Galvanized Steel Pipe Tubing (05 12 23 00-0063)		
Note: ASTM A53 Grade B		
05 12 23 00-0092 LF 2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	39.77	5.83
05 12 23 00-0093 LF 2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	43.93	6.94
05 12 23 00-0094 LF 3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	49.46	9.22
05 12 23 00-0095 LF 3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	53.50	10.28
05 12 23 00-0096 LF 4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	56.14	11.11
05 12 23 00-0097 LF 5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	63.62	13.88
05 12 23 00-0098 LF 6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	71.12	16.65
05 12 23 00-0099 LF 8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	78.75	19.99
05 12 23 00-0100 LF 10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	89.57	24.43
05 12 23 00-0101 LF 12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	107.06	31.10
05 12 23 00-0102 Structural Shapes (05 12 23 00-0048)		
05 12 23 00-0103 TON Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts.....	8,299.57	2,863.44
For ASTM A242 Type 2 High Strength Steel, Add	300.35	
For Hot Dip Galvanizing, Add	1,051.24	
For >20 To 50 Lb./LF, Deduct	-1,057.21	
For >50 To 75 Lb./LF, Deduct	-1,699.45	
For >75 To 100 Lb./LF, Deduct	-2,341.69	
For >10 To 25 Tons, Deduct	-319.13	
For >25 To 50 Tons, Deduct	-657.03	
For >50 To 75 Tons, Deduct	-938.61	
For >75 Tons, Deduct	-469.30	
05 12 23 00-0104 TON Structural Shapes, Steel Plate A36 Structural Steel	7,726.86	1,145.38
Note: Up to 21.5 Lb. per SF		
For ASTM A242 Type 2 High Strength Steel, Add	496.30	
For Hot Dip Galvanizing, Add	1,737.05	
For >21.5 To 50 Lb./LF, Deduct	-848.84	
For >10 To 25 Tons, Deduct	-527.32	
For >25 To 50 Tons, Deduct	-1,085.66	
For >50 To 75 Tons, Deduct	-1,550.94	
For >75 Tons, Deduct	-775.47	
05 12 23 00-0105 LB Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports.....	4.49	0.26



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0106 LB Structural Shapes, Galvanized Pipe Supports.....	5.46	0.26
05 12 23 00-0107 Built-Up Trusses (05 12 23 00-0048)		
05 12 23 00-0108 TON Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	8,311.34	394.79
For >10 To 25 Tons, Deduct	-670.67	
For >25 To 50 Tons, Deduct	-1,380.79	
For >50 To 75 Tons, Deduct	-1,972.56	
For >75 Tons, Deduct	-986.28	
05 12 23 00-0109 TON >50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up.....	8,201.73	219.24
For >10 To 25 Tons, Deduct	-677.26	
For >25 To 50 Tons, Deduct	-1,394.36	
For >50 To 75 Tons, Deduct	-1,991.95	
For >75 Tons, Deduct	-995.97	
05 12 23 00-0110 TON >100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up.....	7,296.79	116.07
For >10 To 25 Tons, Deduct	-609.70	
For >25 To 50 Tons, Deduct	-1,255.26	
For >50 To 75 Tons, Deduct	-1,793.24	
For >75 Tons, Deduct	-896.62	
05 12 23 00-0111 TON >200 LF Span Average Weight 180 Lb./LF Trusses, Built-up.....	7,096.05	109.75
For >10 To 25 Tons, Deduct	-593.22	
For >25 To 50 Tons, Deduct	-1,221.34	
For >50 To 75 Tons, Deduct	-1,744.77	
For >75 Tons, Deduct	-872.39	
05 12 23 00-0112 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0048)		
Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0113 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	28.42	8.25
05 12 23 00-0114 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	42.64	12.33
05 12 23 00-0115 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	56.85	16.45
05 12 23 00-0116 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	71.06	20.55
05 12 23 00-0117 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	85.28	24.54
05 12 23 00-0118 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	99.48	28.77
05 12 23 00-0119 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	113.70	32.88
05 12 23 00-0120 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	127.92	36.99
05 12 23 00-0121 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	142.12	41.11
05 12 23 00-0122 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	156.34	45.22
05 12 23 00-0123 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	170.55	49.33
05 12 23 00-0124 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	184.77	53.44
05 12 23 00-0125 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	198.99	57.54
05 12 23 00-0126 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	213.20	61.65
05 12 23 00-0127 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	227.41	65.77
05 12 23 00-0128 Accessories For Steel (05 12 23)		
05 12 23 00-0129 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0128)		
05 12 23 00-0130 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.44	
05 12 23 00-0131 Connection And Stiffener Plates (05 12 23 00-0128)		
Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0132 TON 1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates.....	17,909.63	
For >10 To 25 Tons, Deduct	-1,522.32	
For >25 To 50 Tons, Deduct	-3,134.19	
For >50 To 75 Tons, Deduct	-4,477.41	
For >75 Tons, Deduct	-2,238.70	
05 12 23 00-0133 TON 3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates.....	15,280.42	
For >10 To 25 Tons, Deduct	-1,298.84	
For >25 To 50 Tons, Deduct	-2,674.07	
For >50 To 75 Tons, Deduct	-3,820.11	
For >75 Tons, Deduct	-1,910.05	
05 12 23 00-0134 TON 1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates.....	11,816.66	
For >10 To 25 Tons, Deduct	-1,004.42	
For >25 To 50 Tons, Deduct	-2,067.92	
For >50 To 75 Tons, Deduct	-2,954.17	
For >75 Tons, Deduct	-1,477.08	
05 12 23 00-0135 TON 5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates.....	11,816.66	
For >10 To 25 Tons, Deduct	-1,004.42	
For >25 To 50 Tons, Deduct	-2,067.92	
For >50 To 75 Tons, Deduct	-2,954.17	
For >75 Tons, Deduct	-1,477.08	
05 12 23 00-0136 TON 3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates.....	11,816.66	
For >10 To 25 Tons, Deduct	-1,004.42	
For >25 To 50 Tons, Deduct	-2,067.92	
For >50 To 75 Tons, Deduct	-2,954.17	
For >75 Tons, Deduct	-1,477.08	
05 12 23 00-0137 TON 1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates.....	11,816.66	
For >10 To 25 Tons, Deduct	-1,004.42	
For >25 To 50 Tons, Deduct	-2,067.92	
For >50 To 75 Tons, Deduct	-2,954.17	
For >75 Tons, Deduct	-1,477.08	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0138 TON 9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	11,816.66	
For >10 To 25 Tons, Deduct	-1,004.42	
For >25 To 50 Tons, Deduct	-2,067.92	
For >50 To 75 Tons, Deduct	-2,954.17	
For >75 Tons, Deduct	-1,477.08	
05 12 23 00-0139 TON 5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	11,816.66	
For >10 To 25 Tons, Deduct	-1,004.42	
For >25 To 50 Tons, Deduct	-2,067.92	
For >50 To 75 Tons, Deduct	-2,954.17	
For >75 Tons, Deduct	-1,477.08	
05 12 23 00-0140 TON 3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	11,078.12	
For >10 To 25 Tons, Deduct	-941.64	
For >25 To 50 Tons, Deduct	-1,938.67	
For >50 To 75 Tons, Deduct	-2,769.53	
For >75 Tons, Deduct	-1,384.77	
05 12 23 00-0141 TON 7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	11,078.12	
For >10 To 25 Tons, Deduct	-941.64	
For >25 To 50 Tons, Deduct	-1,938.67	
For >50 To 75 Tons, Deduct	-2,769.53	
For >75 Tons, Deduct	-1,384.77	
05 12 23 00-0142 TON 1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	11,078.12	
For >10 To 25 Tons, Deduct	-941.64	
For >25 To 50 Tons, Deduct	-1,938.67	
For >50 To 75 Tons, Deduct	-2,769.53	
For >75 Tons, Deduct	-1,384.77	
05 12 23 00-0143 Field Applied Cold Galvanizing (05 12 23 00-0128)		
05 12 23 00-0144 SF Brush Applied Cold Galvanizing	2.20	
05 12 23 00-0145 Metal Grinding (05 12 23 00-0128)		
Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0146 SI Metal Grinding Up To 1/32" Thickness To Be Removed.....	1.25	
Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0147 Structural Steel For Buildings And Structures (05 12 23)		
Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0148 First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0147)		
Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0149 LF W14 x 730 A992/A36 Structural Column	1,496.22	79.42
For Hot Dip Galvanizing, Add	391.71	
For High Strength Low Alloy A572-50 Steel, Add	134.66	
For High Strength Low Alloy A588 Grade B Steel, Add	299.24	
05 12 23 00-0150 LF W14 x 665 A992/A36 Structural Column	1,364.77	74.03
For Hot Dip Galvanizing, Add	356.83	
For High Strength Low Alloy A572-50 Steel, Add	122.83	
For High Strength Low Alloy A588 Grade B Steel, Add	272.95	
05 12 23 00-0151 LF W14 x 605 A992/A36 Structural Column	1,243.32	68.90
For Hot Dip Galvanizing, Add	324.63	
For High Strength Low Alloy A572-50 Steel, Add	111.90	
For High Strength Low Alloy A588 Grade B Steel, Add	248.66	
05 12 23 00-0152 LF W14 x 550 A992/A36 Structural Column	1,131.83	64.09
For Hot Dip Galvanizing, Add	295.12	
For High Strength Low Alloy A572-50 Steel, Add	101.86	
For High Strength Low Alloy A588 Grade B Steel, Add	226.37	
05 12 23 00-0153 LF W14 x 500 A992/A36 Structural Column	1,039.84	68.43
For Hot Dip Galvanizing, Add	268.29	
For High Strength Low Alloy A572-50 Steel, Add	93.59	
For High Strength Low Alloy A588 Grade B Steel, Add	207.97	
05 12 23 00-0154 LF W14 x 426 A992/A36 Structural Column	887.39	59.75
For Hot Dip Galvanizing, Add	228.59	
For High Strength Low Alloy A572-50 Steel, Add	79.87	
For High Strength Low Alloy A588 Grade B Steel, Add	177.48	
05 12 23 00-0155 LF W14 x 342 A992/A36 Structural Column	718.05	51.72
For Hot Dip Galvanizing, Add	183.97	
For High Strength Low Alloy A572-50 Steel, Add	64.62	
For High Strength Low Alloy A588 Grade B Steel, Add	143.61	
05 12 23 00-0156 LF W14 x 311 A992/A36 Structural Column	646.98	48.29
For Hot Dip Galvanizing, Add	165.23	
For High Strength Low Alloy A572-50 Steel, Add	58.23	
For High Strength Low Alloy A588 Grade B Steel, Add	129.40	
05 12 23 00-0157 LF W14 x 283 A992/A36 Structural Column	587.48	45.53
For Hot Dip Galvanizing, Add	149.56	
For High Strength Low Alloy A572-50 Steel, Add	52.87	
For High Strength Low Alloy A588 Grade B Steel, Add	117.50	
05 12 23 00-0158 LF W14 x 257 A992/A36 Structural Column	516.81	43.17
For Hot Dip Galvanizing, Add	130.65	
For High Strength Low Alloy A572-50 Steel, Add	46.51	
For High Strength Low Alloy A588 Grade B Steel, Add	103.36	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0159	LF	W14 x 233 A992/A36 Structural Column	475.67	40.14
		For Hot Dip Galvanizing, Add	120.13	
		For High Strength Low Alloy A572-50 Steel, Add	42.81	
		For High Strength Low Alloy A588 Grade B Steel, Add	95.13	
05 12 23 00-0160	LF	W14 x 211 A992/A36 Structural Column	423.34	37.37
		For Hot Dip Galvanizing, Add	106.41	
		For High Strength Low Alloy A572-50 Steel, Add	38.10	
		For High Strength Low Alloy A588 Grade B Steel, Add	84.67	
05 12 23 00-0161	LF	W14 x 193 A992/A36 Structural Column	383.15	35.53
		For Hot Dip Galvanizing, Add	95.80	
		For High Strength Low Alloy A572-50 Steel, Add	34.48	
		For High Strength Low Alloy A588 Grade B Steel, Add	76.63	
05 12 23 00-0162	LF	W14 x 176 A992/A36 Structural Column	345.59	33.95
		For Hot Dip Galvanizing, Add	85.86	
		For High Strength Low Alloy A572-50 Steel, Add	31.10	
		For High Strength Low Alloy A588 Grade B Steel, Add	69.12	
05 12 23 00-0163	LF	W14 x 159 A992/A36 Structural Column	312.75	32.77
		For Hot Dip Galvanizing, Add	77.11	
		For High Strength Low Alloy A572-50 Steel, Add	28.15	
		For High Strength Low Alloy A588 Grade B Steel, Add	62.55	
05 12 23 00-0164	LF	W14 x 145 A992/A36 Structural Column	302.27	31.71
		For Hot Dip Galvanizing, Add	74.49	
		For High Strength Low Alloy A572-50 Steel, Add	27.20	
		For High Strength Low Alloy A588 Grade B Steel, Add	60.45	
05 12 23 00-0165	LF	W14 x 132 A992/A36 Structural Column	258.94	30.27
		For Hot Dip Galvanizing, Add	62.91	
		For High Strength Low Alloy A572-50 Steel, Add	23.30	
		For High Strength Low Alloy A588 Grade B Steel, Add	51.79	
05 12 23 00-0166	LF	W14 x 120 A992/A36 Structural Column	242.94	29.48
		For Hot Dip Galvanizing, Add	58.69	
		For High Strength Low Alloy A572-50 Steel, Add	21.86	
		For High Strength Low Alloy A588 Grade B Steel, Add	48.59	
05 12 23 00-0167	LF	W14 x 109 A992/A36 Structural Column	217.80	28.29
		For Hot Dip Galvanizing, Add	52.08	
		For High Strength Low Alloy A572-50 Steel, Add	19.60	
		For High Strength Low Alloy A588 Grade B Steel, Add	43.56	
05 12 23 00-0168	LF	W14 x 99 A992/A36 Structural Column	198.96	27.50
		For Hot Dip Galvanizing, Add	47.10	
		For High Strength Low Alloy A572-50 Steel, Add	17.91	
		For High Strength Low Alloy A588 Grade B Steel, Add	39.79	
05 12 23 00-0169	LF	W14 x 90 A992/A36 Structural Column	185.02	26.85
		For Hot Dip Galvanizing, Add	43.42	
		For High Strength Low Alloy A572-50 Steel, Add	16.65	
		For High Strength Low Alloy A588 Grade B Steel, Add	37.00	
05 12 23 00-0170	LF	W14 x 82 A992/A36 Structural Column	170.63	26.06
		For Hot Dip Galvanizing, Add	39.64	
		For High Strength Low Alloy A572-50 Steel, Add	15.36	
		For High Strength Low Alloy A588 Grade B Steel, Add	34.13	
05 12 23 00-0171	LF	W14 x 74 A992/A36 Structural Column	154.32	25.39
		For Hot Dip Galvanizing, Add	35.34	
		For High Strength Low Alloy A572-50 Steel, Add	13.89	
		For High Strength Low Alloy A588 Grade B Steel, Add	30.86	
05 12 23 00-0172	LF	W14 x 68 A992/A36 Structural Column	144.32	25.00
		For Hot Dip Galvanizing, Add	32.67	
		For High Strength Low Alloy A572-50 Steel, Add	12.99	
		For High Strength Low Alloy A588 Grade B Steel, Add	28.86	
05 12 23 00-0173	LF	W14 x 61 A992/A36 Structural Column	131.84	24.34
		For Hot Dip Galvanizing, Add	29.39	
		For High Strength Low Alloy A572-50 Steel, Add	11.87	
		For High Strength Low Alloy A588 Grade B Steel, Add	26.37	
05 12 23 00-0174	LF	W14 x 53 A992/A36 Structural Column	120.30	23.69
		For Hot Dip Galvanizing, Add	26.37	
		For High Strength Low Alloy A572-50 Steel, Add	10.83	
		For High Strength Low Alloy A588 Grade B Steel, Add	24.06	
05 12 23 00-0175	LF	W14 x 48 A992/A36 Structural Column	112.86	23.29
		For Hot Dip Galvanizing, Add	24.42	
		For High Strength Low Alloy A572-50 Steel, Add	10.16	
		For High Strength Low Alloy A588 Grade B Steel, Add	22.57	
05 12 23 00-0176	LF	W14 x 43 A992/A36 Structural Column	102.09	22.90
		For Hot Dip Galvanizing, Add	21.58	
		For High Strength Low Alloy A572-50 Steel, Add	9.19	
		For High Strength Low Alloy A588 Grade B Steel, Add	20.42	
05 12 23 00-0177	LF	W12 x 336 A992/A36 Structural Column	682.17	35.37
		For Hot Dip Galvanizing, Add	178.84	
		For High Strength Low Alloy A572-50 Steel, Add	61.40	
		For High Strength Low Alloy A588 Grade B Steel, Add	136.43	
05 12 23 00-0178	LF	W12 x 305 A992/A36 Structural Column	621.97	34.67
		For Hot Dip Galvanizing, Add	162.34	
		For High Strength Low Alloy A572-50 Steel, Add	55.98	
		For High Strength Low Alloy A588 Grade B Steel, Add	124.39	
05 12 23 00-0179	LF	W12 x 279 A992/A36 Structural Column	571.65	34.25
		For Hot Dip Galvanizing, Add	148.50	
		For High Strength Low Alloy A572-50 Steel, Add	51.45	
		For High Strength Low Alloy A588 Grade B Steel, Add	114.33	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0180	LF		W12 x 252 A992/A36 Structural Column	518.95	33.39
			For Hot Dip Galvanizing, Add	134.13	
			For High Strength Low Alloy A572-50 Steel, Add	46.71	
			For High Strength Low Alloy A588 Grade B Steel, Add	103.79	
05 12 23 00-0181	LF		W12 x 230 A992/A36 Structural Column	476.25	32.91
			For Hot Dip Galvanizing, Add	122.42	
			For High Strength Low Alloy A572-50 Steel, Add	42.86	
			For High Strength Low Alloy A588 Grade B Steel, Add	95.25	
05 12 23 00-0182	LF		W12 x 210 A992/A36 Structural Column	437.39	32.45
			For Hot Dip Galvanizing, Add	111.78	
			For High Strength Low Alloy A572-50 Steel, Add	39.37	
			For High Strength Low Alloy A588 Grade B Steel, Add	87.48	
05 12 23 00-0183	LF		W12 x 190 A992/A36 Structural Column	403.26	36.32
			For Hot Dip Galvanizing, Add	101.13	
			For High Strength Low Alloy A572-50 Steel, Add	36.29	
			For High Strength Low Alloy A588 Grade B Steel, Add	80.65	
05 12 23 00-0184	LF		W12 x 170 A992/A36 Structural Column	364.73	35.26
			For Hot Dip Galvanizing, Add	90.80	
			For High Strength Low Alloy A572-50 Steel, Add	32.83	
			For High Strength Low Alloy A588 Grade B Steel, Add	72.95	
05 12 23 00-0185	LF		W12 x 152 A992/A36 Structural Column	328.91	32.77
			For Hot Dip Galvanizing, Add	81.60	
			For High Strength Low Alloy A572-50 Steel, Add	29.60	
			For High Strength Low Alloy A588 Grade B Steel, Add	65.78	
05 12 23 00-0186	LF		W12 x 136 A992/A36 Structural Column	312.79	31.84
			For Hot Dip Galvanizing, Add	77.38	
			For High Strength Low Alloy A572-50 Steel, Add	28.15	
			For High Strength Low Alloy A588 Grade B Steel, Add	62.56	
05 12 23 00-0187	LF		W12 x 120 A992/A36 Structural Column	237.53	29.22
			For Hot Dip Galvanizing, Add	57.22	
			For High Strength Low Alloy A572-50 Steel, Add	21.38	
			For High Strength Low Alloy A588 Grade B Steel, Add	47.51	
05 12 23 00-0188	LF		W12 x 106 A992/A36 Structural Column	219.08	28.29
			For Hot Dip Galvanizing, Add	52.43	
			For High Strength Low Alloy A572-50 Steel, Add	19.72	
			For High Strength Low Alloy A588 Grade B Steel, Add	43.82	
05 12 23 00-0189	LF		W12 x 96 A992/A36 Structural Column	196.27	27.37
			For Hot Dip Galvanizing, Add	46.39	
			For High Strength Low Alloy A572-50 Steel, Add	17.66	
			For High Strength Low Alloy A588 Grade B Steel, Add	39.25	
05 12 23 00-0190	LF		W12 x 87 A992/A36 Structural Column	181.23	26.45
			For Hot Dip Galvanizing, Add	42.44	
			For High Strength Low Alloy A572-50 Steel, Add	16.31	
			For High Strength Low Alloy A588 Grade B Steel, Add	36.25	
05 12 23 00-0191	LF		W12 x 79 A992/A36 Structural Column	159.35	25.67
			For Hot Dip Galvanizing, Add	36.62	
			For High Strength Low Alloy A572-50 Steel, Add	14.34	
			For High Strength Low Alloy A588 Grade B Steel, Add	31.87	
05 12 23 00-0192	LF		W12 x 72 A992/A36 Structural Column	146.06	25.00
			For Hot Dip Galvanizing, Add	33.12	
			For High Strength Low Alloy A572-50 Steel, Add	13.15	
			For High Strength Low Alloy A588 Grade B Steel, Add	29.21	
05 12 23 00-0193	LF		W12 x 65 A992/A36 Structural Column	133.73	24.48
			For Hot Dip Galvanizing, Add	29.88	
			For High Strength Low Alloy A572-50 Steel, Add	12.04	
			For High Strength Low Alloy A588 Grade B Steel, Add	26.75	
05 12 23 00-0194	LF		W12 x 58 A992/A36 Structural Column	129.47	24.21
			For Hot Dip Galvanizing, Add	28.77	
			For High Strength Low Alloy A572-50 Steel, Add	11.65	
			For High Strength Low Alloy A588 Grade B Steel, Add	25.89	
05 12 23 00-0195	LF		W12 x 53 A992/A36 Structural Column	120.30	23.69
			For Hot Dip Galvanizing, Add	26.37	
			For High Strength Low Alloy A572-50 Steel, Add	10.83	
			For High Strength Low Alloy A588 Grade B Steel, Add	24.06	
05 12 23 00-0196	LF		W12 x 50 A992/A36 Structural Column	116.64	23.56
			For Hot Dip Galvanizing, Add	25.39	
			For High Strength Low Alloy A572-50 Steel, Add	10.50	
			For High Strength Low Alloy A588 Grade B Steel, Add	23.33	
05 12 23 00-0197	LF		W12 x 45 A992/A36 Structural Column	106.20	23.03
			For Hot Dip Galvanizing, Add	22.64	
			For High Strength Low Alloy A572-50 Steel, Add	9.56	
			For High Strength Low Alloy A588 Grade B Steel, Add	21.24	
05 12 23 00-0198	LF		W12 x 40 A992/A36 Structural Column	95.43	22.51
			For Hot Dip Galvanizing, Add	19.80	
			For High Strength Low Alloy A572-50 Steel, Add	8.59	
			For High Strength Low Alloy A588 Grade B Steel, Add	19.09	
05 12 23 00-0199	LF		W10 x 112 A992/A36 Structural Column	229.03	28.82
			For Hot Dip Galvanizing, Add	55.05	
			For High Strength Low Alloy A572-50 Steel, Add	20.61	
			For High Strength Low Alloy A588 Grade B Steel, Add	45.81	
05 12 23 00-0200	LF		W10 x 110 A992/A36 Structural Column	207.38	27.63
			For Hot Dip Galvanizing, Add	49.37	
			For High Strength Low Alloy A572-50 Steel, Add	18.66	
			For High Strength Low Alloy A588 Grade B Steel, Add	41.48	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0201 LF W10 x 88 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	186.64 43.91 16.80 37.33	26.72
05 12 23 00-0202 LF W10 x 77 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	166.23 38.53 14.96 33.25	25.67
05 12 23 00-0203 LF W10 x 68 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	149.92 34.23 13.49 29.98	25.00
05 12 23 00-0204 LF W10 x 60 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	131.84 29.39 11.87 26.37	24.34
05 12 23 00-0205 LF W10 x 54 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	130.94 29.21 11.78 26.19	23.95
05 12 23 00-0206 LF W10 x 49 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	115.23 25.04 10.37 23.05	23.56
05 12 23 00-0207 LF W10 x 45 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	111.29 24.02 10.02 22.26	23.16
05 12 23 00-0208 LF W10 x 39 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	97.16 20.24 8.74 19.43	22.77
05 12 23 00-0209 LF W10 x 33 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	84.99 17.05 7.65 17.00	22.10
05 12 23 00-0210 LF W8 x 67 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	144.49 32.72 13.00 28.90	25.00
05 12 23 00-0211 LF W8 x 58 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	129.95 28.90 11.70 25.99	24.21
05 12 23 00-0212 LF W8 x 48 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	116.51 25.39 10.49 23.30	23.56
05 12 23 00-0213 LF W8 x 40 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	100.33 21.09 9.03 20.07	22.90
05 12 23 00-0214 LF W8 x 35 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	90.85 18.60 8.18 18.17	22.38
05 12 23 00-0215 LF W8 x 31 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	83.23 16.56 7.49 16.65	22.10
05 12 23 00-0216 LF W8 x 28 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	78.48 15.32 7.06 15.70	21.84
05 12 23 00-0217 LF W8 x 24 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	72.78 13.81 6.55 14.56	21.58
05 12 23 00-0218 LF W8 x 21 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	69.00 12.83 6.21 13.80	21.45
05 12 23 00-0219 LF W8 x 18 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	61.86 10.92 5.57 12.37	21.05
05 12 23 00-0220 LF W6 x 25 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	76.30 14.78 6.87 15.26	21.58
05 12 23 00-0221 LF W6 x 20 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	64.87 11.72 5.84 12.97	21.18

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0222	LF		W6 x 15 A992/A36 Structural Column	55.90	20.53
			For Hot Dip Galvanizing, Add	9.41	
			For High Strength Low Alloy A572-50 Steel, Add	5.03	
			For High Strength Low Alloy A588 Grade B Steel, Add	11.18	
05 12 23 00-0223	LF		W6 x 12 A992/A36 Structural Column	52.54	20.53
			For Hot Dip Galvanizing, Add	8.48	
			For High Strength Low Alloy A572-50 Steel, Add	4.73	
			For High Strength Low Alloy A588 Grade B Steel, Add	10.51	
05 12 23 00-0224	LF		W6 x 9 A992/A36 Structural Column	48.24	20.40
			For Hot Dip Galvanizing, Add	7.33	
			For High Strength Low Alloy A572-50 Steel, Add	4.34	
			For High Strength Low Alloy A588 Grade B Steel, Add	9.65	
05 12 23 00-0225	LF		W5 x 19 A992/A36 Structural Column	63.91	21.18
			For Hot Dip Galvanizing, Add	11.45	
			For High Strength Low Alloy A572-50 Steel, Add	5.75	
			For High Strength Low Alloy A588 Grade B Steel, Add	12.78	
05 12 23 00-0226	LF		W5 x 16 A992/A36 Structural Column	59.02	21.05
			For Hot Dip Galvanizing, Add	10.17	
			For High Strength Low Alloy A572-50 Steel, Add	5.31	
			For High Strength Low Alloy A588 Grade B Steel, Add	11.80	
05 12 23 00-0227	LF		W4 x 13 A992/A36 Structural Column	55.39	20.79
			For Hot Dip Galvanizing, Add	9.24	
			For High Strength Low Alloy A572-50 Steel, Add	4.99	
			For High Strength Low Alloy A588 Grade B Steel, Add	11.08	
05 12 23 00-0228			A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0147)		
			Note: Includes material delivery and erection.		
05 12 23 00-0229	LF		W36 x 300 A992/A36 Structural Beam Or Girder	547.00	86.98
			For Hot Dip Galvanizing, Add	126.05	
			For High Strength Low Alloy A572-50 Steel, Add	49.23	
			For High Strength Low Alloy A588 Steel, Add	109.40	
			For Each Additional Top Copes >2, Add	4.54	
			For Structural Tees, WT, MT Or ST, Deduct	-177.53	
			For Skewed Or Sloped Connections, Add	65.64	
05 12 23 00-0230	LF		W36 x 280 A992/A36 Structural Beam Or Girder	529.22	98.70
			For Hot Dip Galvanizing, Add	117.64	
			For High Strength Low Alloy A572-50 Steel, Add	47.63	
			For High Strength Low Alloy A588 Steel, Add	105.84	
			For Each Additional Top Copes >2, Add	4.24	
			For Structural Tees, WT, MT Or ST, Deduct	-169.44	
			For Skewed Or Sloped Connections, Add	63.51	
05 12 23 00-0231	LF		W36 x 260 A992/A36 Structural Beam Or Girder	501.55	97.52
			For Hot Dip Galvanizing, Add	110.33	
			For High Strength Low Alloy A572-50 Steel, Add	45.14	
			For High Strength Low Alloy A588 Steel, Add	100.31	
			For Each Additional Top Copes >2, Add	3.98	
			For Structural Tees, WT, MT Or ST, Deduct	-159.95	
			For Skewed Or Sloped Connections, Add	60.19	
05 12 23 00-0232	LF		W36 x 240 A992/A36 Structural Beam Or Girder	467.00	83.83
			For Hot Dip Galvanizing, Add	104.78	
			For High Strength Low Alloy A572-50 Steel, Add	42.03	
			For High Strength Low Alloy A588 Steel, Add	93.40	
			For Each Additional Top Copes >2, Add	3.78	
			For Structural Tees, WT, MT Or ST, Deduct	-150.04	
			For Skewed Or Sloped Connections, Add	56.04	
05 12 23 00-0233	LF		W36 x 230 A992/A36 Structural Beam Or Girder	452.53	85.02
			For Hot Dip Galvanizing, Add	100.41	
			For High Strength Low Alloy A572-50 Steel, Add	40.73	
			For High Strength Low Alloy A588 Steel, Add	90.51	
			For Each Additional Top Copes >2, Add	3.62	
			For Structural Tees, WT, MT Or ST, Deduct	-144.78	
			For Skewed Or Sloped Connections, Add	54.30	
05 12 23 00-0234	LF		W36 x 210 A992/A36 Structural Beam Or Girder	431.05	94.36
			For Hot Dip Galvanizing, Add	91.68	
			For High Strength Low Alloy A572-50 Steel, Add	38.79	
			For High Strength Low Alloy A588 Steel, Add	86.21	
			For Each Additional Top Copes >2, Add	3.30	
			For Structural Tees, WT, MT Or ST, Deduct	-135.77	
			For Skewed Or Sloped Connections, Add	51.73	
05 12 23 00-0235	LF		W36 x 194 A992/A36 Structural Beam Or Girder	405.83	81.31
			For Hot Dip Galvanizing, Add	88.55	
			For High Strength Low Alloy A572-50 Steel, Add	36.52	
			For High Strength Low Alloy A588 Steel, Add	81.17	
			For Each Additional Top Copes >2, Add	3.19	
			For Structural Tees, WT, MT Or ST, Deduct	-129.03	
			For Skewed Or Sloped Connections, Add	48.70	
05 12 23 00-0236	LF		W36 x 182 A992/A36 Structural Beam Or Girder	385.46	80.72
			For Hot Dip Galvanizing, Add	83.07	
			For High Strength Low Alloy A572-50 Steel, Add	34.69	
			For High Strength Low Alloy A588 Steel, Add	77.09	
			For Each Additional Top Copes >2, Add	2.99	
			For Structural Tees, WT, MT Or ST, Deduct	-122.00	
			For Skewed Or Sloped Connections, Add	46.26	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0237 LF W36 x 170 A992/A36 Structural Beam Or Girder	364.72	79.79
For Hot Dip Galvanizing, Add	77.59	
For High Strength Low Alloy A572-50 Steel, Add	32.82	
For High Strength Low Alloy A588 Steel, Add	72.94	
For Each Additional Top Copes >2, Add	2.80	
For Structural Tees, WT, MT Or ST, Deduct	-114.89	
For Skewed Or Sloped Connections, Add	43.77	
05 12 23 00-0238 LF W36 x 160 A992/A36 Structural Beam Or Girder	360.55	91.33
For Hot Dip Galvanizing, Add	73.03	
For High Strength Low Alloy A572-50 Steel, Add	32.45	
For High Strength Low Alloy A588 Steel, Add	72.11	
For Each Additional Top Copes >2, Add	2.63	
For Structural Tees, WT, MT Or ST, Deduct	-111.59	
For Skewed Or Sloped Connections, Add	43.27	
05 12 23 00-0239 LF W36 x 150 A992/A36 Structural Beam Or Girder	346.11	90.67
For Hot Dip Galvanizing, Add	69.20	
For High Strength Low Alloy A572-50 Steel, Add	31.15	
For High Strength Low Alloy A588 Steel, Add	69.22	
For Each Additional Top Copes >2, Add	2.49	
For Structural Tees, WT, MT Or ST, Deduct	-106.63	
For Skewed Or Sloped Connections, Add	41.53	
05 12 23 00-0240 LF W36 x 135 A992/A36 Structural Beam Or Girder	325.90	89.88
For Hot Dip Galvanizing, Add	63.85	
For High Strength Low Alloy A572-50 Steel, Add	29.33	
For High Strength Low Alloy A588 Steel, Add	65.18	
For Each Additional Top Copes >2, Add	2.30	
For Structural Tees, WT, MT Or ST, Deduct	-99.70	
For Skewed Or Sloped Connections, Add	39.11	
05 12 23 00-0241 LF W33 x 241 A992/A36 Structural Beam Or Girder	473.09	86.47
For Hot Dip Galvanizing, Add	105.69	
For High Strength Low Alloy A572-50 Steel, Add	42.58	
For High Strength Low Alloy A588 Steel, Add	94.62	
For Each Additional Top Copes >2, Add	3.81	
For Structural Tees, WT, MT Or ST, Deduct	-151.75	
For Skewed Or Sloped Connections, Add	56.77	
05 12 23 00-0242 LF W33 x 221 A992/A36 Structural Beam Or Girder	439.23	84.34
For Hot Dip Galvanizing, Add	96.92	
For High Strength Low Alloy A572-50 Steel, Add	39.53	
For High Strength Low Alloy A588 Steel, Add	87.85	
For Each Additional Top Copes >2, Add	3.49	
For Structural Tees, WT, MT Or ST, Deduct	-140.24	
For Skewed Or Sloped Connections, Add	52.71	
05 12 23 00-0243 LF W33 x 201 A992/A36 Structural Beam Or Girder	417.67	93.70
For Hot Dip Galvanizing, Add	88.15	
For High Strength Low Alloy A572-50 Steel, Add	37.59	
For High Strength Low Alloy A588 Steel, Add	83.53	
For Each Additional Top Copes >2, Add	3.18	
For Structural Tees, WT, MT Or ST, Deduct	-131.18	
For Skewed Or Sloped Connections, Add	50.12	
05 12 23 00-0244 LF W33 x 170 A992/A36 Structural Beam Or Girder	376.07	91.99
For Hot Dip Galvanizing, Add	77.15	
For High Strength Low Alloy A572-50 Steel, Add	33.85	
For High Strength Low Alloy A588 Steel, Add	75.21	
For Each Additional Top Copes >2, Add	2.78	
For Structural Tees, WT, MT Or ST, Deduct	-116.92	
For Skewed Or Sloped Connections, Add	45.13	
05 12 23 00-0245 LF W33 x 152 A992/A36 Structural Beam Or Girder	341.85	79.54
For Hot Dip Galvanizing, Add	71.32	
For High Strength Low Alloy A572-50 Steel, Add	30.77	
For High Strength Low Alloy A588 Steel, Add	68.37	
For Each Additional Top Copes >2, Add	2.57	
For Structural Tees, WT, MT Or ST, Deduct	-106.92	
For Skewed Or Sloped Connections, Add	41.02	
05 12 23 00-0246 LF W33 x 141 A992/A36 Structural Beam Or Girder	334.60	90.15
For Hot Dip Galvanizing, Add	66.16	
For High Strength Low Alloy A572-50 Steel, Add	30.11	
For High Strength Low Alloy A588 Steel, Add	66.92	
For Each Additional Top Copes >2, Add	2.38	
For Structural Tees, WT, MT Or ST, Deduct	-102.68	
For Skewed Or Sloped Connections, Add	40.15	
05 12 23 00-0247 LF W33 x 130 A992/A36 Structural Beam Or Girder	318.26	89.48
For Hot Dip Galvanizing, Add	61.84	
For High Strength Low Alloy A572-50 Steel, Add	28.64	
For High Strength Low Alloy A588 Steel, Add	63.65	
For Each Additional Top Copes >2, Add	2.23	
For Structural Tees, WT, MT Or ST, Deduct	-97.08	
For Skewed Or Sloped Connections, Add	38.19	
05 12 23 00-0248 LF W33 x 118 A992/A36 Structural Beam Or Girder	299.24	88.70
For Hot Dip Galvanizing, Add	56.78	
For High Strength Low Alloy A572-50 Steel, Add	26.93	
For High Strength Low Alloy A588 Steel, Add	59.85	
For Each Additional Top Copes >2, Add	2.05	
For Structural Tees, WT, MT Or ST, Deduct	-90.54	
For Skewed Or Sloped Connections, Add	35.91	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0249 LF W30 x 211 A992/A36 Structural Beam Or Girder	421.56	84.18
For Hot Dip Galvanizing, Add	92.06	
For High Strength Low Alloy A572-50 Steel, Add	37.94	
For High Strength Low Alloy A588 Steel, Add	84.31	
For Each Additional Top Copes >2, Add	3.32	
For Structural Tees, WT, MT Or ST, Deduct	-134.08	
For Skewed Or Sloped Connections, Add	50.59	
05 12 23 00-0250 LF W30 x 191 A992/A36 Structural Beam Or Girder	399.67	93.04
For Hot Dip Galvanizing, Add	83.34	
For High Strength Low Alloy A572-50 Steel, Add	35.97	
For High Strength Low Alloy A588 Steel, Add	79.93	
For Each Additional Top Copes >2, Add	3.00	
For Structural Tees, WT, MT Or ST, Deduct	-124.98	
For Skewed Or Sloped Connections, Add	47.96	
05 12 23 00-0251 LF W30 x 173 A992/A36 Structural Beam Or Girder	366.04	80.34
For Hot Dip Galvanizing, Add	77.80	
For High Strength Low Alloy A572-50 Steel, Add	32.94	
For High Strength Low Alloy A588 Steel, Add	73.21	
For Each Additional Top Copes >2, Add	2.80	
For Structural Tees, WT, MT Or ST, Deduct	-115.26	
For Skewed Or Sloped Connections, Add	43.92	
05 12 23 00-0252 LF W30 x 154 A992/A36 Structural Beam Or Girder	346.41	90.81
For Hot Dip Galvanizing, Add	69.25	
For High Strength Low Alloy A572-50 Steel, Add	31.18	
For High Strength Low Alloy A588 Steel, Add	69.28	
For Each Additional Top Copes >2, Add	2.50	
For Structural Tees, WT, MT Or ST, Deduct	-106.72	
For Skewed Or Sloped Connections, Add	41.57	
05 12 23 00-0253 LF W30 x 132 A992/A36 Structural Beam Or Girder	308.90	77.51
For Hot Dip Galvanizing, Add	62.78	
For High Strength Low Alloy A572-50 Steel, Add	27.80	
For High Strength Low Alloy A588 Steel, Add	61.78	
For Each Additional Top Copes >2, Add	2.26	
For Structural Tees, WT, MT Or ST, Deduct	-95.71	
For Skewed Or Sloped Connections, Add	37.07	
05 12 23 00-0254 LF W30 x 124 A992/A36 Structural Beam Or Girder	295.15	77.47
For Hot Dip Galvanizing, Add	58.97	
For High Strength Low Alloy A572-50 Steel, Add	26.56	
For High Strength Low Alloy A588 Steel, Add	59.03	
For Each Additional Top Copes >2, Add	2.13	
For Structural Tees, WT, MT Or ST, Deduct	-90.91	
For Skewed Or Sloped Connections, Add	35.42	
05 12 23 00-0255 LF W30 x 116 A992/A36 Structural Beam Or Girder	293.29	88.56
For Hot Dip Galvanizing, Add	55.17	
For High Strength Low Alloy A572-50 Steel, Add	26.40	
For High Strength Low Alloy A588 Steel, Add	58.66	
For Each Additional Top Copes >2, Add	1.99	
For Structural Tees, WT, MT Or ST, Deduct	-88.48	
For Skewed Or Sloped Connections, Add	35.19	
05 12 23 00-0256 LF W30 x 108 A992/A36 Structural Beam Or Girder	271.07	79.74
For Hot Dip Galvanizing, Add	51.63	
For High Strength Low Alloy A572-50 Steel, Add	24.40	
For High Strength Low Alloy A588 Steel, Add	54.21	
For Each Additional Top Copes >2, Add	1.86	
For Structural Tees, WT, MT Or ST, Deduct	-82.12	
For Skewed Or Sloped Connections, Add	32.53	
05 12 23 00-0257 LF W30 x 99 A992/A36 Structural Beam Or Girder	259.41	79.35
For Hot Dip Galvanizing, Add	48.54	
For High Strength Low Alloy A572-50 Steel, Add	23.35	
For High Strength Low Alloy A588 Steel, Add	51.88	
For Each Additional Top Copes >2, Add	1.75	
For Structural Tees, WT, MT Or ST, Deduct	-78.12	
For Skewed Or Sloped Connections, Add	31.13	
05 12 23 00-0258 LF W27 x 178 A992/A36 Structural Beam Or Girder	407.45	94.07
For Hot Dip Galvanizing, Add	85.22	
For High Strength Low Alloy A572-50 Steel, Add	36.67	
For High Strength Low Alloy A588 Steel, Add	81.49	
For Each Additional Top Copes >2, Add	3.07	
For Structural Tees, WT, MT Or ST, Deduct	-127.56	
For Skewed Or Sloped Connections, Add	48.89	
05 12 23 00-0259 LF W27 x 161 A992/A36 Structural Beam Or Girder	374.33	90.52
For Hot Dip Galvanizing, Add	77.08	
For High Strength Low Alloy A572-50 Steel, Add	33.69	
For High Strength Low Alloy A588 Steel, Add	74.87	
For Each Additional Top Copes >2, Add	2.78	
For Structural Tees, WT, MT Or ST, Deduct	-116.53	
For Skewed Or Sloped Connections, Add	44.92	
05 12 23 00-0260 LF W27 x 146 A992/A36 Structural Beam Or Girder	345.03	87.32
For Hot Dip Galvanizing, Add	69.90	
For High Strength Low Alloy A572-50 Steel, Add	31.05	
For High Strength Low Alloy A588 Steel, Add	69.01	
For Each Additional Top Copes >2, Add	2.52	
For Structural Tees, WT, MT Or ST, Deduct	-106.79	
For Skewed Or Sloped Connections, Add	41.40	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0261 LF W27 x 114 A992/A36 Structural Beam Or Girder	274.05	72.54
For Hot Dip Galvanizing, Add	54.58	
For High Strength Low Alloy A572-50 Steel, Add	24.66	
For High Strength Low Alloy A588 Steel, Add	54.81	
For Each Additional Top Copes >2, Add	1.97	
For Structural Tees, WT, MT Or ST, Deduct	-84.31	
For Skewed Or Sloped Connections, Add	32.89	
05 12 23 00-0262 LF W27 x 102 A992/A36 Structural Beam Or Girder	260.60	79.35
For Hot Dip Galvanizing, Add	48.83	
For High Strength Low Alloy A572-50 Steel, Add	23.45	
For High Strength Low Alloy A588 Steel, Add	52.12	
For Each Additional Top Copes >2, Add	1.76	
For Structural Tees, WT, MT Or ST, Deduct	-78.52	
For Skewed Or Sloped Connections, Add	31.27	
05 12 23 00-0263 LF W27 x 94 A992/A36 Structural Beam Or Girder	249.62	78.83
For Hot Dip Galvanizing, Add	45.94	
For High Strength Low Alloy A572-50 Steel, Add	22.47	
For High Strength Low Alloy A588 Steel, Add	49.92	
For Each Additional Top Copes >2, Add	1.66	
For Structural Tees, WT, MT Or ST, Deduct	-74.76	
For Skewed Or Sloped Connections, Add	29.95	
05 12 23 00-0264 LF W27 x 84 A992/A36 Structural Beam Or Girder	236.25	78.30
For Hot Dip Galvanizing, Add	42.40	
For High Strength Low Alloy A572-50 Steel, Add	21.26	
For High Strength Low Alloy A588 Steel, Add	47.25	
For Each Additional Top Copes >2, Add	1.53	
For Structural Tees, WT, MT Or ST, Deduct	-70.17	
For Skewed Or Sloped Connections, Add	28.35	
05 12 23 00-0265 LF W24 x 162 A992/A36 Structural Beam Or Girder	360.50	86.79
For Hot Dip Galvanizing, Add	74.35	
For High Strength Low Alloy A572-50 Steel, Add	32.45	
For High Strength Low Alloy A588 Steel, Add	72.10	
For Each Additional Top Copes >2, Add	2.68	
For Structural Tees, WT, MT Or ST, Deduct	-112.29	
For Skewed Or Sloped Connections, Add	43.26	
05 12 23 00-0266 LF W24 x 146 A992/A36 Structural Beam Or Girder	330.22	83.20
For Hot Dip Galvanizing, Add	67.01	
For High Strength Low Alloy A572-50 Steel, Add	29.72	
For High Strength Low Alloy A588 Steel, Add	66.04	
For Each Additional Top Copes >2, Add	2.41	
For Structural Tees, WT, MT Or ST, Deduct	-102.26	
For Skewed Or Sloped Connections, Add	39.63	
05 12 23 00-0267 LF W24 x 131 A992/A36 Structural Beam Or Girder	301.38	79.42
For Hot Dip Galvanizing, Add	60.12	
For High Strength Low Alloy A572-50 Steel, Add	27.12	
For High Strength Low Alloy A588 Steel, Add	60.28	
For Each Additional Top Copes >2, Add	2.17	
For Structural Tees, WT, MT Or ST, Deduct	-92.78	
For Skewed Or Sloped Connections, Add	36.17	
05 12 23 00-0268 LF W24 x 117 A992/A36 Structural Beam Or Girder	273.99	75.46
For Hot Dip Galvanizing, Add	53.70	
For High Strength Low Alloy A572-50 Steel, Add	24.66	
For High Strength Low Alloy A588 Steel, Add	54.80	
For Each Additional Top Copes >2, Add	1.94	
For Structural Tees, WT, MT Or ST, Deduct	-83.82	
For Skewed Or Sloped Connections, Add	32.88	
05 12 23 00-0269 LF W24 x 104 A992/A36 Structural Beam Or Girder	248.11	71.36
For Hot Dip Galvanizing, Add	47.73	
For High Strength Low Alloy A572-50 Steel, Add	22.33	
For High Strength Low Alloy A588 Steel, Add	49.62	
For Each Additional Top Copes >2, Add	1.72	
For Structural Tees, WT, MT Or ST, Deduct	-75.42	
For Skewed Or Sloped Connections, Add	29.77	
05 12 23 00-0270 LF W24 x 94 A992/A36 Structural Beam Or Girder	239.54	78.83
For Hot Dip Galvanizing, Add	43.14	
For High Strength Low Alloy A572-50 Steel, Add	21.56	
For High Strength Low Alloy A588 Steel, Add	47.91	
For Each Additional Top Copes >2, Add	1.55	
For Structural Tees, WT, MT Or ST, Deduct	-71.23	
For Skewed Or Sloped Connections, Add	28.74	
05 12 23 00-0271 LF W24 x 84 A992/A36 Structural Beam Or Girder	218.23	69.88
For Hot Dip Galvanizing, Add	39.85	
For High Strength Low Alloy A572-50 Steel, Add	19.64	
For High Strength Low Alloy A588 Steel, Add	43.65	
For Each Additional Top Copes >2, Add	1.44	
For Structural Tees, WT, MT Or ST, Deduct	-65.19	
For Skewed Or Sloped Connections, Add	26.19	
05 12 23 00-0272 LF W24 x 76 A992/A36 Structural Beam Or Girder	207.98	69.35
For Hot Dip Galvanizing, Add	37.15	
For High Strength Low Alloy A572-50 Steel, Add	18.72	
For High Strength Low Alloy A588 Steel, Add	41.60	
For Each Additional Top Copes >2, Add	1.34	
For Structural Tees, WT, MT Or ST, Deduct	-61.68	
For Skewed Or Sloped Connections, Add	24.96	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0273	LF		W24 x 68 A992/A36 Structural Beam Or Girder	195.08	68.95
			For Hot Dip Galvanizing, Add	33.72	
			For High Strength Low Alloy A572-50 Steel, Add	17.56	
			For High Strength Low Alloy A588 Steel, Add	39.02	
			For Each Additional Top Copes >2, Add	1.22	
			For Structural Tees, WT, MT Or ST, Deduct	-57.24	
			For Skewed Or Sloped Connections, Add	23.41	
05 12 23 00-0274	LF		W24 x 62 A992/A36 Structural Beam Or Girder	188.31	68.56
			For Hot Dip Galvanizing, Add	31.95	
			For High Strength Low Alloy A572-50 Steel, Add	16.95	
			For High Strength Low Alloy A588 Steel, Add	37.66	
			For Each Additional Top Copes >2, Add	1.15	
			For Structural Tees, WT, MT Or ST, Deduct	-54.93	
			For Skewed Or Sloped Connections, Add	22.60	
05 12 23 00-0275	LF		W24 x 55 A992/A36 Structural Beam Or Girder	179.07	68.30
			For Hot Dip Galvanizing, Add	29.50	
			For High Strength Low Alloy A572-50 Steel, Add	16.12	
			For High Strength Low Alloy A588 Steel, Add	35.81	
			For Each Additional Top Copes >2, Add	1.06	
			For Structural Tees, WT, MT Or ST, Deduct	-51.76	
			For Skewed Or Sloped Connections, Add	21.49	
05 12 23 00-0276	LF		W21 x 147 A992/A36 Structural Beam Or Girder	314.88	71.37
			For Hot Dip Galvanizing, Add	66.25	
			For High Strength Low Alloy A572-50 Steel, Add	28.34	
			For High Strength Low Alloy A588 Steel, Add	62.98	
			For Each Additional Top Copes >2, Add	2.39	
			For Structural Tees, WT, MT Or ST, Deduct	-98.79	
			For Skewed Or Sloped Connections, Add	37.79	
05 12 23 00-0277	LF		W21 x 132 A992/A36 Structural Beam Or Girder	287.11	68.18
			For Hot Dip Galvanizing, Add	59.49	
			For High Strength Low Alloy A572-50 Steel, Add	25.84	
			For High Strength Low Alloy A588 Steel, Add	57.42	
			For Each Additional Top Copes >2, Add	2.14	
			For Structural Tees, WT, MT Or ST, Deduct	-89.58	
			For Skewed Or Sloped Connections, Add	34.45	
05 12 23 00-0278	LF		W21 x 122 A992/A36 Structural Beam Or Girder	269.64	67.04
			For Hot Dip Galvanizing, Add	54.98	
			For High Strength Low Alloy A572-50 Steel, Add	24.27	
			For High Strength Low Alloy A588 Steel, Add	53.93	
			For Each Additional Top Copes >2, Add	1.98	
			For Structural Tees, WT, MT Or ST, Deduct	-83.65	
			For Skewed Or Sloped Connections, Add	32.36	
05 12 23 00-0279	LF		W21 x 111 A992/A36 Structural Beam Or Girder	249.50	64.89
			For Hot Dip Galvanizing, Add	50.03	
			For High Strength Low Alloy A572-50 Steel, Add	22.46	
			For High Strength Low Alloy A588 Steel, Add	49.90	
			For Each Additional Top Copes >2, Add	1.80	
			For Structural Tees, WT, MT Or ST, Deduct	-76.94	
			For Skewed Or Sloped Connections, Add	29.94	
05 12 23 00-0280	LF		W21 x 101 A992/A36 Structural Beam Or Girder	231.03	62.81
			For Hot Dip Galvanizing, Add	45.52	
			For High Strength Low Alloy A572-50 Steel, Add	20.79	
			For High Strength Low Alloy A588 Steel, Add	46.21	
			For Each Additional Top Copes >2, Add	1.64	
			For Structural Tees, WT, MT Or ST, Deduct	-70.81	
			For Skewed Or Sloped Connections, Add	27.72	
05 12 23 00-0281	LF		W21 x 93 A992/A36 Structural Beam Or Girder	226.44	70.67
			For Hot Dip Galvanizing, Add	41.91	
			For High Strength Low Alloy A572-50 Steel, Add	20.38	
			For High Strength Low Alloy A588 Steel, Add	45.29	
			For Each Additional Top Copes >2, Add	1.51	
			For Structural Tees, WT, MT Or ST, Deduct	-67.94	
			For Skewed Or Sloped Connections, Add	27.17	
05 12 23 00-0282	LF		W21 x 83 A992/A36 Structural Beam Or Girder	214.34	69.88
			For Hot Dip Galvanizing, Add	38.77	
			For High Strength Low Alloy A572-50 Steel, Add	19.29	
			For High Strength Low Alloy A588 Steel, Add	42.87	
			For Each Additional Top Copes >2, Add	1.40	
			For Structural Tees, WT, MT Or ST, Deduct	-63.83	
			For Skewed Or Sloped Connections, Add	25.72	
05 12 23 00-0283	LF		W21 x 73 A992/A36 Structural Beam Or Girder	199.53	69.35
			For Hot Dip Galvanizing, Add	34.85	
			For High Strength Low Alloy A572-50 Steel, Add	17.96	
			For High Strength Low Alloy A588 Steel, Add	39.91	
			For Each Additional Top Copes >2, Add	1.26	
			For Structural Tees, WT, MT Or ST, Deduct	-58.74	
			For Skewed Or Sloped Connections, Add	23.94	
05 12 23 00-0284	LF		W21 x 68 A992/A36 Structural Beam Or Girder	192.07	68.95
			For Hot Dip Galvanizing, Add	32.88	
			For High Strength Low Alloy A572-50 Steel, Add	17.29	
			For High Strength Low Alloy A588 Steel, Add	38.41	
			For Each Additional Top Copes >2, Add	1.19	
			For Structural Tees, WT, MT Or ST, Deduct	-56.19	
			For Skewed Or Sloped Connections, Add	23.05	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0285 LF W21 x 62 A992/A36 Structural Beam Or Girder	185.30	68.56
For Hot Dip Galvanizing, Add	31.12	
For High Strength Low Alloy A572-50 Steel, Add	16.68	
For High Strength Low Alloy A588 Steel, Add	37.06	
For Each Additional Top Copes >2, Add	1.12	
For Structural Tees, WT, MT Or ST, Deduct	-53.88	
For Skewed Or Sloped Connections, Add	22.24	
05 12 23 00-0286 LF W21 x 57 A992/A36 Structural Beam Or Girder	179.21	68.43
For Hot Dip Galvanizing, Add	29.50	
For High Strength Low Alloy A572-50 Steel, Add	16.13	
For High Strength Low Alloy A588 Steel, Add	35.84	
For Each Additional Top Copes >2, Add	1.06	
For Structural Tees, WT, MT Or ST, Deduct	-51.79	
For Skewed Or Sloped Connections, Add	21.51	
05 12 23 00-0287 LF W21 x 50 A992/A36 Structural Beam Or Girder	158.75	59.35
For Hot Dip Galvanizing, Add	26.45	
For High Strength Low Alloy A572-50 Steel, Add	14.29	
For High Strength Low Alloy A588 Steel, Add	31.75	
For Each Additional Top Copes >2, Add	0.95	
For Structural Tees, WT, MT Or ST, Deduct	-46.05	
For Skewed Or Sloped Connections, Add	19.05	
05 12 23 00-0288 LF W21 x 44 A992/A36 Structural Beam Or Girder	151.65	59.08
For Hot Dip Galvanizing, Add	24.59	
For High Strength Low Alloy A572-50 Steel, Add	13.65	
For High Strength Low Alloy A588 Steel, Add	30.33	
For Each Additional Top Copes >2, Add	0.89	
For Structural Tees, WT, MT Or ST, Deduct	-43.62	
For Skewed Or Sloped Connections, Add	18.20	
05 12 23 00-0289 LF W18 x 119 A992/A36 Structural Beam Or Girder	262.42	66.81
For Hot Dip Galvanizing, Add	53.05	
For High Strength Low Alloy A572-50 Steel, Add	23.62	
For High Strength Low Alloy A588 Steel, Add	52.48	
For Each Additional Top Copes >2, Add	1.91	
For Structural Tees, WT, MT Or ST, Deduct	-81.16	
For Skewed Or Sloped Connections, Add	31.49	
05 12 23 00-0290 LF W18 x 106 A992/A36 Structural Beam Or Girder	237.80	63.31
For Hot Dip Galvanizing, Add	47.25	
For High Strength Low Alloy A572-50 Steel, Add	21.40	
For High Strength Low Alloy A588 Steel, Add	47.56	
For Each Additional Top Copes >2, Add	1.70	
For Structural Tees, WT, MT Or ST, Deduct	-73.10	
For Skewed Or Sloped Connections, Add	28.54	
05 12 23 00-0291 LF W18 x 97 A992/A36 Structural Beam Or Girder	231.36	70.67
For Hot Dip Galvanizing, Add	43.24	
For High Strength Low Alloy A572-50 Steel, Add	20.82	
For High Strength Low Alloy A588 Steel, Add	46.27	
For Each Additional Top Copes >2, Add	1.56	
For Structural Tees, WT, MT Or ST, Deduct	-69.65	
For Skewed Or Sloped Connections, Add	27.76	
05 12 23 00-0292 LF W18 x 86 A992/A36 Structural Beam Or Girder	217.48	70.01
For Hot Dip Galvanizing, Add	39.61	
For High Strength Low Alloy A572-50 Steel, Add	19.57	
For High Strength Low Alloy A588 Steel, Add	43.50	
For Each Additional Top Copes >2, Add	1.43	
For Structural Tees, WT, MT Or ST, Deduct	-64.91	
For Skewed Or Sloped Connections, Add	26.10	
05 12 23 00-0293 LF W18 x 76 A992/A36 Structural Beam Or Girder	204.97	69.35
For Hot Dip Galvanizing, Add	36.32	
For High Strength Low Alloy A572-50 Steel, Add	18.45	
For High Strength Low Alloy A588 Steel, Add	40.99	
For Each Additional Top Copes >2, Add	1.31	
For Structural Tees, WT, MT Or ST, Deduct	-60.63	
For Skewed Or Sloped Connections, Add	24.60	
05 12 23 00-0294 LF W18 x 71 A992/A36 Structural Beam Or Girder	195.87	69.22
For Hot Dip Galvanizing, Add	33.87	
For High Strength Low Alloy A572-50 Steel, Add	17.63	
For High Strength Low Alloy A588 Steel, Add	39.17	
For Each Additional Top Copes >2, Add	1.22	
For Structural Tees, WT, MT Or ST, Deduct	-57.48	
For Skewed Or Sloped Connections, Add	23.50	
05 12 23 00-0295 LF W18 x 65 A992/A36 Structural Beam Or Girder	186.99	68.95
For Hot Dip Galvanizing, Add	31.51	
For High Strength Low Alloy A572-50 Steel, Add	16.83	
For High Strength Low Alloy A588 Steel, Add	37.40	
For Each Additional Top Copes >2, Add	1.14	
For Structural Tees, WT, MT Or ST, Deduct	-54.43	
For Skewed Or Sloped Connections, Add	22.44	
05 12 23 00-0296 LF W18 x 60 A992/A36 Structural Beam Or Girder	178.97	68.43
For Hot Dip Galvanizing, Add	29.40	
For High Strength Low Alloy A572-50 Steel, Add	16.11	
For High Strength Low Alloy A588 Steel, Add	35.79	
For Each Additional Top Copes >2, Add	1.06	
For Structural Tees, WT, MT Or ST, Deduct	-51.69	
For Skewed Or Sloped Connections, Add	21.48	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0297 LF W18 x 55 A992/A36 Structural Beam Or Girder	170.93	68.30
For Hot Dip Galvanizing, Add	27.24	
For High Strength Low Alloy A572-50 Steel, Add	15.38	
For High Strength Low Alloy A588 Steel, Add	34.19	
For Each Additional Top Copes >2, Add	0.98	
For Structural Tees, WT, MT Or ST, Deduct	-48.91	
For Skewed Or Sloped Connections, Add	20.51	
05 12 23 00-0298 LF W18 x 50 A992/A36 Structural Beam Or Girder	153.80	59.35
For Hot Dip Galvanizing, Add	25.08	
For High Strength Low Alloy A572-50 Steel, Add	13.84	
For High Strength Low Alloy A588 Steel, Add	30.76	
For Each Additional Top Copes >2, Add	0.90	
For Structural Tees, WT, MT Or ST, Deduct	-44.32	
For Skewed Or Sloped Connections, Add	18.46	
05 12 23 00-0299 LF W18 x 46 A992/A36 Structural Beam Or Girder	147.52	59.21
For Hot Dip Galvanizing, Add	23.41	
For High Strength Low Alloy A572-50 Steel, Add	13.28	
For High Strength Low Alloy A588 Steel, Add	29.50	
For Each Additional Top Copes >2, Add	0.84	
For Structural Tees, WT, MT Or ST, Deduct	-42.16	
For Skewed Or Sloped Connections, Add	17.70	
05 12 23 00-0300 LF W18 x 40 A992/A36 Structural Beam Or Girder	128.95	50.53
For Hot Dip Galvanizing, Add	20.81	
For High Strength Low Alloy A572-50 Steel, Add	11.61	
For High Strength Low Alloy A588 Steel, Add	25.79	
For Each Additional Top Copes >2, Add	0.75	
For Structural Tees, WT, MT Or ST, Deduct	-37.04	
For Skewed Or Sloped Connections, Add	15.47	
05 12 23 00-0301 LF W18 x 35 A992/A36 Structural Beam Or Girder	121.08	50.40
For Hot Dip Galvanizing, Add	18.70	
For High Strength Low Alloy A572-50 Steel, Add	10.90	
For High Strength Low Alloy A588 Steel, Add	24.22	
For Each Additional Top Copes >2, Add	0.67	
For Structural Tees, WT, MT Or ST, Deduct	-34.32	
For Skewed Or Sloped Connections, Add	14.53	
05 12 23 00-0302 LF W16 x 100 A992/A36 Structural Beam Or Girder	216.44	45.92
For Hot Dip Galvanizing, Add	46.48	
For High Strength Low Alloy A572-50 Steel, Add	19.48	
For High Strength Low Alloy A588 Steel, Add	43.29	
For Each Additional Top Copes >2, Add	1.67	
For Structural Tees, WT, MT Or ST, Deduct	-68.41	
For Skewed Or Sloped Connections, Add	25.97	
05 12 23 00-0303 LF W16 x 89 A992/A36 Structural Beam Or Girder	198.67	45.14
For Hot Dip Galvanizing, Add	41.77	
For High Strength Low Alloy A572-50 Steel, Add	17.88	
For High Strength Low Alloy A588 Steel, Add	39.73	
For Each Additional Top Copes >2, Add	1.51	
For Structural Tees, WT, MT Or ST, Deduct	-62.31	
For Skewed Or Sloped Connections, Add	23.84	
05 12 23 00-0304 LF W16 x 77 A992/A36 Structural Beam Or Girder	179.63	44.61
For Hot Dip Galvanizing, Add	36.66	
For High Strength Low Alloy A572-50 Steel, Add	16.17	
For High Strength Low Alloy A588 Steel, Add	35.93	
For Each Additional Top Copes >2, Add	1.32	
For Structural Tees, WT, MT Or ST, Deduct	-55.74	
For Skewed Or Sloped Connections, Add	21.56	
05 12 23 00-0305 LF W16 x 67 A992/A36 Structural Beam Or Girder	163.40	43.95
For Hot Dip Galvanizing, Add	32.34	
For High Strength Low Alloy A572-50 Steel, Add	14.71	
For High Strength Low Alloy A588 Steel, Add	32.68	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-50.16	
For Skewed Or Sloped Connections, Add	19.61	
05 12 23 00-0306 LF W16 x 57 A992/A36 Structural Beam Or Girder	147.36	43.30
For Hot Dip Galvanizing, Add	28.07	
For High Strength Low Alloy A572-50 Steel, Add	13.26	
For High Strength Low Alloy A588 Steel, Add	29.47	
For Each Additional Top Copes >2, Add	1.01	
For Structural Tees, WT, MT Or ST, Deduct	-44.65	
For Skewed Or Sloped Connections, Add	17.68	
05 12 23 00-0307 LF W16 x 50 A992/A36 Structural Beam Or Girder	136.17	42.90
For Hot Dip Galvanizing, Add	25.08	
For High Strength Low Alloy A572-50 Steel, Add	12.26	
For High Strength Low Alloy A588 Steel, Add	27.23	
For Each Additional Top Copes >2, Add	0.90	
For Structural Tees, WT, MT Or ST, Deduct	-40.79	
For Skewed Or Sloped Connections, Add	16.34	
05 12 23 00-0308 LF W16 x 45 A992/A36 Structural Beam Or Girder	128.30	42.64
For Hot Dip Galvanizing, Add	22.97	
For High Strength Low Alloy A572-50 Steel, Add	11.55	
For High Strength Low Alloy A588 Steel, Add	25.66	
For Each Additional Top Copes >2, Add	0.83	
For Structural Tees, WT, MT Or ST, Deduct	-38.08	
For Skewed Or Sloped Connections, Add	15.40	



	Metals	05	
	Structural Metal Framing	05 10	05
	Structural Steel Framing	05 12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0309	LF	W16 x 40 A992/A36 Structural Beam Or Girder	120.13	42.24
		For Hot Dip Galvanizing, Add	20.81	
		For High Strength Low Alloy A572-50 Steel, Add	10.81	
		For High Strength Low Alloy A588 Steel, Add	24.03	
		For Each Additional Top Copes >2, Add	0.75	
		For Structural Tees, WT, MT Or ST, Deduct	-35.27	
		For Skewed Or Sloped Connections, Add	14.42	
05 12 23 00-0310	LF	W16 x 36 A992/A36 Structural Beam Or Girder	113.72	41.98
		For Hot Dip Galvanizing, Add	19.14	
		For High Strength Low Alloy A572-50 Steel, Add	10.23	
		For High Strength Low Alloy A588 Steel, Add	22.74	
		For Each Additional Top Copes >2, Add	0.69	
		For Structural Tees, WT, MT Or ST, Deduct	-33.09	
		For Skewed Or Sloped Connections, Add	13.65	
05 12 23 00-0311	LF	W16 x 31 A992/A36 Structural Beam Or Girder	96.86	33.43
		For Hot Dip Galvanizing, Add	16.98	
		For High Strength Low Alloy A572-50 Steel, Add	8.72	
		For High Strength Low Alloy A588 Steel, Add	19.37	
		For Each Additional Top Copes >2, Add	0.61	
		For Structural Tees, WT, MT Or ST, Deduct	-28.55	
		For Skewed Or Sloped Connections, Add	11.62	
05 12 23 00-0312	LF	W16 x 26 A992/A36 Structural Beam Or Girder	86.57	33.03
		For Hot Dip Galvanizing, Add	14.24	
		For High Strength Low Alloy A572-50 Steel, Add	7.79	
		For High Strength Low Alloy A588 Steel, Add	17.31	
		For Each Additional Top Copes >2, Add	0.51	
		For Structural Tees, WT, MT Or ST, Deduct	-25.01	
		For Skewed Or Sloped Connections, Add	10.39	
05 12 23 00-0313	LF	W14 x 99 A992/A36 Structural Beam Or Girder	206.04	37.64
		For Hot Dip Galvanizing, Add	46.04	
		For High Strength Low Alloy A572-50 Steel, Add	18.54	
		For High Strength Low Alloy A588 Steel, Add	41.21	
		For Each Additional Top Copes >2, Add	1.66	
		For Structural Tees, WT, MT Or ST, Deduct	-66.09	
		For Skewed Or Sloped Connections, Add	24.72	
05 12 23 00-0314	LF	W14 x 90 A992/A36 Structural Beam Or Girder	191.57	36.98
		For Hot Dip Galvanizing, Add	42.21	
		For High Strength Low Alloy A572-50 Steel, Add	17.24	
		For High Strength Low Alloy A588 Steel, Add	38.31	
		For Each Additional Top Copes >2, Add	1.52	
		For Structural Tees, WT, MT Or ST, Deduct	-61.13	
		For Skewed Or Sloped Connections, Add	22.99	
05 12 23 00-0315	LF	W14 x 82 A992/A36 Structural Beam Or Girder	178.67	36.59
		For Hot Dip Galvanizing, Add	38.77	
		For High Strength Low Alloy A572-50 Steel, Add	16.08	
		For High Strength Low Alloy A588 Steel, Add	35.73	
		For Each Additional Top Copes >2, Add	1.40	
		For Structural Tees, WT, MT Or ST, Deduct	-56.69	
		For Skewed Or Sloped Connections, Add	21.44	
05 12 23 00-0316	LF	W14 x 74 A992/A36 Structural Beam Or Girder	165.78	36.06
		For Hot Dip Galvanizing, Add	35.34	
		For High Strength Low Alloy A572-50 Steel, Add	14.92	
		For High Strength Low Alloy A588 Steel, Add	33.16	
		For Each Additional Top Copes >2, Add	1.27	
		For Structural Tees, WT, MT Or ST, Deduct	-52.26	
		For Skewed Or Sloped Connections, Add	19.89	
05 12 23 00-0317	LF	W14 x 68 A992/A36 Structural Beam Or Girder	156.18	35.66
		For Hot Dip Galvanizing, Add	32.79	
		For High Strength Low Alloy A572-50 Steel, Add	14.06	
		For High Strength Low Alloy A588 Steel, Add	31.24	
		For Each Additional Top Copes >2, Add	1.18	
		For Structural Tees, WT, MT Or ST, Deduct	-48.96	
		For Skewed Or Sloped Connections, Add	18.74	
05 12 23 00-0318	LF	W14 x 61 A992/A36 Structural Beam Or Girder	145.00	35.26
		For Hot Dip Galvanizing, Add	29.79	
		For High Strength Low Alloy A572-50 Steel, Add	13.05	
		For High Strength Low Alloy A588 Steel, Add	29.00	
		For Each Additional Top Copes >2, Add	1.07	
		For Structural Tees, WT, MT Or ST, Deduct	-45.10	
		For Skewed Or Sloped Connections, Add	17.40	
05 12 23 00-0319	LF	W14 x 53 A992/A36 Structural Beam Or Girder	132.26	34.74
		For Hot Dip Galvanizing, Add	26.40	
		For High Strength Low Alloy A572-50 Steel, Add	11.90	
		For High Strength Low Alloy A588 Steel, Add	26.45	
		For Each Additional Top Copes >2, Add	0.95	
		For Structural Tees, WT, MT Or ST, Deduct	-40.72	
		For Skewed Or Sloped Connections, Add	15.87	
05 12 23 00-0320	LF	W14 x 48 A992/A36 Structural Beam Or Girder	124.09	34.35
		For Hot Dip Galvanizing, Add	24.25	
		For High Strength Low Alloy A572-50 Steel, Add	11.17	
		For High Strength Low Alloy A588 Steel, Add	24.82	
		For Each Additional Top Copes >2, Add	0.87	
		For Structural Tees, WT, MT Or ST, Deduct	-37.92	
		For Skewed Or Sloped Connections, Add	14.89	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0321 LF W14 x 43 A992/A36 Structural Beam Or Girder	116.05	34.21
For Hot Dip Galvanizing, Add	22.09	
For High Strength Low Alloy A572-50 Steel, Add	10.44	
For High Strength Low Alloy A588 Steel, Add	23.21	
For Each Additional Top Copes >2, Add	0.80	
For Structural Tees, WT, MT Or ST, Deduct	-35.15	
For Skewed Or Sloped Connections, Add	13.93	
05 12 23 00-0322 LF W14 x 38 A992/A36 Structural Beam Or Girder	108.04	33.95
For Hot Dip Galvanizing, Add	19.97	
For High Strength Low Alloy A572-50 Steel, Add	9.72	
For High Strength Low Alloy A588 Steel, Add	21.61	
For Each Additional Top Copes >2, Add	0.72	
For Structural Tees, WT, MT Or ST, Deduct	-32.41	
For Skewed Or Sloped Connections, Add	12.96	
05 12 23 00-0323 LF W14 x 34 A992/A36 Structural Beam Or Girder	101.58	33.56
For Hot Dip Galvanizing, Add	18.26	
For High Strength Low Alloy A572-50 Steel, Add	9.14	
For High Strength Low Alloy A588 Steel, Add	20.32	
For Each Additional Top Copes >2, Add	0.66	
For Structural Tees, WT, MT Or ST, Deduct	-30.18	
For Skewed Or Sloped Connections, Add	12.19	
05 12 23 00-0324 LF W14 x 30 A992/A36 Structural Beam Or Girder	95.13	33.43
For Hot Dip Galvanizing, Add	16.54	
For High Strength Low Alloy A572-50 Steel, Add	8.56	
For High Strength Low Alloy A588 Steel, Add	19.03	
For Each Additional Top Copes >2, Add	0.60	
For Structural Tees, WT, MT Or ST, Deduct	-27.97	
For Skewed Or Sloped Connections, Add	11.42	
05 12 23 00-0325 LF W14 x 26 A992/A36 Structural Beam Or Girder	88.67	33.03
For Hot Dip Galvanizing, Add	14.82	
For High Strength Low Alloy A572-50 Steel, Add	7.98	
For High Strength Low Alloy A588 Steel, Add	17.73	
For Each Additional Top Copes >2, Add	0.53	
For Structural Tees, WT, MT Or ST, Deduct	-25.75	
For Skewed Or Sloped Connections, Add	10.64	
05 12 23 00-0326 LF W14 x 22 A992/A36 Structural Beam Or Girder	82.40	32.90
For Hot Dip Galvanizing, Add	13.15	
For High Strength Low Alloy A572-50 Steel, Add	7.42	
For High Strength Low Alloy A588 Steel, Add	16.48	
For Each Additional Top Copes >2, Add	0.47	
For Structural Tees, WT, MT Or ST, Deduct	-23.59	
For Skewed Or Sloped Connections, Add	9.89	
05 12 23 00-0327 LF W12 x 87 A992/A36 Structural Beam Or Girder	186.86	36.85
For Hot Dip Galvanizing, Add	40.93	
For High Strength Low Alloy A572-50 Steel, Add	16.82	
For High Strength Low Alloy A588 Steel, Add	37.37	
For Each Additional Top Copes >2, Add	1.48	
For Structural Tees, WT, MT Or ST, Deduct	-59.50	
For Skewed Or Sloped Connections, Add	22.42	
05 12 23 00-0328 LF W12 x 79 A992/A36 Structural Beam Or Girder	173.94	36.32
For Hot Dip Galvanizing, Add	37.50	
For High Strength Low Alloy A572-50 Steel, Add	15.65	
For High Strength Low Alloy A588 Steel, Add	34.79	
For Each Additional Top Copes >2, Add	1.35	
For Structural Tees, WT, MT Or ST, Deduct	-55.06	
For Skewed Or Sloped Connections, Add	20.87	
05 12 23 00-0329 LF W12 x 72 A992/A36 Structural Beam Or Girder	162.63	35.93
For Hot Dip Galvanizing, Add	34.50	
For High Strength Low Alloy A572-50 Steel, Add	14.64	
For High Strength Low Alloy A588 Steel, Add	32.53	
For Each Additional Top Copes >2, Add	1.24	
For Structural Tees, WT, MT Or ST, Deduct	-51.18	
For Skewed Or Sloped Connections, Add	19.52	
05 12 23 00-0330 LF W12 x 65 A992/A36 Structural Beam Or Girder	151.45	35.53
For Hot Dip Galvanizing, Add	31.51	
For High Strength Low Alloy A572-50 Steel, Add	13.63	
For High Strength Low Alloy A588 Steel, Add	30.29	
For Each Additional Top Copes >2, Add	1.14	
For Structural Tees, WT, MT Or ST, Deduct	-47.32	
For Skewed Or Sloped Connections, Add	18.17	
05 12 23 00-0331 LF W12 x 58 A992/A36 Structural Beam Or Girder	140.13	35.00
For Hot Dip Galvanizing, Add	28.52	
For High Strength Low Alloy A572-50 Steel, Add	12.61	
For High Strength Low Alloy A588 Steel, Add	28.03	
For Each Additional Top Copes >2, Add	1.03	
For Structural Tees, WT, MT Or ST, Deduct	-43.44	
For Skewed Or Sloped Connections, Add	16.82	
05 12 23 00-0332 LF W12 x 53 A992/A36 Structural Beam Or Girder	132.26	34.74
For Hot Dip Galvanizing, Add	26.40	
For High Strength Low Alloy A572-50 Steel, Add	11.90	
For High Strength Low Alloy A588 Steel, Add	26.45	
For Each Additional Top Copes >2, Add	0.95	
For Structural Tees, WT, MT Or ST, Deduct	-40.72	
For Skewed Or Sloped Connections, Add	15.87	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0333 LF W12 x 50 A992/A36 Structural Beam Or Girder	127.23	34.61
For Hot Dip Galvanizing, Add	25.08	
For High Strength Low Alloy A572-50 Steel, Add	11.45	
For High Strength Low Alloy A588 Steel, Add	25.45	
For Each Additional Top Copes >2, Add	0.90	
For Structural Tees, WT, MT Or ST, Deduct	-39.00	
For Skewed Or Sloped Connections, Add	15.27	
05 12 23 00-0334 LF W12 x 45 A992/A36 Structural Beam Or Girder	119.36	34.35
For Hot Dip Galvanizing, Add	22.97	
For High Strength Low Alloy A572-50 Steel, Add	10.74	
For High Strength Low Alloy A588 Steel, Add	23.87	
For Each Additional Top Copes >2, Add	0.83	
For Structural Tees, WT, MT Or ST, Deduct	-36.29	
For Skewed Or Sloped Connections, Add	14.32	
05 12 23 00-0335 LF W12 x 40 A992/A36 Structural Beam Or Girder	102.23	25.53
For Hot Dip Galvanizing, Add	20.81	
For High Strength Low Alloy A572-50 Steel, Add	9.20	
For High Strength Low Alloy A588 Steel, Add	20.45	
For Each Additional Top Copes >2, Add	0.75	
For Structural Tees, WT, MT Or ST, Deduct	-31.69	
For Skewed Or Sloped Connections, Add	12.27	
05 12 23 00-0336 LF W12 x 35 A992/A36 Structural Beam Or Girder	94.37	25.39
For Hot Dip Galvanizing, Add	18.70	
For High Strength Low Alloy A572-50 Steel, Add	8.49	
For High Strength Low Alloy A588 Steel, Add	18.87	
For Each Additional Top Copes >2, Add	0.67	
For Structural Tees, WT, MT Or ST, Deduct	-28.98	
For Skewed Or Sloped Connections, Add	11.32	
05 12 23 00-0337 LF W12 x 30 A992/A36 Structural Beam Or Girder	86.18	25.00
For Hot Dip Galvanizing, Add	16.54	
For High Strength Low Alloy A572-50 Steel, Add	7.76	
For High Strength Low Alloy A588 Steel, Add	17.24	
For Each Additional Top Copes >2, Add	0.60	
For Structural Tees, WT, MT Or ST, Deduct	-26.18	
For Skewed Or Sloped Connections, Add	10.34	
05 12 23 00-0338 LF W12 x 26 A992/A36 Structural Beam Or Girder	79.73	24.74
For Hot Dip Galvanizing, Add	14.82	
For High Strength Low Alloy A572-50 Steel, Add	7.18	
For High Strength Low Alloy A588 Steel, Add	15.95	
For Each Additional Top Copes >2, Add	0.53	
For Structural Tees, WT, MT Or ST, Deduct	-23.96	
For Skewed Or Sloped Connections, Add	9.57	
05 12 23 00-0339 LF W12 x 22 A992/A36 Structural Beam Or Girder	73.46	24.48
For Hot Dip Galvanizing, Add	13.15	
For High Strength Low Alloy A572-50 Steel, Add	6.61	
For High Strength Low Alloy A588 Steel, Add	14.69	
For Each Additional Top Copes >2, Add	0.47	
For Structural Tees, WT, MT Or ST, Deduct	-21.80	
For Skewed Or Sloped Connections, Add	8.82	
05 12 23 00-0340 LF W12 x 19 A992/A36 Structural Beam Or Girder	68.55	24.34
For Hot Dip Galvanizing, Add	11.83	
For High Strength Low Alloy A572-50 Steel, Add	6.17	
For High Strength Low Alloy A588 Steel, Add	13.71	
For Each Additional Top Copes >2, Add	0.43	
For Structural Tees, WT, MT Or ST, Deduct	-20.10	
For Skewed Or Sloped Connections, Add	8.23	
05 12 23 00-0341 LF W12 x 16 A992/A36 Structural Beam Or Girder	63.70	23.95
For Hot Dip Galvanizing, Add	10.55	
For High Strength Low Alloy A572-50 Steel, Add	5.73	
For High Strength Low Alloy A588 Steel, Add	12.74	
For Each Additional Top Copes >2, Add	0.38	
For Structural Tees, WT, MT Or ST, Deduct	-18.44	
For Skewed Or Sloped Connections, Add	7.64	
05 12 23 00-0342 LF W12 x 14 A992/A36 Structural Beam Or Girder	60.55	23.95
For Hot Dip Galvanizing, Add	9.72	
For High Strength Low Alloy A572-50 Steel, Add	5.45	
For High Strength Low Alloy A588 Steel, Add	12.11	
For Each Additional Top Copes >2, Add	0.35	
For Structural Tees, WT, MT Or ST, Deduct	-17.36	
For Skewed Or Sloped Connections, Add	7.27	
05 12 23 00-0343 LF W10 x 68 A992/A36 Structural Beam Or Girder	147.72	27.50
For Hot Dip Galvanizing, Add	32.88	
For High Strength Low Alloy A572-50 Steel, Add	13.29	
For High Strength Low Alloy A588 Steel, Add	29.54	
For Each Additional Top Copes >2, Add	1.19	
For Structural Tees, WT, MT Or ST, Deduct	-47.32	
For Skewed Or Sloped Connections, Add	17.73	
05 12 23 00-0344 LF W10 x 60 A992/A36 Structural Beam Or Girder	134.98	26.98
For Hot Dip Galvanizing, Add	29.50	
For High Strength Low Alloy A572-50 Steel, Add	12.15	
For High Strength Low Alloy A588 Steel, Add	27.00	
For Each Additional Top Copes >2, Add	1.06	
For Structural Tees, WT, MT Or ST, Deduct	-42.94	
For Skewed Or Sloped Connections, Add	16.20	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0345 LF W10 x 54 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	125.21 26.90 11.27 25.04 0.97 -39.58 15.03	26.45
05 12 23 00-0346 LF W10 x 49 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	117.22 24.79 10.55 23.44 0.89 -36.84 14.07	26.19
05 12 23 00-0347 LF W10 x 45 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	110.76 23.07 9.97 22.15 0.83 -34.62 13.29	26.06
05 12 23 00-0348 LF W10 x 39 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	101.17 20.52 9.11 20.23 0.74 -31.32 12.14	25.53
05 12 23 00-0349 LF W10 x 33 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	91.58 17.96 8.24 18.32 0.65 -28.03 10.99	25.13
05 12 23 00-0350 LF W10 x 30 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	86.68 16.64 7.80 17.34 0.60 -26.33 10.40	25.00
05 12 23 00-0351 LF W10 x 26 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	80.39 14.97 7.24 16.08 0.54 -24.17 9.65	24.87
05 12 23 00-0352 LF W10 x 22 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	73.81 13.25 6.64 14.76 0.48 -21.92 8.86	24.48
05 12 23 00-0353 LF W10 x 19 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	69.09 11.98 6.22 13.82 0.43 -20.29 8.29	24.34
05 12 23 00-0354 LF W10 x 17 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	65.77 11.09 5.92 13.15 0.40 -19.15 7.89	24.21
05 12 23 00-0355 LF W10 x 15 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	62.63 10.26 5.64 12.53 0.37 -18.07 7.52	23.95
05 12 23 00-0356 LF W10 x 12 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	57.90 8.98 5.21 11.58 0.32 -16.44 6.95	23.95



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0357	LF	W8 x 35 A992/A36 Structural Beam Or Girder	94.72	25.39
		For Hot Dip Galvanizing, Add	18.80	
		For High Strength Low Alloy A572-50 Steel, Add	8.52	
		For High Strength Low Alloy A588 Steel, Add	18.94	
		For Each Additional Top Copes >2, Add	0.68	
		For Structural Tees, WT, MT Or ST, Deduct	-29.11	
		For Skewed Or Sloped Connections, Add	11.37	
05 12 23 00-0358	LF	W8 x 31 A992/A36 Structural Beam Or Girder	88.27	25.00
		For Hot Dip Galvanizing, Add	17.08	
		For High Strength Low Alloy A572-50 Steel, Add	7.94	
		For High Strength Low Alloy A588 Steel, Add	17.65	
		For Each Additional Top Copes >2, Add	0.62	
		For Structural Tees, WT, MT Or ST, Deduct	-26.89	
		For Skewed Or Sloped Connections, Add	10.59	
05 12 23 00-0359	LF	W8 x 28 A992/A36 Structural Beam Or Girder	82.08	23.56
		For Hot Dip Galvanizing, Add	15.80	
		For High Strength Low Alloy A572-50 Steel, Add	7.39	
		For High Strength Low Alloy A588 Steel, Add	16.42	
		For Each Additional Top Copes >2, Add	0.57	
		For Structural Tees, WT, MT Or ST, Deduct	-24.96	
		For Skewed Or Sloped Connections, Add	9.85	
05 12 23 00-0360	LF	W8 x 24 A992/A36 Structural Beam Or Girder	74.87	22.10
		For Hot Dip Galvanizing, Add	14.24	
		For High Strength Low Alloy A572-50 Steel, Add	6.74	
		For High Strength Low Alloy A588 Steel, Add	14.97	
		For Each Additional Top Copes >2, Add	0.51	
		For Structural Tees, WT, MT Or ST, Deduct	-22.67	
		For Skewed Or Sloped Connections, Add	8.98	
05 12 23 00-0361	LF	W8 x 21 A992/A36 Structural Beam Or Girder	69.66	20.53
		For Hot Dip Galvanizing, Add	13.23	
		For High Strength Low Alloy A572-50 Steel, Add	6.27	
		For High Strength Low Alloy A588 Steel, Add	13.93	
		For Each Additional Top Copes >2, Add	0.48	
		For Structural Tees, WT, MT Or ST, Deduct	-21.09	
		For Skewed Or Sloped Connections, Add	8.36	
05 12 23 00-0362	LF	W8 x 18 A992/A36 Structural Beam Or Girder	61.01	19.09
		For Hot Dip Galvanizing, Add	11.27	
		For High Strength Low Alloy A572-50 Steel, Add	5.49	
		For High Strength Low Alloy A588 Steel, Add	12.20	
		For Each Additional Top Copes >2, Add	0.41	
		For Structural Tees, WT, MT Or ST, Deduct	-18.29	
		For Skewed Or Sloped Connections, Add	7.32	
05 12 23 00-0363	LF	W8 x 10 A992/A36 Structural Beam Or Girder	36.15	13.69
		For Hot Dip Galvanizing, Add	6.02	
		For High Strength Low Alloy A572-50 Steel, Add	3.25	
		For High Strength Low Alloy A588 Steel, Add	7.23	
		For Each Additional Top Copes >2, Add	0.22	
		For Structural Tees, WT, MT Or ST, Deduct	-10.48	
		For Skewed Or Sloped Connections, Add	4.34	
05 12 23 00-0364	LF	W6 x 9 A992/A36 Structural Beam Or Girder	33.24	11.18
		For Hot Dip Galvanizing, Add	5.94	
		For High Strength Low Alloy A572-50 Steel, Add	2.99	
		For High Strength Low Alloy A588 Steel, Add	6.65	
		For Each Additional Top Copes >2, Add	0.21	
		For Structural Tees, WT, MT Or ST, Deduct	-9.86	
		For Skewed Or Sloped Connections, Add	3.99	
05 12 23 00-0365		A992/A36 Structural Steel, M Shapes (05 12 23 00-0147)		
		Note: Includes material delivery and erection.		
05 12 23 00-0366	LF	M14 x 18 A992/A36 Structural Steel.....	63.30	17.60
		For Hot Dip Galvanizing, Add	12.36	
		For High Strength Low Alloy A572-50 Steel, Add	5.70	
		For High Strength Low Alloy A588 Grade B Steel, Add	12.66	
05 12 23 00-0367	LF	M12 x 11.8 A992/A36 Structural Steel.....	45.80	15.57
		For Hot Dip Galvanizing, Add	8.10	
		For High Strength Low Alloy A572-50 Steel, Add	4.12	
		For High Strength Low Alloy A588 Grade B Steel, Add	9.16	
05 12 23 00-0368	LF	M10 x 9 A992/A36 Structural Steel.....	35.59	12.50
		For Hot Dip Galvanizing, Add	6.18	
		For High Strength Low Alloy A572-50 Steel, Add	3.20	
		For High Strength Low Alloy A588 Grade B Steel, Add	7.12	
05 12 23 00-0369	LF	M8 x 6.5 A992/A36 Structural Steel.....	25.70	9.02
		For Hot Dip Galvanizing, Add	4.46	
		For High Strength Low Alloy A572-50 Steel, Add	2.31	
		For High Strength Low Alloy A588 Grade B Steel, Add	5.14	
05 12 23 00-0370	LF	M6 x 20 A992/A36 Structural Steel.....	71.86	21.18
		For Hot Dip Galvanizing, Add	13.73	
		For High Strength Low Alloy A572-50 Steel, Add	6.47	
		For High Strength Low Alloy A588 Grade B Steel, Add	14.37	
05 12 23 00-0371	LF	M6 x 4.4 A992/A36 Structural Steel.....	17.39	6.10
		For Hot Dip Galvanizing, Add	3.02	
		For High Strength Low Alloy A572-50 Steel, Add	1.57	
		For High Strength Low Alloy A588 Grade B Steel, Add	3.48	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0372	LF		M5 x 18.9 A992/A36 Structural Steel	69.32	21.18
			For Hot Dip Galvanizing, Add	12.95	
			For High Strength Low Alloy A572-50 Steel, Add	6.24	
			For High Strength Low Alloy A588 Grade B Steel, Add	13.86	
05 12 23 00-0373	LF		M4 x 13 A992/A36 Structural Steel	57.31	20.79
			For Hot Dip Galvanizing, Add	9.77	
			For High Strength Low Alloy A572-50 Steel, Add	5.16	
			For High Strength Low Alloy A588 Grade B Steel, Add	11.46	
05 12 23 00-0374 A992/A36 Structural Steel, S Shapes (05 12 23 00-0147)					
Note: Includes material delivery and erection.					
05 12 23 00-0375	LF		S24 x 121 A992/A36 Structural Steel	378.67	89.16
			For Hot Dip Galvanizing, Add	78.70	
			For High Strength Low Alloy A572-50 Steel, Add	34.08	
			For High Strength Low Alloy A588 Grade B Steel, Add	75.73	
05 12 23 00-0376	LF		S24 x 106 A992/A36 Structural Steel	336.11	82.22
			For Hot Dip Galvanizing, Add	68.94	
			For High Strength Low Alloy A572-50 Steel, Add	30.25	
			For High Strength Low Alloy A588 Grade B Steel, Add	67.22	
05 12 23 00-0377	LF		S24 x 100 A992/A36 Structural Steel	321.43	81.64
			For Hot Dip Galvanizing, Add	65.04	
			For High Strength Low Alloy A572-50 Steel, Add	28.93	
			For High Strength Low Alloy A588 Grade B Steel, Add	64.29	
05 12 23 00-0378	LF		S24 x 90 A992/A36 Structural Steel	293.42	77.34
			For Hot Dip Galvanizing, Add	58.54	
			For High Strength Low Alloy A572-50 Steel, Add	26.41	
			For High Strength Low Alloy A588 Grade B Steel, Add	58.68	
05 12 23 00-0379	LF		S24 x 80 A992/A36 Structural Steel	264.66	72.38
			For Hot Dip Galvanizing, Add	52.03	
			For High Strength Low Alloy A572-50 Steel, Add	23.82	
			For High Strength Low Alloy A588 Grade B Steel, Add	52.93	
05 12 23 00-0380	LF		S20 x 96 A992/A36 Structural Steel	308.58	78.38
			For Hot Dip Galvanizing, Add	62.44	
			For High Strength Low Alloy A572-50 Steel, Add	27.77	
			For High Strength Low Alloy A588 Grade B Steel, Add	61.72	
05 12 23 00-0381	LF		S20 x 86 A992/A36 Structural Steel	280.37	73.91
			For Hot Dip Galvanizing, Add	55.94	
			For High Strength Low Alloy A572-50 Steel, Add	25.23	
			For High Strength Low Alloy A588 Grade B Steel, Add	56.07	
05 12 23 00-0382	LF		S20 x 75 A992/A36 Structural Steel	248.12	67.86
			For Hot Dip Galvanizing, Add	48.78	
			For High Strength Low Alloy A572-50 Steel, Add	22.33	
			For High Strength Low Alloy A588 Grade B Steel, Add	49.62	
05 12 23 00-0383	LF		S20 x 66 A992/A36 Structural Steel	221.69	62.85
			For Hot Dip Galvanizing, Add	42.93	
			For High Strength Low Alloy A572-50 Steel, Add	19.95	
			For High Strength Low Alloy A588 Grade B Steel, Add	44.34	
05 12 23 00-0384	LF		S18 x 70 A992/A36 Structural Steel	235.14	66.66
			For Hot Dip Galvanizing, Add	45.53	
			For High Strength Low Alloy A572-50 Steel, Add	21.16	
			For High Strength Low Alloy A588 Grade B Steel, Add	47.03	
05 12 23 00-0385	LF		S18 x 54.7 A992/A36 Structural Steel	186.67	54.83
			For Hot Dip Galvanizing, Add	35.58	
			For High Strength Low Alloy A572-50 Steel, Add	16.80	
			For High Strength Low Alloy A588 Grade B Steel, Add	37.33	
05 12 23 00-0386	LF		S15 x 50 A992/A36 Structural Steel	173.44	52.76
			For Hot Dip Galvanizing, Add	32.52	
			For High Strength Low Alloy A572-50 Steel, Add	15.61	
			For High Strength Low Alloy A588 Grade B Steel, Add	34.69	
05 12 23 00-0387	LF		S15 x 42.9 A992/A36 Structural Steel	151.35	47.64
			For Hot Dip Galvanizing, Add	27.90	
			For High Strength Low Alloy A572-50 Steel, Add	13.62	
			For High Strength Low Alloy A588 Grade B Steel, Add	30.27	
05 12 23 00-0388	LF		S12 x 50 A992/A36 Structural Steel	170.63	50.12
			For Hot Dip Galvanizing, Add	32.52	
			For High Strength Low Alloy A572-50 Steel, Add	15.36	
			For High Strength Low Alloy A588 Grade B Steel, Add	34.13	
05 12 23 00-0389	LF		S12 x 40.8 A992/A36 Structural Steel	141.52	43.05
			For Hot Dip Galvanizing, Add	26.54	
			For High Strength Low Alloy A572-50 Steel, Add	12.74	
			For High Strength Low Alloy A588 Grade B Steel, Add	28.30	
05 12 23 00-0390	LF		S12 x 35 A992/A36 Structural Steel	123.47	38.87
			For Hot Dip Galvanizing, Add	22.76	
			For High Strength Low Alloy A572-50 Steel, Add	11.11	
			For High Strength Low Alloy A588 Grade B Steel, Add	24.69	
05 12 23 00-0391	LF		S12 x 31.8 A992/A36 Structural Steel	114.17	37.18
			For Hot Dip Galvanizing, Add	20.68	
			For High Strength Low Alloy A572-50 Steel, Add	10.28	
			For High Strength Low Alloy A588 Grade B Steel, Add	22.83	
05 12 23 00-0392	LF		S10 x 35 A992/A36 Structural Steel	125.66	40.93
			For Hot Dip Galvanizing, Add	22.76	
			For High Strength Low Alloy A572-50 Steel, Add	11.31	
			For High Strength Low Alloy A588 Grade B Steel, Add	25.13	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0393	LF		S10 x 25.4 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	92.86 16.52 8.36 18.57	31.26
05 12 23 00-0394	LF		S8 x 23 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	84.09 14.96 7.57 16.82	28.30
05 12 23 00-0395	LF		S8 x 18.4 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	68.55 11.97 6.17 13.71	23.84
05 12 23 00-0396	LF		S7 x 20 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	74.50 13.01 6.71 14.90	25.91
05 12 23 00-0397	LF		S7 x 15.3 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	58.11 9.95 5.23 11.62	20.87
05 12 23 00-0398	LF		S6 x 17.25 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	64.13 11.22 5.77 12.83	22.22
05 12 23 00-0399	LF		S6 x 12.5 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	55.14 9.20 4.96 11.03	20.53
05 12 23 00-0400	LF		S5 x 14.75 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	58.60 10.09 5.27 11.72	20.92
05 12 23 00-0401	LF		S5 x 10 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	50.05 7.83 4.50 10.01	20.40
05 12 23 00-0402	LF		S4 x 9.5 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	48.75 7.47 4.39 9.75	20.40
05 12 23 00-0403	LF		S4 x 7.7 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	45.71 6.66 4.11 9.14	20.40
05 12 23 00-0404	LF		S3 x 7.5 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	45.42 6.58 4.09 9.08	20.40
05 12 23 00-0405	LF		S3 x 5.7 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	41.80 5.61 3.76 8.36	20.27
05 12 23 00-0406			A992/A36 Structural Steel, HP Shapes (05 12 23 00-0147) Note: Includes material delivery and erection.		
05 12 23 00-0407	LF		HP14 x 117 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	229.59 55.90 20.66 45.92	26.42
05 12 23 00-0408	LF		HP14 x 102 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	201.07 48.53 18.10 40.21	24.58
05 12 23 00-0409	LF		HP14 x 89 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	179.30 42.93 16.14 35.86	23.05
05 12 23 00-0410	LF		HP14 x 73 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	148.78 34.86 13.39 29.76	21.73
05 12 23 00-0411	LF		HP13 x 100 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	197.14 47.58 17.74 39.43	24.10
05 12 23 00-0412	LF		HP13 x 87 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	175.27 41.97 15.77 35.05	22.54
05 12 23 00-0413	LF		HP13 x 73 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	148.78 34.86 13.39 29.76	21.73

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0414	LF		HP13 x 60 A992/A36 Structural Steel.....	126.37	20.83
			For Hot Dip Galvanizing, Add	28.91	
			For High Strength Low Alloy A572-50 Steel, Add	11.37	
			For High Strength Low Alloy A588 Grade B Steel, Add	25.27	
05 12 23 00-0415	LF		HP12 x 84 A992/A36 Structural Steel.....	165.68	23.77
			For Hot Dip Galvanizing, Add	38.94	
			For High Strength Low Alloy A572-50 Steel, Add	14.91	
			For High Strength Low Alloy A588 Grade B Steel, Add	33.14	
05 12 23 00-0416	LF		HP12 x 74 A992/A36 Structural Steel.....	146.55	22.42
			For Hot Dip Galvanizing, Add	34.04	
			For High Strength Low Alloy A572-50 Steel, Add	13.19	
			For High Strength Low Alloy A588 Grade B Steel, Add	29.31	
05 12 23 00-0417	LF		HP12 x 63 A992/A36 Structural Steel.....	126.33	20.61
			For Hot Dip Galvanizing, Add	28.96	
			For High Strength Low Alloy A572-50 Steel, Add	11.37	
			For High Strength Low Alloy A588 Grade B Steel, Add	25.27	
05 12 23 00-0418	LF		HP12 x 53 A992/A36 Structural Steel.....	115.92	19.60
			For Hot Dip Galvanizing, Add	26.37	
			For High Strength Low Alloy A572-50 Steel, Add	10.43	
			For High Strength Low Alloy A588 Grade B Steel, Add	23.18	
05 12 23 00-0419	LF		HP10 x 57 A992/A36 Structural Steel.....	122.05	20.11
			For Hot Dip Galvanizing, Add	27.92	
			For High Strength Low Alloy A572-50 Steel, Add	10.98	
			For High Strength Low Alloy A588 Grade B Steel, Add	24.41	
05 12 23 00-0420	LF		HP10 x 42 A992/A36 Structural Steel.....	100.88	18.85
			For Hot Dip Galvanizing, Add	22.42	
			For High Strength Low Alloy A572-50 Steel, Add	9.08	
			For High Strength Low Alloy A588 Grade B Steel, Add	20.18	
05 12 23 00-0421	LF		HP8 x 36 A992/A36 Structural Steel.....	87.89	17.77
			For Hot Dip Galvanizing, Add	19.13	
			For High Strength Low Alloy A572-50 Steel, Add	7.91	
			For High Strength Low Alloy A588 Grade B Steel, Add	17.58	
05 12 23 00-0422			Lightweight Framing Steel Shapes (05 12 23)		
			Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0423			Angle Iron - L (05 12 23 00-0422)		
05 12 23 00-0424			1/8" Thick (05 12 23 00-0423)		
05 12 23 00-0425	LF		1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	2.93	1.80
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.27	
			For >500 To 1,000, Deduct	-0.40	
			For >1,000, Deduct	-0.53	
			For 304 Stainless Steel, Add	1.48	
			For 316 Stainless Steel, Add	1.66	
			For Aluminum, Add	0.09	
			For Galvanized Steel, Add	0.32	
			For High Strength Steel (HSS), Add	0.59	
05 12 23 00-0426	LF		3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	3.39	2.04
			For >100 To 250, Deduct	-0.22	
			For >250 To 500, Deduct	-0.31	
			For >500 To 1,000, Deduct	-0.46	
			For >1,000, Deduct	-0.61	
			For 304 Stainless Steel, Add	1.88	
			For 316 Stainless Steel, Add	2.11	
			For Aluminum, Add	0.12	
			For Galvanized Steel, Add	0.41	
			For High Strength Steel (HSS), Add	0.68	
05 12 23 00-0427	LF		3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	3.82	2.26
			For >100 To 250, Deduct	-0.25	
			For >250 To 500, Deduct	-0.34	
			For >500 To 1,000, Deduct	-0.51	
			For >1,000, Deduct	-0.68	
			For 304 Stainless Steel, Add	2.31	
			For 316 Stainless Steel, Add	2.59	
			For Aluminum, Add	0.15	
			For Galvanized Steel, Add	0.50	
			For High Strength Steel (HSS), Add	0.76	
05 12 23 00-0428	LF		1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	4.28	2.51
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.38	
			For >500 To 1,000, Deduct	-0.57	
			For >1,000, Deduct	-0.76	
			For 304 Stainless Steel, Add	2.68	
			For 316 Stainless Steel, Add	3.01	
			For Aluminum, Add	0.17	
			For Galvanized Steel, Add	0.58	
			For High Strength Steel (HSS), Add	0.86	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0429	LF		1" x 1" x 1/8" Thick, Plain Steel Angle Iron	4.71	2.71
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.42	
			For >500 To 1,000, Deduct	-0.62	
			For >1,000, Deduct	-0.83	
			For 304 Stainless Steel, Add	3.14	
			For 316 Stainless Steel, Add	3.52	
			For Aluminum, Add	0.20	
			For Galvanized Steel, Add	0.68	
			For High Strength Steel (HSS), Add	0.94	
05 12 23 00-0430	LF		1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.64	3.18
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-0.74	
			For >1,000, Deduct	-0.99	
			For 304 Stainless Steel, Add	3.96	
			For 316 Stainless Steel, Add	4.45	
			For Aluminum, Add	0.25	
			For Galvanized Steel, Add	0.86	
			For High Strength Steel (HSS), Add	1.13	
05 12 23 00-0431	LF		1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	5.64	3.18
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-0.74	
			For >1,000, Deduct	-0.99	
			For 304 Stainless Steel, Add	3.96	
			For 316 Stainless Steel, Add	4.45	
			For Aluminum, Add	0.25	
			For Galvanized Steel, Add	0.86	
			For High Strength Steel (HSS), Add	1.13	
05 12 23 00-0432	LF		1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.24	3.42
			For >100 To 250, Deduct	-0.38	
			For >250 To 500, Deduct	-0.54	
			For >500 To 1,000, Deduct	-0.81	
			For >1,000, Deduct	-1.08	
			For 304 Stainless Steel, Add	4.79	
			For 316 Stainless Steel, Add	5.38	
			For Aluminum, Add	0.30	
			For Galvanized Steel, Add	1.04	
			For High Strength Steel (HSS), Add	1.25	
05 12 23 00-0433	LF		1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	6.71	3.53
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.57	
			For >500 To 1,000, Deduct	-0.86	
			For >1,000, Deduct	-1.14	
			For 304 Stainless Steel, Add	5.67	
			For 316 Stainless Steel, Add	6.37	
			For Aluminum, Add	0.36	
			For Galvanized Steel, Add	1.23	
			For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0434	LF		2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.71	3.53
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.57	
			For >500 To 1,000, Deduct	-0.86	
			For >1,000, Deduct	-1.14	
			For 304 Stainless Steel, Add	5.67	
			For 316 Stainless Steel, Add	6.37	
			For Aluminum, Add	0.36	
			For Galvanized Steel, Add	1.23	
			For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0435	LF		2" x 2" x 1/8" Thick, Plain Steel Angle Iron	7.15	3.66
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.60	
			For >500 To 1,000, Deduct	-0.90	
			For >1,000, Deduct	-1.20	
			For 304 Stainless Steel, Add	6.50	
			For 316 Stainless Steel, Add	7.30	
			For Aluminum, Add	0.41	
			For Galvanized Steel, Add	1.41	
			For High Strength Steel (HSS), Add	1.43	
05 12 23 00-0436			3/16" Thick (05 12 23 00-0423)		
05 12 23 00-0437	LF		1" x 1" x 3/16" Thick, Plain Steel Angle Iron	5.42	2.86
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.46	
			For >500 To 1,000, Deduct	-0.69	
			For >1,000, Deduct	-0.92	
			For 304 Stainless Steel, Add	4.56	
			For 316 Stainless Steel, Add	5.12	
			For Aluminum, Add	0.29	
			For Galvanized Steel, Add	0.99	
			For High Strength Steel (HSS), Add	1.08	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438	LF		1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.53	3.36
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.83	
			For >1,000, Deduct	-1.10	
			For 304 Stainless Steel, Add	5.81	
			For 316 Stainless Steel, Add	6.53	
			For Aluminum, Add	0.37	
			For Galvanized Steel, Add	1.26	
			For High Strength Steel (HSS), Add	1.31	
05 12 23 00-0439	LF		1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.53	3.36
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.83	
			For >1,000, Deduct	-1.10	
			For 304 Stainless Steel, Add	5.81	
			For 316 Stainless Steel, Add	6.53	
			For Aluminum, Add	0.37	
			For Galvanized Steel, Add	1.26	
			For High Strength Steel (HSS), Add	1.31	
05 12 23 00-0440	LF		1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.29	3.61
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.61	
			For >500 To 1,000, Deduct	-0.91	
			For >1,000, Deduct	-1.21	
			For 304 Stainless Steel, Add	7.07	
			For 316 Stainless Steel, Add	7.94	
			For Aluminum, Add	0.45	
			For Galvanized Steel, Add	1.54	
			For High Strength Steel (HSS), Add	1.46	
05 12 23 00-0441	LF		1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.74
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000, Deduct	-1.29	
			For 304 Stainless Steel, Add	8.35	
			For 316 Stainless Steel, Add	9.38	
			For Aluminum, Add	0.53	
			For Galvanized Steel, Add	1.82	
			For High Strength Steel (HSS), Add	1.58	
05 12 23 00-0442	LF		2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.74
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000, Deduct	-1.29	
			For 304 Stainless Steel, Add	8.35	
			For 316 Stainless Steel, Add	9.38	
			For Aluminum, Add	0.53	
			For Galvanized Steel, Add	1.82	
			For High Strength Steel (HSS), Add	1.58	
05 12 23 00-0443	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron	8.53	3.87
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.68	
			For >500 To 1,000, Deduct	-1.03	
			For >1,000, Deduct	-1.37	
			For 304 Stainless Steel, Add	9.60	
			For 316 Stainless Steel, Add	10.78	
			For Aluminum, Add	0.61	
			For Galvanized Steel, Add	2.09	
			For High Strength Steel (HSS), Add	1.71	
05 12 23 00-0444	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.33	4.14
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.74	
			For >500 To 1,000, Deduct	-1.11	
			For >1,000, Deduct	-1.49	
			For 304 Stainless Steel, Add	10.83	
			For 316 Stainless Steel, Add	12.16	
			For Aluminum, Add	0.68	
			For Galvanized Steel, Add	2.36	
			For High Strength Steel (HSS), Add	1.87	
05 12 23 00-0445	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.18	4.44
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.81	
			For >500 To 1,000, Deduct	-1.21	
			For >1,000, Deduct	-1.61	
			For 304 Stainless Steel, Add	12.14	
			For 316 Stainless Steel, Add	13.63	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.64	
			For High Strength Steel (HSS), Add	2.04	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0446	LF		3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.17	4.44
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.80	
			For >500 To 1,000, Deduct	-1.21	
			For >1,000, Deduct	-1.61	
			For 304 Stainless Steel, Add	12.11	
			For 316 Stainless Steel, Add	13.60	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.64	
			For High Strength Steel (HSS), Add	2.03	
05 12 23 00-0447	LF		3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.23	4.90
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.89	
			For >500 To 1,000, Deduct	-1.33	
			For >1,000, Deduct	-1.78	
			For 304 Stainless Steel, Add	13.37	
			For 316 Stainless Steel, Add	15.01	
			For Aluminum, Add	0.84	
			For Galvanized Steel, Add	2.91	
			For High Strength Steel (HSS), Add	2.25	
05 12 23 00-0448	LF		3" x 3" x 3/16" Thick, Plain Steel Angle Iron	12.28	5.37
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-0.97	
			For >500 To 1,000, Deduct	-1.46	
			For >1,000, Deduct	-1.94	
			For 304 Stainless Steel, Add	14.62	
			For 316 Stainless Steel, Add	16.42	
			For Aluminum, Add	0.92	
			For Galvanized Steel, Add	3.18	
			For High Strength Steel (HSS), Add	2.46	
05 12 23 00-0449			1/4" Thick (05 12 23 00-0423)		
05 12 23 00-0450	LF		1" x 1" x 1/4" Thick, Plain Steel Angle Iron	6.46	3.31
			For >100 To 250, Deduct	-0.38	
			For >250 To 500, Deduct	-0.54	
			For >500 To 1,000, Deduct	-0.82	
			For >1,000, Deduct	-1.09	
			For 304 Stainless Steel, Add	5.81	
			For 316 Stainless Steel, Add	6.53	
			For Aluminum, Add	0.37	
			For Galvanized Steel, Add	1.26	
			For High Strength Steel (HSS), Add	1.29	
05 12 23 00-0451	LF		1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.37	3.55
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.61	
			For >500 To 1,000, Deduct	-0.91	
			For >1,000, Deduct	-1.21	
			For 304 Stainless Steel, Add	7.50	
			For 316 Stainless Steel, Add	8.42	
			For Aluminum, Add	0.47	
			For Galvanized Steel, Add	1.63	
			For High Strength Steel (HSS), Add	1.47	
05 12 23 00-0452	LF		1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.36	3.55
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.61	
			For >500 To 1,000, Deduct	-0.91	
			For >1,000, Deduct	-1.21	
			For 304 Stainless Steel, Add	7.47	
			For 316 Stainless Steel, Add	8.38	
			For Aluminum, Add	0.47	
			For Galvanized Steel, Add	1.62	
			For High Strength Steel (HSS), Add	1.47	
05 12 23 00-0453	LF		1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.28	3.81
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.67	
			For >500 To 1,000, Deduct	-1.00	
			For >1,000, Deduct	-1.34	
			For 304 Stainless Steel, Add	9.12	
			For 316 Stainless Steel, Add	10.24	
			For Aluminum, Add	0.58	
			For Galvanized Steel, Add	1.98	
			For High Strength Steel (HSS), Add	1.66	
05 12 23 00-0454	LF		1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.09	3.93
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.72	
			For >500 To 1,000, Deduct	-1.08	
			For >1,000, Deduct	-1.43	
			For 304 Stainless Steel, Add	10.94	
			For 316 Stainless Steel, Add	12.29	
			For Aluminum, Add	0.69	
			For Galvanized Steel, Add	2.38	
			For High Strength Steel (HSS), Add	1.82	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0455	LF		2" x 1" x 1/4" Thick, Plain Steel Angle Iron.....	8.06	3.69
			For >100 To 250, Deduct	-0.44	
			For >250 To 500, Deduct	-0.64	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000, Deduct	-1.29	
			For 304 Stainless Steel, Add	9.21	
			For 316 Stainless Steel, Add	10.34	
			For Aluminum, Add	0.58	
			For Galvanized Steel, Add	2.00	
			For High Strength Steel (HSS), Add	1.61	
05 12 23 00-0456	LF		2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.07	3.93
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.72	
			For >500 To 1,000, Deduct	-1.07	
			For >1,000, Deduct	-1.43	
			For 304 Stainless Steel, Add	10.89	
			For 316 Stainless Steel, Add	12.22	
			For Aluminum, Add	0.69	
			For Galvanized Steel, Add	2.37	
			For High Strength Steel (HSS), Add	1.81	
05 12 23 00-0457	LF		2" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	9.81	4.06
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.76	
			For >500 To 1,000, Deduct	-1.14	
			For >1,000, Deduct	-1.52	
			For 304 Stainless Steel, Add	12.54	
			For 316 Stainless Steel, Add	14.08	
			For Aluminum, Add	0.79	
			For Galvanized Steel, Add	2.73	
			For High Strength Steel (HSS), Add	1.96	
05 12 23 00-0458	LF		2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.01	4.50
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.85	
			For >500 To 1,000, Deduct	-1.28	
			For >1,000, Deduct	-1.70	
			For 304 Stainless Steel, Add	14.28	
			For 316 Stainless Steel, Add	16.03	
			For Aluminum, Add	0.90	
			For Galvanized Steel, Add	3.11	
			For High Strength Steel (HSS), Add	2.20	
05 12 23 00-0459	LF		2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.24	4.93
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-0.94	
			For >500 To 1,000, Deduct	-1.41	
			For >1,000, Deduct	-1.88	
			For 304 Stainless Steel, Add	16.13	
			For 316 Stainless Steel, Add	18.11	
			For Aluminum, Add	1.02	
			For Galvanized Steel, Add	3.51	
			For High Strength Steel (HSS), Add	2.45	
05 12 23 00-0460	LF		3" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	12.24	4.93
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-0.94	
			For >500 To 1,000, Deduct	-1.41	
			For >1,000, Deduct	-1.88	
			For 304 Stainless Steel, Add	16.13	
			For 316 Stainless Steel, Add	18.11	
			For Aluminum, Add	1.02	
			For Galvanized Steel, Add	3.51	
			For High Strength Steel (HSS), Add	2.45	
05 12 23 00-0461	LF		3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.51	5.47
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-1.04	
			For >500 To 1,000, Deduct	-1.56	
			For >1,000, Deduct	-2.08	
			For 304 Stainless Steel, Add	17.73	
			For 316 Stainless Steel, Add	19.90	
			For Aluminum, Add	1.12	
			For Galvanized Steel, Add	3.86	
			For High Strength Steel (HSS), Add	2.70	
05 12 23 00-0462	LF		3" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	14.78	6.01
			For >100 To 250, Deduct	-0.77	
			For >250 To 500, Deduct	-1.14	
			For >500 To 1,000, Deduct	-1.71	
			For >1,000, Deduct	-2.28	
			For 304 Stainless Steel, Add	19.27	
			For 316 Stainless Steel, Add	21.63	
			For Aluminum, Add	1.22	
			For Galvanized Steel, Add	4.19	
			For High Strength Steel (HSS), Add	2.96	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0463	LF		3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	16.07	6.47
			For >100 To 250, Deduct	-0.83	
			For >250 To 500, Deduct	-1.23	
			For >500 To 1,000, Deduct	-1.85	
			For >1,000, Deduct	-2.47	
			For 304 Stainless Steel, Add	21.23	
			For 316 Stainless Steel, Add	23.84	
			For Aluminum, Add	1.34	
			For Galvanized Steel, Add	4.62	
			For High Strength Steel (HSS), Add	3.21	
05 12 23 00-0464	LF		3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.02	0.67
			For >100 To 250, Deduct	-0.88	
			For >250 To 500, Deduct	-1.30	
			For >500 To 1,000, Deduct	-1.95	
			For >1,000, Deduct	-2.60	
			For 304 Stainless Steel, Add	22.86	
			For 316 Stainless Steel, Add	25.66	
			For Aluminum, Add	1.44	
			For Galvanized Steel, Add	4.97	
			For High Strength Steel (HSS), Add	3.40	
05 12 23 00-0465	LF		4" x 3" x 1/4" Thick, Plain Steel Angle Iron	17.02	6.76
			For >100 To 250, Deduct	-0.88	
			For >250 To 500, Deduct	-1.30	
			For >500 To 1,000, Deduct	-1.95	
			For >1,000, Deduct	-2.60	
			For 304 Stainless Steel, Add	22.86	
			For 316 Stainless Steel, Add	25.66	
			For Aluminum, Add	1.44	
			For Galvanized Steel, Add	4.97	
			For High Strength Steel (HSS), Add	3.40	
05 12 23 00-0466	LF		4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.93	7.04
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.37	
			For >500 To 1,000, Deduct	-2.05	
			For >1,000, Deduct	-2.73	
			For 304 Stainless Steel, Add	24.37	
			For 316 Stainless Steel, Add	27.36	
			For Aluminum, Add	1.54	
			For Galvanized Steel, Add	5.30	
			For High Strength Steel (HSS), Add	3.59	
05 12 23 00-0467	LF		4" x 4" x 1/4" Thick, Plain Steel Angle Iron	18.91	7.33
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.43	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-2.87	
			For 304 Stainless Steel, Add	26.02	
			For 316 Stainless Steel, Add	29.22	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.66	
			For High Strength Steel (HSS), Add	3.78	
05 12 23 00-0468	LF		5" x 3" x 1/4" Thick, Plain Steel Angle Iron	18.91	7.33
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.43	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-2.87	
			For 304 Stainless Steel, Add	26.02	
			For 316 Stainless Steel, Add	29.22	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.66	
			For High Strength Steel (HSS), Add	3.78	
05 12 23 00-0469	LF		5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	19.97	7.73
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-2.27	
			For >1,000, Deduct	-3.03	
			For 304 Stainless Steel, Add	27.53	
			For 316 Stainless Steel, Add	30.91	
			For Aluminum, Add	1.74	
			For Galvanized Steel, Add	5.99	
			For High Strength Steel (HSS), Add	3.99	
05 12 23 00-0470			5/16" Thick (05 12 23 00-0423)		
05 12 23 00-0471	LF		2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.19	5.23
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.01	
			For >500 To 1,000, Deduct	-1.51	
			For >1,000, Deduct	-2.02	
			For 304 Stainless Steel, Add	17.73	
			For 316 Stainless Steel, Add	19.90	
			For Aluminum, Add	1.12	
			For Galvanized Steel, Add	3.86	
			For High Strength Steel (HSS), Add	2.64	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0472	LF		2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.30	5.54
			For >100 To 250, Deduct	-0.73	
			For >250 To 500, Deduct	-1.08	
			For >500 To 1,000, Deduct	-1.63	
			For >1,000, Deduct	-2.17	
			For 304 Stainless Steel, Add	19.69	
			For 316 Stainless Steel, Add	22.11	
			For Aluminum, Add	1.24	
			For Galvanized Steel, Add	4.28	
			For High Strength Steel (HSS), Add	2.86	
05 12 23 00-0473	LF		3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	14.30	5.54
			For >100 To 250, Deduct	-0.73	
			For >250 To 500, Deduct	-1.08	
			For >500 To 1,000, Deduct	-1.63	
			For >1,000, Deduct	-2.17	
			For 304 Stainless Steel, Add	19.69	
			For 316 Stainless Steel, Add	22.11	
			For Aluminum, Add	1.24	
			For Galvanized Steel, Add	4.28	
			For High Strength Steel (HSS), Add	2.86	
05 12 23 00-0474	LF		3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	15.84	6.07
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.20	
			For >500 To 1,000, Deduct	-1.80	
			For >1,000, Deduct	-2.39	
			For 304 Stainless Steel, Add	22.06	
			For 316 Stainless Steel, Add	24.77	
			For Aluminum, Add	1.39	
			For Galvanized Steel, Add	4.80	
			For High Strength Steel (HSS), Add	3.17	
05 12 23 00-0475	LF		3" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	17.24	6.61
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.30	
			For >500 To 1,000, Deduct	-1.95	
			For >1,000, Deduct	-2.60	
			For 304 Stainless Steel, Add	24.05	
			For 316 Stainless Steel, Add	27.01	
			For Aluminum, Add	1.52	
			For Galvanized Steel, Add	5.23	
			For High Strength Steel (HSS), Add	3.45	
05 12 23 00-0476	LF		3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.38	6.94
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.38	
			For >500 To 1,000, Deduct	-2.07	
			For >1,000, Deduct	-2.76	
			For 304 Stainless Steel, Add	26.02	
			For 316 Stainless Steel, Add	29.22	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.66	
			For High Strength Steel (HSS), Add	3.68	
05 12 23 00-0477	LF		3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	19.64	7.28
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.20	
			For >1,000, Deduct	-2.94	
			For 304 Stainless Steel, Add	28.30	
			For 316 Stainless Steel, Add	31.78	
			For Aluminum, Add	1.79	
			For Galvanized Steel, Add	6.16	
			For High Strength Steel (HSS), Add	3.93	
05 12 23 00-0478	LF		4" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	19.64	7.28
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.20	
			For >1,000, Deduct	-2.94	
			For 304 Stainless Steel, Add	28.30	
			For 316 Stainless Steel, Add	31.78	
			For Aluminum, Add	1.79	
			For Galvanized Steel, Add	6.16	
			For High Strength Steel (HSS), Add	3.93	
05 12 23 00-0479	LF		4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.88	7.69
			For >100 To 250, Deduct	-1.04	
			For >250 To 500, Deduct	-1.56	
			For >500 To 1,000, Deduct	-2.34	
			For >1,000, Deduct	-3.11	
			For 304 Stainless Steel, Add	30.27	
			For 316 Stainless Steel, Add	33.98	
			For Aluminum, Add	1.91	
			For Galvanized Steel, Add	6.58	
			For High Strength Steel (HSS), Add	4.18	



	Metals	05	
	Structural Metal Framing	05 10	05
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0480	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	.....	22.07	8.04
		For >100 To 250, Deduct	.....	-1.09	
		For >250 To 500, Deduct	.....	-1.64	
		For >500 To 1,000, Deduct	.....	-2.46	
		For >1,000, Deduct	.....	-3.28	
		For 304 Stainless Steel, Add	.....	32.32	
		For 316 Stainless Steel, Add	.....	36.29	
		For Aluminum, Add	.....	2.04	
		For Galvanized Steel, Add	.....	7.03	
		For High Strength Steel (HSS), Add	.....	4.41	
05 12 23 00-0481	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	.....	22.07	8.04
		For >100 To 250, Deduct	.....	-1.09	
		For >250 To 500, Deduct	.....	-1.64	
		For >500 To 1,000, Deduct	.....	-2.46	
		For >1,000, Deduct	.....	-3.28	
		For 304 Stainless Steel, Add	.....	32.32	
		For 316 Stainless Steel, Add	.....	36.29	
		For Aluminum, Add	.....	2.04	
		For Galvanized Steel, Add	.....	7.03	
		For High Strength Steel (HSS), Add	.....	4.41	
05 12 23 00-0482	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	.....	23.17	8.38
		For >100 To 250, Deduct	.....	-1.14	
		For >250 To 500, Deduct	.....	-1.72	
		For >500 To 1,000, Deduct	.....	-2.58	
		For >1,000, Deduct	.....	-3.43	
		For 304 Stainless Steel, Add	.....	34.20	
		For 316 Stainless Steel, Add	.....	38.40	
		For Aluminum, Add	.....	2.16	
		For Galvanized Steel, Add	.....	7.44	
		For High Strength Steel (HSS), Add	.....	4.63	
05 12 23 00-0483	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron	.....	25.88	8.73
		For >100 To 250, Deduct	.....	-1.23	
		For >250 To 500, Deduct	.....	-1.88	
		For >500 To 1,000, Deduct	.....	-2.81	
		For >1,000, Deduct	.....	-3.75	
		For 304 Stainless Steel, Add	.....	40.58	
		For 316 Stainless Steel, Add	.....	45.57	
		For Aluminum, Add	.....	2.56	
		For Galvanized Steel, Add	.....	8.83	
		For High Strength Steel (HSS), Add	.....	5.18	
05 12 23 00-0484	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	.....	25.65	9.09
		For >100 To 250, Deduct	.....	-1.25	
		For >250 To 500, Deduct	.....	-1.89	
		For >500 To 1,000, Deduct	.....	-2.83	
		For >1,000, Deduct	.....	-3.78	
		For 304 Stainless Steel, Add	.....	38.53	
		For 316 Stainless Steel, Add	.....	43.26	
		For Aluminum, Add	.....	2.43	
		For Galvanized Steel, Add	.....	8.38	
		For High Strength Steel (HSS), Add	.....	5.13	
05 12 23 00-0485		3/8" Thick (05 12 23 00-0423)			
05 12 23 00-0486	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron	.....	15.87	5.80
		For >100 To 250, Deduct	.....	-0.78	
		For >250 To 500, Deduct	.....	-1.18	
		For >500 To 1,000, Deduct	.....	-1.77	
		For >1,000, Deduct	.....	-2.36	
		For 304 Stainless Steel, Add	.....	23.20	
		For 316 Stainless Steel, Add	.....	26.05	
		For Aluminum, Add	.....	1.47	
		For Galvanized Steel, Add	.....	5.05	
		For High Strength Steel (HSS), Add	.....	3.17	
05 12 23 00-0487	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	.....	17.51	6.28
		For >100 To 250, Deduct	.....	-0.86	
		For >250 To 500, Deduct	.....	-1.29	
		For >500 To 1,000, Deduct	.....	-1.94	
		For >1,000, Deduct	.....	-2.59	
		For 304 Stainless Steel, Add	.....	26.02	
		For 316 Stainless Steel, Add	.....	29.22	
		For Aluminum, Add	.....	1.64	
		For Galvanized Steel, Add	.....	5.66	
		For High Strength Steel (HSS), Add	.....	3.50	
05 12 23 00-0488	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron	.....	18.95	6.77
		For >100 To 250, Deduct	.....	-0.92	
		For >250 To 500, Deduct	.....	-1.40	
		For >500 To 1,000, Deduct	.....	-2.10	
		For >1,000, Deduct	.....	-2.80	
		For 304 Stainless Steel, Add	.....	28.30	
		For 316 Stainless Steel, Add	.....	31.78	
		For Aluminum, Add	.....	1.79	
		For Galvanized Steel, Add	.....	6.16	
		For High Strength Steel (HSS), Add	.....	3.79	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0489	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	20.20	6.95
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.21	
			For >1,000, Deduct	-2.95	
			For 304 Stainless Steel, Add	31.15	
			For 316 Stainless Steel, Add	34.98	
			For Aluminum, Add	1.97	
			For Galvanized Steel, Add	6.78	
			For High Strength Steel (HSS), Add	4.04	
05 12 23 00-0490	LF		3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	21.51	7.33
			For >100 To 250, Deduct	-1.03	
			For >250 To 500, Deduct	-1.56	
			For >500 To 1,000, Deduct	-2.35	
			For >1,000, Deduct	-3.13	
			For 304 Stainless Steel, Add	33.43	
			For 316 Stainless Steel, Add	37.54	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.27	
			For High Strength Steel (HSS), Add	4.30	
05 12 23 00-0491	LF		4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	21.51	7.33
			For >100 To 250, Deduct	-1.03	
			For >250 To 500, Deduct	-1.56	
			For >500 To 1,000, Deduct	-2.35	
			For >1,000, Deduct	-3.13	
			For 304 Stainless Steel, Add	33.43	
			For 316 Stainless Steel, Add	37.54	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.27	
			For High Strength Steel (HSS), Add	4.30	
05 12 23 00-0492	LF		4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	23.20	7.99
			For >100 To 250, Deduct	-1.11	
			For >250 To 500, Deduct	-1.69	
			For >500 To 1,000, Deduct	-2.54	
			For >1,000, Deduct	-3.39	
			For 304 Stainless Steel, Add	35.77	
			For 316 Stainless Steel, Add	40.16	
			For Aluminum, Add	2.26	
			For Galvanized Steel, Add	7.78	
			For High Strength Steel (HSS), Add	4.64	
05 12 23 00-0493	LF		4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	24.48	8.22
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.77	
			For >500 To 1,000, Deduct	-2.66	
			For >1,000, Deduct	-3.54	
			For 304 Stainless Steel, Add	38.53	
			For 316 Stainless Steel, Add	43.26	
			For Aluminum, Add	2.43	
			For Galvanized Steel, Add	8.38	
			For High Strength Steel (HSS), Add	4.90	
05 12 23 00-0494	LF		5" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	24.92	8.55
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-1.82	
			For >500 To 1,000, Deduct	-2.72	
			For >1,000, Deduct	-3.63	
			For 304 Stainless Steel, Add	38.53	
			For 316 Stainless Steel, Add	43.26	
			For Aluminum, Add	2.43	
			For Galvanized Steel, Add	8.38	
			For High Strength Steel (HSS), Add	4.98	
05 12 23 00-0495	LF		5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	26.64	9.21
			For >100 To 250, Deduct	-1.28	
			For >250 To 500, Deduct	-1.95	
			For >500 To 1,000, Deduct	-2.92	
			For >1,000, Deduct	-3.89	
			For 304 Stainless Steel, Add	40.90	
			For 316 Stainless Steel, Add	45.92	
			For Aluminum, Add	2.58	
			For Galvanized Steel, Add	8.90	
			For High Strength Steel (HSS), Add	5.33	
05 12 23 00-0496	LF		5" x 5" x 3/8" Thick, Plain Steel Angle Iron.....	31.32	10.74
			For >100 To 250, Deduct	-1.50	
			For >250 To 500, Deduct	-2.28	
			For >500 To 1,000, Deduct	-3.42	
			For >1,000, Deduct	-4.56	
			For 304 Stainless Steel, Add	48.48	
			For 316 Stainless Steel, Add	54.43	
			For Aluminum, Add	3.06	
			For Galvanized Steel, Add	10.55	
			For High Strength Steel (HSS), Add	6.26	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0497	LF		6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	29.44	9.98
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-2.14	
			For >500 To 1,000, Deduct	-3.21	
			For >1,000, Deduct	-4.27	
			For 304 Stainless Steel, Add	46.00	
			For 316 Stainless Steel, Add	51.65	
			For Aluminum, Add	2.91	
			For Galvanized Steel, Add	10.01	
			For High Strength Steel (HSS), Add	5.89	
05 12 23 00-0498	LF		6" x 4" x 3/8" Thick, Plain Steel Angle Iron	31.32	10.74
			For >100 To 250, Deduct	-1.50	
			For >250 To 500, Deduct	-2.28	
			For >500 To 1,000, Deduct	-3.42	
			For >1,000, Deduct	-4.56	
			For 304 Stainless Steel, Add	48.48	
			For 316 Stainless Steel, Add	54.43	
			For Aluminum, Add	3.06	
			For Galvanized Steel, Add	10.55	
			For High Strength Steel (HSS), Add	6.26	
05 12 23 00-0499	LF		6" x 6" x 3/8" Thick, Plain Steel Angle Iron	37.78	12.88
			For >100 To 250, Deduct	-1.80	
			For >250 To 500, Deduct	-2.75	
			For >500 To 1,000, Deduct	-4.12	
			For >1,000, Deduct	-5.50	
			For 304 Stainless Steel, Add	58.74	
			For 316 Stainless Steel, Add	65.95	
			For Aluminum, Add	3.71	
			For Galvanized Steel, Add	12.78	
			For High Strength Steel (HSS), Add	7.56	
05 12 23 00-0500	LF		7" x 4" x 3/8" Thick, Plain Steel Angle Iron	34.55	11.81
			For >100 To 250, Deduct	-1.65	
			For >250 To 500, Deduct	-2.52	
			For >500 To 1,000, Deduct	-3.77	
			For >1,000, Deduct	-5.03	
			For 304 Stainless Steel, Add	53.58	
			For 316 Stainless Steel, Add	60.16	
			For Aluminum, Add	3.38	
			For Galvanized Steel, Add	11.66	
			For High Strength Steel (HSS), Add	6.91	
05 12 23 00-0501			1/2" Thick (05 12 23 00-0423)		
05 12 23 00-0502	LF		3" x 3" x 1/2" Thick, Plain Steel Angle Iron	22.21	6.91
			For >100 To 250, Deduct	-1.02	
			For >250 To 500, Deduct	-1.57	
			For >500 To 1,000, Deduct	-2.36	
			For >1,000, Deduct	-3.14	
			For 304 Stainless Steel, Add	37.05	
			For 316 Stainless Steel, Add	41.60	
			For Aluminum, Add	2.34	
			For Galvanized Steel, Add	8.06	
			For High Strength Steel (HSS), Add	4.44	
05 12 23 00-0503	LF		4" x 3" x 1/2" Thick, Plain Steel Angle Iron	26.24	8.17
			For >100 To 250, Deduct	-1.20	
			For >250 To 500, Deduct	-1.86	
			For >500 To 1,000, Deduct	-2.78	
			For >1,000, Deduct	-3.71	
			For 304 Stainless Steel, Add	43.75	
			For 316 Stainless Steel, Add	49.12	
			For Aluminum, Add	2.76	
			For Galvanized Steel, Add	9.52	
			For High Strength Steel (HSS), Add	5.25	
05 12 23 00-0504	LF		4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	28.12	8.75
			For >100 To 250, Deduct	-1.29	
			For >250 To 500, Deduct	-1.99	
			For >500 To 1,000, Deduct	-2.98	
			For >1,000, Deduct	-3.98	
			For 304 Stainless Steel, Add	46.91	
			For 316 Stainless Steel, Add	52.67	
			For Aluminum, Add	2.96	
			For Galvanized Steel, Add	10.21	
			For High Strength Steel (HSS), Add	5.62	
05 12 23 00-0505	LF		4" x 4" x 1/2" Thick, Plain Steel Angle Iron	30.25	9.42
			For >100 To 250, Deduct	-1.38	
			For >250 To 500, Deduct	-2.14	
			For >500 To 1,000, Deduct	-3.21	
			For >1,000, Deduct	-4.28	
			For 304 Stainless Steel, Add	50.45	
			For 316 Stainless Steel, Add	56.64	
			For Aluminum, Add	3.19	
			For Galvanized Steel, Add	10.97	
			For High Strength Steel (HSS), Add	6.05	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0506	LF		5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	30.25	9.42
			For >100 To 250, Deduct	-1.38	
			For >250 To 500, Deduct	-2.14	
			For >500 To 1,000, Deduct	-3.21	
			For >1,000, Deduct	-4.28	
			For 304 Stainless Steel, Add	50.45	
			For 316 Stainless Steel, Add	56.64	
			For Aluminum, Add	3.19	
			For Galvanized Steel, Add	10.97	
			For High Strength Steel (HSS), Add	6.05	
05 12 23 00-0507	LF		5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	32.14	10.00
			For >100 To 250, Deduct	-1.47	
			For >250 To 500, Deduct	-2.27	
			For >500 To 1,000, Deduct	-3.41	
			For >1,000, Deduct	-4.55	
			For 304 Stainless Steel, Add	53.61	
			For 316 Stainless Steel, Add	60.19	
			For Aluminum, Add	3.39	
			For Galvanized Steel, Add	11.66	
			For High Strength Steel (HSS), Add	6.43	
05 12 23 00-0508	LF		5" x 5" x 1/2" Thick, Plain Steel Angle Iron.....	38.28	11.91
			For >100 To 250, Deduct	-1.75	
			For >250 To 500, Deduct	-2.71	
			For >500 To 1,000, Deduct	-4.06	
			For >1,000, Deduct	-5.42	
			For 304 Stainless Steel, Add	63.84	
			For 316 Stainless Steel, Add	71.68	
			For Aluminum, Add	4.03	
			For Galvanized Steel, Add	13.89	
			For High Strength Steel (HSS), Add	7.66	
05 12 23 00-0509	LF		6" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	38.28	11.91
			For >100 To 250, Deduct	-1.75	
			For >250 To 500, Deduct	-2.71	
			For >500 To 1,000, Deduct	-4.06	
			For >1,000, Deduct	-5.42	
			For 304 Stainless Steel, Add	63.84	
			For 316 Stainless Steel, Add	71.68	
			For Aluminum, Add	4.03	
			For Galvanized Steel, Add	13.89	
			For High Strength Steel (HSS), Add	7.66	
05 12 23 00-0510	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	46.32	14.41
			For >100 To 250, Deduct	-2.12	
			For >250 To 500, Deduct	-3.28	
			For >500 To 1,000, Deduct	-4.92	
			For >1,000, Deduct	-6.55	
			For 304 Stainless Steel, Add	77.24	
			For 316 Stainless Steel, Add	86.72	
			For Aluminum, Add	4.88	
			For Galvanized Steel, Add	16.80	
			For High Strength Steel (HSS), Add	9.26	
05 12 23 00-0511	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	42.28	13.16
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.99	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.98	
			For 304 Stainless Steel, Add	70.51	
			For 316 Stainless Steel, Add	79.17	
			For Aluminum, Add	4.45	
			For Galvanized Steel, Add	15.34	
			For High Strength Steel (HSS), Add	8.46	
05 12 23 00-0512	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	46.32	14.41
			For >100 To 250, Deduct	-2.12	
			For >250 To 500, Deduct	-3.28	
			For >500 To 1,000, Deduct	-4.92	
			For >1,000, Deduct	-6.55	
			For 304 Stainless Steel, Add	77.24	
			For 316 Stainless Steel, Add	86.72	
			For Aluminum, Add	4.88	
			For Galvanized Steel, Add	16.80	
			For High Strength Steel (HSS), Add	9.26	
05 12 23 00-0513	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	54.36	16.92
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.85	
			For >500 To 1,000, Deduct	-5.77	
			For >1,000, Deduct	-7.69	
			For 304 Stainless Steel, Add	90.66	
			For 316 Stainless Steel, Add	101.79	
			For Aluminum, Add	5.73	
			For Galvanized Steel, Add	19.72	
			For High Strength Steel (HSS), Add	10.87	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0514	LF		8" x 8" x 1/2" Thick, Plain Steel Angle Iron	62.38	19.42
			For >100 To 250, Deduct	-2.85	
			For >250 To 500, Deduct	-4.41	
			For >500 To 1,000, Deduct	-6.62	
			For >1,000, Deduct	-8.83	
			For 304 Stainless Steel, Add	104.03	
			For 316 Stainless Steel, Add	116.80	
			For Aluminum, Add	6.57	
			For Galvanized Steel, Add	22.63	
			For High Strength Steel (HSS), Add	12.48	
05 12 23 00-0515 5/8" Thick (05 12 23 00-0423)					
05 12 23 00-0516	LF		4" x 4" x 5/8" Thick, Plain Steel Angle Iron	36.09	10.79
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.52	
			For >500 To 1,000, Deduct	-3.79	
			For >1,000, Deduct	-5.05	
			For 316 Stainless Steel, Add	69.47	
			For Aluminum, Add	3.91	
			For Galvanized Steel, Add	13.46	
			For High Strength Steel (HSS), Add	7.22	
05 12 23 00-0517	LF		5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	38.64	11.54
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.70	
			For >500 To 1,000, Deduct	-4.05	
			For >1,000, Deduct	-5.40	
			For 316 Stainless Steel, Add	74.37	
			For Aluminum, Add	4.18	
			For Galvanized Steel, Add	14.41	
			For High Strength Steel (HSS), Add	7.73	
05 12 23 00-0518	LF		5" x 5" x 5/8" Thick, Plain Steel Angle Iron	45.98	13.75
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-3.22	
			For >500 To 1,000, Deduct	-4.82	
			For >1,000, Deduct	-6.43	
			For 316 Stainless Steel, Add	88.48	
			For Aluminum, Add	4.98	
			For Galvanized Steel, Add	17.14	
			For High Strength Steel (HSS), Add	9.20	
05 12 23 00-0519	LF		6" x 4" x 5/8" Thick, Plain Steel Angle Iron	45.98	13.75
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-3.22	
			For >500 To 1,000, Deduct	-4.82	
			For >1,000, Deduct	-6.43	
			For 316 Stainless Steel, Add	88.48	
			For Aluminum, Add	4.98	
			For Galvanized Steel, Add	17.14	
			For High Strength Steel (HSS), Add	9.20	
05 12 23 00-0520	LF		6" x 6" x 5/8" Thick, Plain Steel Angle Iron	55.65	16.63
			For >100 To 250, Deduct	-2.50	
			For >250 To 500, Deduct	-3.89	
			For >500 To 1,000, Deduct	-5.84	
			For >1,000, Deduct	-7.78	
			For 316 Stainless Steel, Add	107.10	
			For Aluminum, Add	6.02	
			For Galvanized Steel, Add	20.75	
			For High Strength Steel (HSS), Add	11.13	
05 12 23 00-0521	LF		7" x 4" x 5/8" Thick, Plain Steel Angle Iron	50.81	15.19
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-3.55	
			For >500 To 1,000, Deduct	-5.33	
			For >1,000, Deduct	-7.11	
			For 316 Stainless Steel, Add	97.79	
			For Aluminum, Add	5.50	
			For Galvanized Steel, Add	18.95	
			For High Strength Steel (HSS), Add	10.16	
05 12 23 00-0522	LF		8" x 6" x 5/8" Thick, Plain Steel Angle Iron	65.52	19.59
			For >100 To 250, Deduct	-2.94	
			For >250 To 500, Deduct	-4.58	
			For >500 To 1,000, Deduct	-6.87	
			For >1,000, Deduct	-9.16	
			For 316 Stainless Steel, Add	126.11	
			For Aluminum, Add	7.09	
			For Galvanized Steel, Add	24.43	
			For High Strength Steel (HSS), Add	13.10	
05 12 23 00-0523	LF		8" x 8" x 5/8" Thick, Plain Steel Angle Iron	75.18	22.47
			For >100 To 250, Deduct	-3.38	
			For >250 To 500, Deduct	-5.26	
			For >500 To 1,000, Deduct	-7.89	
			For >1,000, Deduct	-10.51	
			For 316 Stainless Steel, Add	144.70	
			For Aluminum, Add	8.14	
			For Galvanized Steel, Add	28.04	
			For High Strength Steel (HSS), Add	15.04	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
05 12 23 00-0524	3/4" Thick	(05 12 23 00-0423)			
05 12 23 00-0525	LF 4" x 4" x 3/4" Thick, Plain Steel Angle Iron.....			41.49	11.92
	For >100 To 250, Deduct			-1.83	
	For >250 To 500, Deduct			-2.87	
	For >500 To 1,000, Deduct			-4.30	
	For >1,000, Deduct			-5.74	
	For 316 Stainless Steel, Add			81.89	
	For Aluminum, Add			4.61	
	For Galvanized Steel, Add			15.87	
	For High Strength Steel (HSS), Add			8.30	
05 12 23 00-0526	LF 5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron			44.39	12.76
	For >100 To 250, Deduct			-1.96	
	For >250 To 500, Deduct			-3.07	
	For >500 To 1,000, Deduct			-4.61	
	For >1,000, Deduct			-6.14	
	For 316 Stainless Steel, Add			87.62	
	For Aluminum, Add			4.93	
	For Galvanized Steel, Add			16.98	
	For High Strength Steel (HSS), Add			8.88	
05 12 23 00-0527	LF 5" x 5" x 3/4" Thick, Plain Steel Angle Iron.....			52.91	15.21
	For >100 To 250, Deduct			-2.34	
	For >250 To 500, Deduct			-3.66	
	For >500 To 1,000, Deduct			-5.49	
	For >1,000, Deduct			-7.32	
	For 316 Stainless Steel, Add			104.45	
	For Aluminum, Add			5.88	
	For Galvanized Steel, Add			20.24	
	For High Strength Steel (HSS), Add			10.58	
05 12 23 00-0528	LF 6" x 4" x 3/4" Thick, Plain Steel Angle Iron.....			52.91	15.21
	For >100 To 250, Deduct			-2.34	
	For >250 To 500, Deduct			-3.66	
	For >500 To 1,000, Deduct			-5.49	
	For >1,000, Deduct			-7.32	
	For 316 Stainless Steel, Add			104.45	
	For Aluminum, Add			5.88	
	For Galvanized Steel, Add			20.24	
	For High Strength Steel (HSS), Add			10.58	
05 12 23 00-0529	LF 6" x 6" x 3/4" Thick, Plain Steel Angle Iron.....			64.35	18.49
	For >100 To 250, Deduct			-2.84	
	For >250 To 500, Deduct			-4.45	
	For >500 To 1,000, Deduct			-6.68	
	For >1,000, Deduct			-8.90	
	For 316 Stainless Steel, Add			127.01	
	For Aluminum, Add			7.14	
	For Galvanized Steel, Add			24.61	
	For High Strength Steel (HSS), Add			12.87	
05 12 23 00-0530	LF 7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....			58.74	16.88
	For >100 To 250, Deduct			-2.59	
	For >250 To 500, Deduct			-4.06	
	For >500 To 1,000, Deduct			-6.09	
	For >1,000, Deduct			-8.13	
	For 316 Stainless Steel, Add			115.94	
	For Aluminum, Add			6.52	
	For Galvanized Steel, Add			22.46	
	For High Strength Steel (HSS), Add			11.75	
05 12 23 00-0531	LF 8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....			64.35	18.49
	For >100 To 250, Deduct			-2.84	
	For >250 To 500, Deduct			-4.45	
	For >500 To 1,000, Deduct			-6.68	
	For >1,000, Deduct			-8.90	
	For 316 Stainless Steel, Add			127.01	
	For Aluminum, Add			7.14	
	For Galvanized Steel, Add			24.61	
	For High Strength Steel (HSS), Add			12.87	
05 12 23 00-0532	LF 8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....			75.78	21.77
	For >100 To 250, Deduct			-3.35	
	For >250 To 500, Deduct			-5.24	
	For >500 To 1,000, Deduct			-7.86	
	For >1,000, Deduct			-10.48	
	For 316 Stainless Steel, Add			149.60	
	For Aluminum, Add			8.42	
	For Galvanized Steel, Add			28.99	
	For High Strength Steel (HSS), Add			15.16	
05 12 23 00-0533	LF 8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....			87.22	25.06
	For >100 To 250, Deduct			-3.85	
	For >250 To 500, Deduct			-6.03	
	For >500 To 1,000, Deduct			-9.05	
	For >1,000, Deduct			-12.06	
	For 316 Stainless Steel, Add			172.16	
	For Aluminum, Add			9.68	
	For Galvanized Steel, Add			33.36	
	For High Strength Steel (HSS), Add			17.44	

05 12 23 00-0534 7/8" Thick (05 12 23 00-0423)



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0535	LF		5" x 5" x 7/8" Thick, Plain Steel Angle Iron	59.41	16.36
			For >100 To 250, Deduct	-2.58	
			For >250 To 500, Deduct	-4.06	
			For >500 To 1,000, Deduct	-6.09	
			For >1,000, Deduct	-8.12	
			For 316 Stainless Steel, Add	120.35	
			For Aluminum, Add	6.77	
			For Galvanized Steel, Add	23.32	
			For High Strength Steel (HSS), Add	11.88	
05 12 23 00-0536	LF		6" x 4" x 7/8" Thick, Plain Steel Angle Iron	59.41	16.36
			For >100 To 250, Deduct	-2.58	
			For >250 To 500, Deduct	-4.06	
			For >500 To 1,000, Deduct	-6.09	
			For >1,000, Deduct	-8.12	
			For 316 Stainless Steel, Add	120.35	
			For Aluminum, Add	6.77	
			For Galvanized Steel, Add	23.32	
			For High Strength Steel (HSS), Add	11.88	
05 12 23 00-0537	LF		6" x 6" x 7/8" Thick, Plain Steel Angle Iron	72.32	19.91
			For >100 To 250, Deduct	-3.14	
			For >250 To 500, Deduct	-4.94	
			For >500 To 1,000, Deduct	-7.41	
			For >1,000, Deduct	-9.89	
			For 316 Stainless Steel, Add	146.50	
			For Aluminum, Add	8.24	
			For Galvanized Steel, Add	28.38	
			For High Strength Steel (HSS), Add	14.46	
05 12 23 00-0538	LF		8" x 6" x 7/8" Thick, Plain Steel Angle Iron	85.42	23.52
			For >100 To 250, Deduct	-3.70	
			For >250 To 500, Deduct	-5.84	
			For >500 To 1,000, Deduct	-8.76	
			For >1,000, Deduct	-11.68	
			For 316 Stainless Steel, Add	173.02	
			For Aluminum, Add	9.73	
			For Galvanized Steel, Add	33.52	
			For High Strength Steel (HSS), Add	17.08	
05 12 23 00-0539	LF		8" x 8" x 7/8" Thick, Plain Steel Angle Iron	98.30	27.07
			For >100 To 250, Deduct	-4.26	
			For >250 To 500, Deduct	-6.72	
			For >500 To 1,000, Deduct	-10.08	
			For >1,000, Deduct	-13.44	
			For 316 Stainless Steel, Add	199.10	
			For Aluminum, Add	11.20	
			For Galvanized Steel, Add	38.58	
			For High Strength Steel (HSS), Add	19.66	
05 12 23 00-0540			Bar Channel (05 12 23 00-0422)		
05 12 23 00-0541	LF		1" x 1/2" x 1/8" Thick Bar Channel.....	5.12	
			For 304 Stainless Steel, Add	4.30	
			For 316 Stainless Steel, Add	4.83	
			For Aluminum, Add	0.27	
			For Galvanized Steel, Add	0.94	
			For High Strength Steel (HSS), Add	1.02	
05 12 23 00-0542	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.73	
			For 304 Stainless Steel, Add	5.13	
			For 316 Stainless Steel, Add	5.76	
			For Aluminum, Add	0.32	
			For Galvanized Steel, Add	1.12	
			For High Strength Steel (HSS), Add	1.15	
05 12 23 00-0543	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	6.24	
			For 304 Stainless Steel, Add	5.67	
			For 316 Stainless Steel, Add	6.37	
			For Aluminum, Add	0.36	
			For Galvanized Steel, Add	1.23	
			For High Strength Steel (HSS), Add	1.25	
05 12 23 00-0544	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	7.17	
			For 304 Stainless Steel, Add	5.93	
			For 316 Stainless Steel, Add	6.66	
			For Aluminum, Add	0.37	
			For Galvanized Steel, Add	1.29	
			For High Strength Steel (HSS), Add	1.43	
05 12 23 00-0545	LF		2" x 1/2" x 1/8" Thick Bar Channel.....	7.64	
			For 304 Stainless Steel, Add	7.27	
			For 316 Stainless Steel, Add	8.16	
			For Aluminum, Add	0.46	
			For Galvanized Steel, Add	1.58	
05 12 23 00-0546	LF		2" x 1" x 1/8" Thick Bar Channel.....	10.10	
			For 304 Stainless Steel, Add	8.09	
			For 316 Stainless Steel, Add	9.09	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.76	
05 12 23 00-0547			Channels - C (05 12 23 00-0422)		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0548	LF		C2 x 1.78 - 2" Wide Channel.....	8.39	4.48
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.72	
			For >500 To 1,000, Deduct	-1.08	
			For >1,000, Deduct	-1.44	
			For 304 Stainless Steel, Add	6.90	
			For 316 Stainless Steel, Add	7.74	
			For Aluminum, Add	0.44	
			For Galvanized Steel, Add	1.50	
05 12 23 00-0549	LF		C3 x 4.1 - 3" Wide Channel.....	14.26	6.44
			For >100 To 250, Deduct	-0.79	
			For >250 To 500, Deduct	-1.14	
			For >500 To 1,000, Deduct	-1.71	
			For >1,000, Deduct	-2.29	
			For 304 Stainless Steel, Add	16.16	
			For 316 Stainless Steel, Add	18.14	
			For Aluminum, Add	1.02	
			For Galvanized Steel, Add	3.52	
05 12 23 00-0550	LF		C3 x 5 - 3" Wide Channel.....	17.39	7.86
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.39	
			For >500 To 1,000, Deduct	-2.09	
			For >1,000, Deduct	-2.79	
			For 304 Stainless Steel, Add	19.69	
			For 316 Stainless Steel, Add	22.11	
			For Aluminum, Add	1.24	
			For Galvanized Steel, Add	4.28	
05 12 23 00-0551	LF		C3 x 6 - 3" Wide Channel.....	20.88	9.43
			For >100 To 250, Deduct	-1.15	
			For >250 To 500, Deduct	-1.67	
			For >500 To 1,000, Deduct	-2.51	
			For >1,000, Deduct	-3.35	
			For 304 Stainless Steel, Add	23.66	
			For 316 Stainless Steel, Add	26.56	
			For Aluminum, Add	1.49	
			For Galvanized Steel, Add	5.15	
05 12 23 00-0552	LF		C4 x 5.4 - 4" Wide Channel.....	17.78	7.73
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-2.11	
			For >1,000, Deduct	-2.81	
			For 304 Stainless Steel, Add	21.29	
			For 316 Stainless Steel, Add	23.90	
			For Aluminum, Add	1.34	
			For Galvanized Steel, Add	4.63	
05 12 23 00-0553	LF		C4 x 7.25 - 4" Wide Channel.....	23.86	10.37
			For >100 To 250, Deduct	-1.29	
			For >250 To 500, Deduct	-1.89	
			For >500 To 1,000, Deduct	-2.83	
			For >1,000, Deduct	-3.77	
			For 304 Stainless Steel, Add	28.56	
			For 316 Stainless Steel, Add	32.06	
			For Aluminum, Add	1.80	
			For Galvanized Steel, Add	6.21	
05 12 23 00-0554	LF		C5 x 6.7 - 5" Wide Channel.....	21.28	9.01
			For >100 To 250, Deduct	-1.13	
			For >250 To 500, Deduct	-1.67	
			For >500 To 1,000, Deduct	-2.50	
			For >1,000, Deduct	-3.33	
			For 304 Stainless Steel, Add	26.39	
			For 316 Stainless Steel, Add	29.63	
			For Aluminum, Add	1.67	
			For Galvanized Steel, Add	5.74	
05 12 23 00-0555	LF		C5 x 9 - 5" Wide Channel.....	28.59	12.12
			For >100 To 250, Deduct	-1.52	
			For >250 To 500, Deduct	-2.24	
			For >500 To 1,000, Deduct	-3.36	
			For >1,000, Deduct	-4.47	
			For 304 Stainless Steel, Add	35.45	
			For 316 Stainless Steel, Add	39.81	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.71	
05 12 23 00-0556	LF		C6 x 8.2 - 6" Wide Channel.....	25.77	10.83
			For >100 To 250, Deduct	-1.37	
			For >250 To 500, Deduct	-2.01	
			For >500 To 1,000, Deduct	-3.02	
			For >1,000, Deduct	-4.02	
			For 304 Stainless Steel, Add	32.32	
			For 316 Stainless Steel, Add	36.29	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.03	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0557	LF		C6 x 10.5 - 6" Wide Channel	33.00	13.86
			For >100 To 250, Deduct	-1.75	
			For >250 To 500, Deduct	-2.57	
			For >500 To 1,000, Deduct	-3.86	
			For >1,000, Deduct	-5.15	
			For 304 Stainless Steel, Add	41.38	
			For 316 Stainless Steel, Add	46.46	
			For Aluminum, Add	2.61	
			For Galvanized Steel, Add	9.00	
05 12 23 00-0558	LF		C6 x 13 - 6" Wide Channel	40.85	17.16
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-3.19	
			For >500 To 1,000, Deduct	-4.78	
			For >1,000, Deduct	-6.37	
			For 304 Stainless Steel, Add	51.21	
			For 316 Stainless Steel, Add	57.50	
			For Aluminum, Add	3.23	
			For Galvanized Steel, Add	11.14	
05 12 23 00-0559	LF		C7 x 9.8 - 7" Wide Channel	30.73	12.88
			For >100 To 250, Deduct	-1.63	
			For >250 To 500, Deduct	-2.40	
			For >500 To 1,000, Deduct	-3.59	
			For >1,000, Deduct	-4.79	
			For 304 Stainless Steel, Add	38.62	
			For 316 Stainless Steel, Add	43.36	
			For Aluminum, Add	2.44	
			For Galvanized Steel, Add	8.40	
05 12 23 00-0560	LF		C7 x 12.25 - 7" Wide Channel	38.41	16.10
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.99	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.99	
			For 304 Stainless Steel, Add	48.28	
			For 316 Stainless Steel, Add	54.21	
			For Aluminum, Add	3.05	
			For Galvanized Steel, Add	10.50	
05 12 23 00-0561	LF		C7 x 14.75 - 7" Wide Channel	46.25	19.39
			For >100 To 250, Deduct	-2.45	
			For >250 To 500, Deduct	-3.61	
			For >500 To 1,000, Deduct	-5.41	
			For >1,000, Deduct	-7.21	
			For 304 Stainless Steel, Add	58.11	
			For 316 Stainless Steel, Add	65.25	
			For Aluminum, Add	3.67	
			For Galvanized Steel, Add	12.64	
05 12 23 00-0562	LF		C8 x 11.5 - 8" Wide Channel	34.80	14.17
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.69	
			For >500 To 1,000, Deduct	-4.03	
			For >1,000, Deduct	-5.37	
			For 304 Stainless Steel, Add	45.32	
			For 316 Stainless Steel, Add	50.88	
			For Aluminum, Add	2.86	
			For Galvanized Steel, Add	9.86	
05 12 23 00-0563	LF		C8 x 13.75 - 8" Wide Channel	41.61	16.95
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-3.21	
			For >500 To 1,000, Deduct	-4.82	
			For >1,000, Deduct	-6.42	
			For 304 Stainless Steel, Add	54.18	
			For 316 Stainless Steel, Add	60.83	
			For Aluminum, Add	3.42	
			For Galvanized Steel, Add	11.79	
05 12 23 00-0564	LF		C8 x 18.75 - 8" Wide Channel	56.73	23.11
			For >100 To 250, Deduct	-2.96	
			For >250 To 500, Deduct	-4.38	
			For >500 To 1,000, Deduct	-6.57	
			For >1,000, Deduct	-8.75	
			For 304 Stainless Steel, Add	73.87	
			For 316 Stainless Steel, Add	82.94	
			For Aluminum, Add	4.67	
			For Galvanized Steel, Add	16.07	
05 12 23 00-0565	LF		C9 x 13.4 - 9" Wide Channel	40.55	16.52
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-3.13	
			For >500 To 1,000, Deduct	-4.69	
			For >1,000, Deduct	-6.26	
			For 304 Stainless Steel, Add	52.61	
			For 316 Stainless Steel, Add	59.30	
			For Aluminum, Add	3.34	
			For Galvanized Steel, Add	11.49	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0566	LF		C9 x 15 - 9" Wide Channel.....	45.39	18.49
			For >100 To 250, Deduct	-2.37	
			For >250 To 500, Deduct	-3.50	
			For >500 To 1,000, Deduct	-5.25	
			For >1,000, Deduct	-7.00	
			For 304 Stainless Steel, Add	59.11	
			For 316 Stainless Steel, Add	66.37	
			For Aluminum, Add	3.73	
			For Galvanized Steel, Add	12.86	
05 12 23 00-0567	LF		C9 x 20 - 9" Wide Channel.....	60.52	24.65
			For >100 To 250, Deduct	-3.16	
			For >250 To 500, Deduct	-4.67	
			For >500 To 1,000, Deduct	-7.00	
			For >1,000, Deduct	-9.34	
			For 304 Stainless Steel, Add	78.80	
			For 316 Stainless Steel, Add	88.48	
			For Aluminum, Add	4.98	
			For Galvanized Steel, Add	17.14	
05 12 23 00-0568	LF		C10 x 15.3 - 10" Wide Channel.....	46.29	18.85
			For >100 To 250, Deduct	-2.41	
			For >250 To 500, Deduct	-3.57	
			For >500 To 1,000, Deduct	-5.36	
			For >1,000, Deduct	-7.14	
			For 304 Stainless Steel, Add	60.28	
			For 316 Stainless Steel, Add	67.68	
			For Aluminum, Add	3.81	
			For Galvanized Steel, Add	13.11	
05 12 23 00-0569	LF		C10 x 20 - 10" Wide Channel.....	60.52	24.65
			For >100 To 250, Deduct	-3.16	
			For >250 To 500, Deduct	-4.67	
			For >500 To 1,000, Deduct	-7.00	
			For >1,000, Deduct	-9.34	
			For 304 Stainless Steel, Add	78.80	
			For 316 Stainless Steel, Add	88.48	
			For Aluminum, Add	4.98	
			For Galvanized Steel, Add	17.14	
05 12 23 00-0570	LF		C10 x 25 - 10" Wide Channel.....	75.66	30.81
			For >100 To 250, Deduct	-3.95	
			For >250 To 500, Deduct	-5.84	
			For >500 To 1,000, Deduct	-8.76	
			For >1,000, Deduct	-11.68	
			For 304 Stainless Steel, Add	98.52	
			For 316 Stainless Steel, Add	110.62	
			For Aluminum, Add	6.22	
			For Galvanized Steel, Add	21.43	
05 12 23 00-0571	LF		C10 x 30 - 10" Wide Channel.....	90.78	36.97
			For >100 To 250, Deduct	-4.73	
			For >250 To 500, Deduct	-7.00	
			For >500 To 1,000, Deduct	-10.51	
			For >1,000, Deduct	-14.01	
			For 304 Stainless Steel, Add	118.22	
			For 316 Stainless Steel, Add	132.74	
			For Aluminum, Add	7.47	
			For Galvanized Steel, Add	25.72	
05 12 23 00-0572	LF		C12 x 20.7 - 12" Wide Channel.....	62.64	25.52
			For >100 To 250, Deduct	-3.27	
			For >250 To 500, Deduct	-4.83	
			For >500 To 1,000, Deduct	-7.25	
			For >1,000, Deduct	-9.67	
			For 304 Stainless Steel, Add	81.57	
			For 316 Stainless Steel, Add	91.58	
			For Aluminum, Add	5.15	
			For Galvanized Steel, Add	17.74	
05 12 23 00-0573	LF		C12 x 25 - 12" Wide Channel.....	75.66	30.81
			For >100 To 250, Deduct	-3.95	
			For >250 To 500, Deduct	-5.84	
			For >500 To 1,000, Deduct	-8.76	
			For >1,000, Deduct	-11.68	
			For 304 Stainless Steel, Add	98.52	
			For 316 Stainless Steel, Add	110.62	
			For Aluminum, Add	6.22	
			For Galvanized Steel, Add	21.43	
05 12 23 00-0574	LF		C12 x 30 - 12" Wide Channel.....	90.78	36.97
			For >100 To 250, Deduct	-4.73	
			For >250 To 500, Deduct	-7.00	
			For >500 To 1,000, Deduct	-10.51	
			For >1,000, Deduct	-14.01	
			For 304 Stainless Steel, Add	118.22	
			For 316 Stainless Steel, Add	132.74	
			For Aluminum, Add	7.47	
			For Galvanized Steel, Add	25.72	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0575	LF		C15 x 33.9 - 15" Wide Channel	102.58	41.78
			For >100 To 250, Deduct	-5.35	
			For >250 To 500, Deduct	-7.91	
			For >500 To 1,000, Deduct	-11.87	
			For >1,000, Deduct	-15.83	
			For 304 Stainless Steel, Add	133.58	
			For 316 Stainless Steel, Add	149.98	
			For Aluminum, Add	8.44	
			For Galvanized Steel, Add	29.06	
05 12 23 00-0576	LF		C15 x 40 - 15" Wide Channel	121.04	49.30
			For >100 To 250, Deduct	-6.31	
			For >250 To 500, Deduct	-9.34	
			For >500 To 1,000, Deduct	-14.01	
			For >1,000, Deduct	-18.68	
			For 304 Stainless Steel, Add	157.63	
			For 316 Stainless Steel, Add	176.99	
			For Aluminum, Add	9.96	
			For Galvanized Steel, Add	34.29	
05 12 23 00-0577	LF		C15 x 50 - 15" Wide Channel	151.30	61.62
			For >100 To 250, Deduct	-7.89	
			For >250 To 500, Deduct	-11.67	
			For >500 To 1,000, Deduct	-17.51	
			For >1,000, Deduct	-23.35	
			For 304 Stainless Steel, Add	197.02	
			For 316 Stainless Steel, Add	221.22	
			For Aluminum, Add	12.44	
			For Galvanized Steel, Add	42.86	
05 12 23 00-0578 Miscellaneous Channels - MC (05 12 23 00-0422)					
05 12 23 00-0579	LF		MC6 x 12 - 6" Wide Channel	37.71	15.84
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.94	
			For >500 To 1,000, Deduct	-4.41	
			For >1,000, Deduct	-5.88	
			For 304 Stainless Steel, Add	47.28	
			For 316 Stainless Steel, Add	53.09	
			For Aluminum, Add	2.99	
			For Galvanized Steel, Add	10.29	
05 12 23 00-0580	LF		MC6 x 15.1 - 6" Wide Channel	47.46	19.93
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.70	
			For >500 To 1,000, Deduct	-5.55	
			For >1,000, Deduct	-7.40	
			For 304 Stainless Steel, Add	59.51	
			For 316 Stainless Steel, Add	66.82	
			For Aluminum, Add	3.76	
			For Galvanized Steel, Add	12.95	
05 12 23 00-0581	LF		MC6 x 15.3 - 6" Wide Channel	48.08	20.19
			For >100 To 250, Deduct	-2.55	
			For >250 To 500, Deduct	-3.75	
			For >500 To 1,000, Deduct	-5.63	
			For >1,000, Deduct	-7.50	
			For 304 Stainless Steel, Add	60.28	
			For 316 Stainless Steel, Add	67.68	
			For Aluminum, Add	3.81	
			For Galvanized Steel, Add	13.11	
05 12 23 00-0582	LF		MC6 x 16.3 - 6" Wide Channel	51.23	21.51
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-4.00	
			For >500 To 1,000, Deduct	-5.99	
			For >1,000, Deduct	-7.99	
			For 304 Stainless Steel, Add	64.24	
			For 316 Stainless Steel, Add	72.13	
			For Aluminum, Add	4.06	
			For Galvanized Steel, Add	13.97	
05 12 23 00-0583	LF		MC6 x 18 - 6" Wide Channel	56.57	23.76
			For >100 To 250, Deduct	-3.00	
			For >250 To 500, Deduct	-4.41	
			For >500 To 1,000, Deduct	-6.62	
			For >1,000, Deduct	-8.83	
			For 304 Stainless Steel, Add	70.94	
			For 316 Stainless Steel, Add	79.65	
			For Aluminum, Add	4.48	
			For Galvanized Steel, Add	15.43	
05 12 23 00-0584	LF		MC7 x 17.6 - 7" Wide Channel	55.19	23.15
			For >100 To 250, Deduct	-2.92	
			For >250 To 500, Deduct	-4.30	
			For >500 To 1,000, Deduct	-6.45	
			For >1,000, Deduct	-8.61	
			For 304 Stainless Steel, Add	69.34	
			For 316 Stainless Steel, Add	77.86	
			For Aluminum, Add	4.38	
			For Galvanized Steel, Add	15.08	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0585	LF		MC7 x 19.1 - 7" Wide Channel.....	59.91	25.12
			For >100 To 250, Deduct	-3.17	
			For >250 To 500, Deduct	-4.67	
			For >500 To 1,000, Deduct	-7.01	
			For >1,000, Deduct	-9.34	
			For 304 Stainless Steel, Add	75.27	
			For 316 Stainless Steel, Add	84.51	
			For Aluminum, Add	4.75	
			For Galvanized Steel, Add	16.37	
05 12 23 00-0586	LF		MC7 x 22.7 - 7" Wide Channel.....	71.19	29.85
			For >100 To 250, Deduct	-3.77	
			For >250 To 500, Deduct	-5.55	
			For >500 To 1,000, Deduct	-8.32	
			For >1,000, Deduct	-11.10	
			For 304 Stainless Steel, Add	89.46	
			For 316 Stainless Steel, Add	100.45	
			For Aluminum, Add	5.65	
			For Galvanized Steel, Add	19.46	
05 12 23 00-0587	LF		MC8 x 8.5 - 8" Wide Channel.....	25.73	10.48
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-1.99	
			For >500 To 1,000, Deduct	-2.98	
			For >1,000, Deduct	-3.97	
			For 304 Stainless Steel, Add	33.49	
			For 316 Stainless Steel, Add	37.60	
			For Aluminum, Add	2.12	
			For Galvanized Steel, Add	7.29	
05 12 23 00-0588	LF		MC8 x 18.7 - 8" Wide Channel.....	56.59	23.04
			For >100 To 250, Deduct	-2.95	
			For >250 To 500, Deduct	-4.37	
			For >500 To 1,000, Deduct	-6.55	
			For >1,000, Deduct	-8.73	
			For 304 Stainless Steel, Add	73.70	
			For 316 Stainless Steel, Add	82.75	
			For Aluminum, Add	4.65	
			For Galvanized Steel, Add	16.03	
05 12 23 00-0589	LF		MC8 x 20 - 8" Wide Channel.....	60.52	24.65
			For >100 To 250, Deduct	-3.16	
			For >250 To 500, Deduct	-4.67	
			For >500 To 1,000, Deduct	-7.00	
			For >1,000, Deduct	-9.34	
			For 304 Stainless Steel, Add	78.80	
			For 316 Stainless Steel, Add	88.48	
			For Aluminum, Add	4.98	
			For Galvanized Steel, Add	17.14	
05 12 23 00-0590	LF		MC8 x 21.4 - 8" Wide Channel.....	64.77	26.38
			For >100 To 250, Deduct	-3.38	
			For >250 To 500, Deduct	-5.00	
			For >500 To 1,000, Deduct	-7.50	
			For >1,000, Deduct	-10.00	
			For 304 Stainless Steel, Add	84.33	
			For 316 Stainless Steel, Add	94.69	
			For Aluminum, Add	5.33	
			For Galvanized Steel, Add	18.35	
05 12 23 00-0591	LF		MC8 x 22.8 - 8" Wide Channel.....	68.98	28.11
			For >100 To 250, Deduct	-3.60	
			For >250 To 500, Deduct	-5.32	
			For >500 To 1,000, Deduct	-7.98	
			For >1,000, Deduct	-10.64	
			For 304 Stainless Steel, Add	89.83	
			For 316 Stainless Steel, Add	100.86	
			For Aluminum, Add	5.67	
			For Galvanized Steel, Add	19.54	
05 12 23 00-0592	LF		MC9 x 23.9 - 9" Wide Channel.....	72.33	29.46
			For >100 To 250, Deduct	-3.77	
			For >250 To 500, Deduct	-5.58	
			For >500 To 1,000, Deduct	-8.37	
			For >1,000, Deduct	-11.16	
			For 304 Stainless Steel, Add	94.19	
			For 316 Stainless Steel, Add	105.76	
			For Aluminum, Add	5.95	
			For Galvanized Steel, Add	20.49	
05 12 23 00-0593	LF		MC9 x 25.4 - 9" Wide Channel.....	76.85	31.30
			For >100 To 250, Deduct	-4.01	
			For >250 To 500, Deduct	-5.93	
			For >500 To 1,000, Deduct	-8.89	
			For >1,000, Deduct	-11.86	
			For 304 Stainless Steel, Add	100.09	
			For 316 Stainless Steel, Add	112.38	
			For Aluminum, Add	6.32	
			For Galvanized Steel, Add	21.77	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0594	LF		MC10 x 6.5 - 10" Wide Channel	19.68	8.01
			For >100 To 250, Deduct	-1.03	
			For >250 To 500, Deduct	-1.52	
			For >500 To 1,000, Deduct	-2.28	
			For >1,000, Deduct	-3.04	
			For 304 Stainless Steel, Add	25.62	
			For 316 Stainless Steel, Add	28.77	
			For Aluminum, Add	1.62	
			For Galvanized Steel, Add	5.57	
05 12 23 00-0595	LF		MC10 x 8.4 - 10" Wide Channel	25.41	10.35
			For >100 To 250, Deduct	-1.33	
			For >250 To 500, Deduct	-1.96	
			For >500 To 1,000, Deduct	-2.94	
			For >1,000, Deduct	-3.92	
			For 304 Stainless Steel, Add	33.09	
			For 316 Stainless Steel, Add	37.15	
			For Aluminum, Add	2.09	
			For Galvanized Steel, Add	7.20	
05 12 23 00-0596	LF		MC10 x 21.9 - 10" Wide Channel	66.26	27.00
			For >100 To 250, Deduct	-3.46	
			For >250 To 500, Deduct	-5.11	
			For >500 To 1,000, Deduct	-7.67	
			For >1,000, Deduct	-10.22	
			For 304 Stainless Steel, Add	86.30	
			For 316 Stainless Steel, Add	96.90	
			For Aluminum, Add	5.45	
			For Galvanized Steel, Add	18.77	
05 12 23 00-0597	LF		MC10 x 24.9 - 10" Wide Channel	75.36	30.70
			For >100 To 250, Deduct	-3.93	
			For >250 To 500, Deduct	-5.81	
			For >500 To 1,000, Deduct	-8.72	
			For >1,000, Deduct	-11.63	
			For 304 Stainless Steel, Add	98.13	
			For 316 Stainless Steel, Add	110.18	
			For Aluminum, Add	6.20	
			For Galvanized Steel, Add	21.35	
05 12 23 00-0598	LF		MC10 x 25.3 - 10" Wide Channel	76.55	31.19
			For >100 To 250, Deduct	-3.99	
			For >250 To 500, Deduct	-5.91	
			For >500 To 1,000, Deduct	-8.86	
			For >1,000, Deduct	-11.81	
			For 304 Stainless Steel, Add	99.69	
			For 316 Stainless Steel, Add	111.94	
			For Aluminum, Add	6.30	
			For Galvanized Steel, Add	21.69	
05 12 23 00-0599	LF		MC10 x 28.3 - 10" Wide Channel	85.65	34.88
			For >100 To 250, Deduct	-4.47	
			For >250 To 500, Deduct	-6.61	
			For >500 To 1,000, Deduct	-9.91	
			For >1,000, Deduct	-13.22	
			For 304 Stainless Steel, Add	111.52	
			For 316 Stainless Steel, Add	125.22	
			For Aluminum, Add	7.04	
			For Galvanized Steel, Add	24.26	
05 12 23 00-0600	LF		MC10 x 28.5 - 10" Wide Channel	86.25	35.13
			For >100 To 250, Deduct	-4.50	
			For >250 To 500, Deduct	-6.65	
			For >500 To 1,000, Deduct	-9.98	
			For >1,000, Deduct	-13.31	
			For 304 Stainless Steel, Add	112.32	
			For 316 Stainless Steel, Add	126.11	
			For Aluminum, Add	7.09	
			For Galvanized Steel, Add	24.43	
05 12 23 00-0601	LF		MC10 x 33.6 - 10" Wide Channel	101.68	41.42
			For >100 To 250, Deduct	-5.30	
			For >250 To 500, Deduct	-7.85	
			For >500 To 1,000, Deduct	-11.77	
			For >1,000, Deduct	-15.69	
			For 304 Stainless Steel, Add	132.41	
			For 316 Stainless Steel, Add	148.67	
			For Aluminum, Add	8.36	
			For Galvanized Steel, Add	28.81	
05 12 23 00-0602	LF		MC10 x 41.1 - 10" Wide Channel	124.37	50.66
			For >100 To 250, Deduct	-6.49	
			For >250 To 500, Deduct	-9.60	
			For >500 To 1,000, Deduct	-14.39	
			For >1,000, Deduct	-19.19	
			For 304 Stainless Steel, Add	161.97	
			For 316 Stainless Steel, Add	181.86	
			For Aluminum, Add	10.23	
			For Galvanized Steel, Add	35.23	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0603	LF		MC12 x 30.9 - 12" Wide Channel.....	93.51	38.09
			For >100 To 250, Deduct	-4.88	
			For >250 To 500, Deduct	-7.22	
			For >500 To 1,000, Deduct	-10.82	
			For >1,000, Deduct	-14.43	
			For 304 Stainless Steel, Add	121.75	
			For 316 Stainless Steel, Add	136.70	
			For Aluminum, Add	7.69	
			For Galvanized Steel, Add	26.49	
05 12 23 00-0604	LF		MC12 x 32.9 - 12" Wide Channel.....	99.56	40.54
			For >100 To 250, Deduct	-5.19	
			For >250 To 500, Deduct	-7.68	
			For >500 To 1,000, Deduct	-11.52	
			For >1,000, Deduct	-15.36	
			For 304 Stainless Steel, Add	129.65	
			For 316 Stainless Steel, Add	145.57	
			For Aluminum, Add	8.19	
			For Galvanized Steel, Add	28.20	
05 12 23 00-0605	LF		MC12 x 35 - 12" Wide Channel.....	105.91	43.13
			For >100 To 250, Deduct	-5.52	
			For >250 To 500, Deduct	-8.17	
			For >500 To 1,000, Deduct	-12.26	
			For >1,000, Deduct	-16.34	
			For 304 Stainless Steel, Add	137.91	
			For 316 Stainless Steel, Add	154.85	
			For Aluminum, Add	8.71	
			For Galvanized Steel, Add	30.00	
05 12 23 00-0606	LF		MC12 x 37 - 12" Wide Channel.....	111.97	45.61
			For >100 To 250, Deduct	-5.84	
			For >250 To 500, Deduct	-8.64	
			For >500 To 1,000, Deduct	-12.96	
			For >1,000, Deduct	-17.28	
			For 304 Stainless Steel, Add	145.81	
			For 316 Stainless Steel, Add	163.71	
			For Aluminum, Add	9.21	
			For Galvanized Steel, Add	31.72	
05 12 23 00-0607	LF		MC12 x 40 - 12" Wide Channel.....	121.04	49.30
			For >100 To 250, Deduct	-6.31	
			For >250 To 500, Deduct	-9.34	
			For >500 To 1,000, Deduct	-14.01	
			For >1,000, Deduct	-18.68	
			For 304 Stainless Steel, Add	157.63	
			For 316 Stainless Steel, Add	176.99	
			For Aluminum, Add	9.96	
			For Galvanized Steel, Add	34.29	
05 12 23 00-0608	LF		MC12 x 45 - 12" Wide Channel.....	136.18	55.47
			For >100 To 250, Deduct	-7.10	
			For >250 To 500, Deduct	-10.51	
			For >500 To 1,000, Deduct	-15.76	
			For >1,000, Deduct	-21.01	
			For 304 Stainless Steel, Add	177.33	
			For 316 Stainless Steel, Add	199.10	
			For Aluminum, Add	11.20	
			For Galvanized Steel, Add	38.58	
05 12 23 00-0609	LF		MC12 x 50 - 12" Wide Channel.....	151.30	61.63
			For >100 To 250, Deduct	-7.89	
			For >250 To 500, Deduct	-11.67	
			For >500 To 1,000, Deduct	-17.51	
			For >1,000, Deduct	-23.35	
			For 304 Stainless Steel, Add	197.02	
			For 316 Stainless Steel, Add	221.22	
			For Aluminum, Add	12.44	
			For Galvanized Steel, Add	42.86	
05 12 23 00-0610	LF		MC13 x 31.8 - 13" Wide Channel.....	96.24	39.20
			For >100 To 250, Deduct	-5.02	
			For >250 To 500, Deduct	-7.43	
			For >500 To 1,000, Deduct	-11.14	
			For >1,000, Deduct	-14.85	
			For 304 Stainless Steel, Add	125.31	
			For 316 Stainless Steel, Add	140.70	
			For Aluminum, Add	7.91	
			For Galvanized Steel, Add	27.26	
05 12 23 00-0611	LF		MC13 x 35 - 13" Wide Channel.....	105.91	43.13
			For >100 To 250, Deduct	-5.52	
			For >250 To 500, Deduct	-8.17	
			For >500 To 1,000, Deduct	-12.26	
			For >1,000, Deduct	-16.34	
			For 304 Stainless Steel, Add	137.91	
			For 316 Stainless Steel, Add	154.85	
			For Aluminum, Add	8.71	
			For Galvanized Steel, Add	30.00	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0612	LF		MC13 x 40 - 13" Wide Channel	121.04	49.30
			For >100 To 250, Deduct	-6.31	
			For >250 To 500, Deduct	-9.34	
			For >500 To 1,000, Deduct	-14.01	
			For >1,000, Deduct	-18.68	
			For 304 Stainless Steel, Add	157.63	
			For 316 Stainless Steel, Add	176.99	
			For Aluminum, Add	9.96	
			For Galvanized Steel, Add	34.29	
05 12 23 00-0613	LF		MC13 x 50 - 13" Wide Channel	151.30	61.63
			For >100 To 250, Deduct	-7.89	
			For >250 To 500, Deduct	-11.67	
			For >500 To 1,000, Deduct	-17.51	
			For >1,000, Deduct	-23.35	
			For 304 Stainless Steel, Add	197.02	
			For 316 Stainless Steel, Add	221.22	
			For Aluminum, Add	12.44	
			For Galvanized Steel, Add	42.86	
05 12 23 00-0614	LF		MC18 x 42.7 - 18" Wide Channel	129.21	52.63
			For >100 To 250, Deduct	-6.74	
			For >250 To 500, Deduct	-9.97	
			For >500 To 1,000, Deduct	-14.95	
			For >1,000, Deduct	-19.94	
			For 304 Stainless Steel, Add	168.26	
			For 316 Stainless Steel, Add	188.93	
			For Aluminum, Add	10.63	
			For Galvanized Steel, Add	36.60	
05 12 23 00-0615	LF		MC18 x 45.8 - 18" Wide Channel	138.59	56.46
			For >100 To 250, Deduct	-7.23	
			For >250 To 500, Deduct	-10.69	
			For >500 To 1,000, Deduct	-16.04	
			For >1,000, Deduct	-21.39	
			For 304 Stainless Steel, Add	180.49	
			For 316 Stainless Steel, Add	202.66	
			For Aluminum, Add	11.40	
			For Galvanized Steel, Add	39.26	
05 12 23 00-0616	LF		MC18 x 51.9 - 18" Wide Channel	157.06	63.97
			For >100 To 250, Deduct	-8.19	
			For >250 To 500, Deduct	-12.12	
			For >500 To 1,000, Deduct	-18.18	
			For >1,000, Deduct	-24.24	
			For 304 Stainless Steel, Add	204.52	
			For 316 Stainless Steel, Add	229.63	
			For Aluminum, Add	12.92	
			For Galvanized Steel, Add	44.49	
05 12 23 00-0617	LF		MC18 x 58 - 18" Wide Channel	175.51	71.48
			For >100 To 250, Deduct	-9.15	
			For >250 To 500, Deduct	-13.54	
			For >500 To 1,000, Deduct	-20.31	
			For >1,000, Deduct	-27.08	
			For 304 Stainless Steel, Add	228.54	
			For 316 Stainless Steel, Add	256.61	
			For Aluminum, Add	14.43	
			For Galvanized Steel, Add	49.72	
05 12 23 00-0618			Structural Bar Tees (05 12 23 00-0422)		
05 12 23 00-0619	LF		3/4" x 3/4" x 1/8" Structural Bar Tee	5.49	3.28
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-0.74	
			For >1,000, Deduct	-0.99	
			For 304 Stainless Steel, Add	3.19	
			For 316 Stainless Steel, Add	3.58	
			For Aluminum, Add	0.20	
			For Galvanized Steel, Add	0.69	
05 12 23 00-0620	LF		1" x 1" x 1/8" Structural Bar Tee	6.69	3.87
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.59	
			For >500 To 1,000, Deduct	-0.89	
			For >1,000, Deduct	-1.19	
			For 304 Stainless Steel, Add	4.36	
			For 316 Stainless Steel, Add	4.90	
			For Aluminum, Add	0.28	
			For Galvanized Steel, Add	0.95	
05 12 23 00-0621	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.33	4.46
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.81	
			For >500 To 1,000, Deduct	-1.22	
			For >1,000, Deduct	-1.63	
			For 304 Stainless Steel, Add	12.48	
			For 316 Stainless Steel, Add	14.02	
			For Aluminum, Add	0.79	
			For Galvanized Steel, Add	2.72	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0622	LF		2" x 2" x 1/4" Structural Bar Tee	14.31	5.84
			For >100 To 250, Deduct	-0.75	
			For >250 To 500, Deduct	-1.10	
			For >500 To 1,000, Deduct	-1.66	
			For >1,000, Deduct	-2.21	
			For 304 Stainless Steel, Add	18.61	
			For 316 Stainless Steel, Add	20.90	
			For Aluminum, Add	1.18	
			For Galvanized Steel, Add	4.05	
05 12 23 00-0623	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	21.13	7.04
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.53	
			For >500 To 1,000, Deduct	-2.29	
			For >1,000, Deduct	-3.05	
			For 304 Stainless Steel, Add	33.43	
			For 316 Stainless Steel, Add	37.54	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.27	
05 12 23 00-0624	LF		3" x 3" x 3/8" Structural Bar Tee	26.09	9.02
			For >100 To 250, Deduct	-1.25	
			For >250 To 500, Deduct	-1.91	
			For >500 To 1,000, Deduct	-2.86	
			For >1,000, Deduct	-3.81	
			For 304 Stainless Steel, Add	40.10	
			For 316 Stainless Steel, Add	45.02	
			For Aluminum, Add	2.53	
			For Galvanized Steel, Add	8.72	
05 12 23 00-0625			Structural Zees (05 12 23 00-0422)		
05 12 23 00-0626	LF		1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	12.49	4.46
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.92	
			For >500 To 1,000, Deduct	-1.38	
			For >1,000, Deduct	-1.84	
			For 304 Stainless Steel, Add	18.64	
			For 316 Stainless Steel, Add	20.93	
			For Aluminum, Add	1.18	
			For Galvanized Steel, Add	4.05	
05 12 23 00-0627	LF		2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	22.74	5.33
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.49	
			For >500 To 1,000, Deduct	-2.24	
			For >1,000, Deduct	-2.98	
			For 304 Stainless Steel, Add	44.57	
			For 316 Stainless Steel, Add	50.05	
			For Aluminum, Add	2.82	
			For Galvanized Steel, Add	9.70	
05 12 23 00-0628	LF		3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	27.16	6.01
			For >100 To 250, Deduct	-1.08	
			For >250 To 500, Deduct	-1.76	
			For >500 To 1,000, Deduct	-2.64	
			For >1,000, Deduct	-3.52	
			For 304 Stainless Steel, Add	54.55	
			For 316 Stainless Steel, Add	61.25	
			For Aluminum, Add	3.45	
			For Galvanized Steel, Add	11.87	
05 12 23 00-0629	LF		3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	36.24	6.87
			For >100 To 250, Deduct	-1.36	
			For >250 To 500, Deduct	-2.27	
			For >500 To 1,000, Deduct	-3.41	
			For >1,000, Deduct	-4.54	
			For 304 Stainless Steel, Add	77.18	
			For 316 Stainless Steel, Add	86.66	
			For Aluminum, Add	4.87	
			For Galvanized Steel, Add	16.79	
05 12 23 00-0630	LF		3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	46.62	7.47
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.83	
			For >500 To 1,000, Deduct	-4.24	
			For >1,000, Deduct	-5.66	
			For 304 Stainless Steel, Add	104.45	
			For 316 Stainless Steel, Add	117.28	
			For Aluminum, Add	6.60	
			For Galvanized Steel, Add	22.72	

05 12 23 00-0631 Junior I-Beams (05 12 23 00-0422)



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0632	LF	3" Junior I-Beam, 2.9 Lb./LF	.....	17.21	6.45
		For >100 To 250, Deduct	.....	-0.86	
		For >250 To 500, Deduct	.....	-1.29	
		For >500 To 1,000, Deduct	.....	-1.94	
		For >1,000, Deduct	.....	-2.58	
		For 304 Stainless Steel, Add	.....	24.57	
		For 316 Stainless Steel, Add	.....	27.58	
		For Aluminum, Add	.....	1.55	
		For Galvanized Steel, Add	.....	5.34	
05 12 23 00-0633	LF	4" Junior I-Beam, 3.2 Lb./LF	.....	18.91	7.04
		For >100 To 250, Deduct	.....	-0.94	
		For >250 To 500, Deduct	.....	-1.42	
		For >500 To 1,000, Deduct	.....	-2.12	
		For >1,000, Deduct	.....	-2.83	
		For 304 Stainless Steel, Add	.....	27.10	
		For 316 Stainless Steel, Add	.....	30.43	
		For Aluminum, Add	.....	1.71	
		For Galvanized Steel, Add	.....	5.90	
05 12 23 00-0634	LF	5" Junior I-Beam, 3.8 Lb./LF	.....	21.59	7.73
		For >100 To 250, Deduct	.....	-1.05	
		For >250 To 500, Deduct	.....	-1.59	
		For >500 To 1,000, Deduct	.....	-2.39	
		For >1,000, Deduct	.....	-3.19	
		For 304 Stainless Steel, Add	.....	32.18	
		For 316 Stainless Steel, Add	.....	36.13	
		For Aluminum, Add	.....	2.03	
		For Galvanized Steel, Add	.....	7.00	
05 12 23 00-0635	LF	6" Junior I-Beam, 4.4 Lb./LF	.....	24.30	8.42
		For >100 To 250, Deduct	.....	-1.17	
		For >250 To 500, Deduct	.....	-1.78	
		For >500 To 1,000, Deduct	.....	-2.66	
		For >1,000, Deduct	.....	-3.55	
		For 304 Stainless Steel, Add	.....	37.25	
		For 316 Stainless Steel, Add	.....	41.82	
		For Aluminum, Add	.....	2.35	
		For Galvanized Steel, Add	.....	8.10	
05 12 23 00-0636	LF	7" Junior I-Beam, 5.5 Lb./LF	.....	28.36	9.01
		For >100 To 250, Deduct	.....	-1.31	
		For >250 To 500, Deduct	.....	-2.02	
		For >500 To 1,000, Deduct	.....	-3.03	
		For >1,000, Deduct	.....	-4.04	
		For 304 Stainless Steel, Add	.....	46.57	
		For 316 Stainless Steel, Add	.....	52.29	
		For Aluminum, Add	.....	2.94	
		For Galvanized Steel, Add	.....	10.13	
05 12 23 00-0637	LF	8" Junior I-Beam, 6.5 Lb./LF	.....	32.14	9.62
		For >100 To 250, Deduct	.....	-1.45	
		For >250 To 500, Deduct	.....	-2.25	
		For >500 To 1,000, Deduct	.....	-3.37	
		For >1,000, Deduct	.....	-4.50	
		For 304 Stainless Steel, Add	.....	55.03	
		For 316 Stainless Steel, Add	.....	61.79	
		For Aluminum, Add	.....	3.48	
		For Galvanized Steel, Add	.....	11.97	
05 12 23 00-0638	LF	10" Junior I-Beam, 9 Lb./LF	.....	41.40	11.00
		For >100 To 250, Deduct	.....	-1.77	
		For >250 To 500, Deduct	.....	-2.80	
		For >500 To 1,000, Deduct	.....	-4.20	
		For >1,000, Deduct	.....	-5.61	
		For 304 Stainless Steel, Add	.....	76.21	
		For 316 Stainless Steel, Add	.....	85.57	
		For Aluminum, Add	.....	4.81	
		For Galvanized Steel, Add	.....	16.58	
05 12 23 00-0639	LF	12" Junior I-Beam, 11.8 Lb./LF	.....	52.47	13.06
		For >100 To 250, Deduct	.....	-2.18	
		For >250 To 500, Deduct	.....	-3.49	
		For >500 To 1,000, Deduct	.....	-5.24	
		For >1,000, Deduct	.....	-6.99	
		For 304 Stainless Steel, Add	.....	99.92	
		For 316 Stainless Steel, Add	.....	112.19	
		For Aluminum, Add	.....	6.31	
		For Galvanized Steel, Add	.....	21.74	
05 12 23 00-0640		Round Stock (05 12 23 00-0422)			
05 12 23 00-0641	LF	1/4" Carbon Steel Rounds, ASTM A108	.....	2.32	
		For 304 Stainless Steel, Add	.....	3.33	
		For 316 Stainless Steel, Add	.....	3.74	
		For Aluminum, Add	.....	0.21	
		For Galvanized Steel, Add	.....	0.73	
05 12 23 00-0642	LF	3/8" Carbon Steel Rounds, ASTM A108	.....	3.61	
		For 304 Stainless Steel, Add	.....	6.58	
		For 316 Stainless Steel, Add	.....	7.39	
		For Aluminum, Add	.....	0.42	
		For Galvanized Steel, Add	.....	1.43	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0643 LF 1/2" Carbon Steel Rounds, ASTM A108	4.94	
For 304 Stainless Steel, Add	10.00	
For 316 Stainless Steel, Add	11.23	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.18	
05 12 23 00-0644 LF 5/8" Carbon Steel Rounds, ASTM A108	7.45	
For 304 Stainless Steel, Add	16.70	
For 316 Stainless Steel, Add	18.75	
For Aluminum, Add	1.05	
For Galvanized Steel, Add	3.63	
05 12 23 00-0645 LF 3/4" Carbon Steel Rounds, ASTM A108	8.87	
For 304 Stainless Steel, Add	19.84	
For 316 Stainless Steel, Add	22.27	
For Aluminum, Add	1.25	
For Galvanized Steel, Add	4.32	
05 12 23 00-0646 LF 7/8" Carbon Steel Rounds, ASTM A108	10.34	
For 304 Stainless Steel, Add	23.17	
For 316 Stainless Steel, Add	26.02	
For Aluminum, Add	1.46	
For Galvanized Steel, Add	5.04	
05 12 23 00-0647 LF 1" Carbon Steel Rounds, ASTM A108	14.99	
For 304 Stainless Steel, Add	35.31	
For 316 Stainless Steel, Add	39.65	
For Aluminum, Add	2.23	
For Galvanized Steel, Add	7.68	
05 12 23 00-0648 LF 1-1/8" Carbon Steel Rounds, ASTM A108	18.23	
For 304 Stainless Steel, Add	42.89	
For 316 Stainless Steel, Add	48.16	
For Aluminum, Add	2.71	
For Galvanized Steel, Add	9.33	
05 12 23 00-0649 LF 1-1/4" Carbon Steel Rounds, ASTM A108	21.80	
For 304 Stainless Steel, Add	50.47	
For 316 Stainless Steel, Add	56.67	
For Aluminum, Add	3.19	
For Galvanized Steel, Add	10.98	
05 12 23 00-0650 LF 1-3/8" Carbon Steel Rounds, ASTM A108	26.38	
For 304 Stainless Steel, Add	61.59	
For 316 Stainless Steel, Add	69.15	
For Aluminum, Add	3.89	
For Galvanized Steel, Add	13.40	
05 12 23 00-0651 LF 1-1/2" Carbon Steel Rounds, ASTM A108	29.44	
For 304 Stainless Steel, Add	67.57	
For 316 Stainless Steel, Add	75.87	
For Aluminum, Add	4.27	
For Galvanized Steel, Add	14.70	
05 12 23 00-0652 LF 1-5/8" Carbon Steel Rounds, ASTM A108	34.03	
For 304 Stainless Steel, Add	76.58	
For 316 Stainless Steel, Add	85.98	
For Aluminum, Add	4.84	
For Galvanized Steel, Add	16.66	
05 12 23 00-0653 LF 1-3/4" Carbon Steel Rounds, ASTM A108	40.82	
For 304 Stainless Steel, Add	89.12	
For 316 Stainless Steel, Add	100.06	
For Aluminum, Add	5.63	
For Galvanized Steel, Add	19.39	
05 12 23 00-0654 LF 1-7/8" Carbon Steel Rounds, ASTM A108	49.23	
For 304 Stainless Steel, Add	104.40	
For 316 Stainless Steel, Add	117.22	
For Aluminum, Add	6.59	
For Galvanized Steel, Add	22.71	
05 12 23 00-0655 LF 2" Carbon Steel Rounds, ASTM A108	56.28	
For 304 Stainless Steel, Add	116.11	
For 316 Stainless Steel, Add	130.37	
For Aluminum, Add	7.33	
For Galvanized Steel, Add	25.26	
05 12 23 00-0656 LF 2-1/8" Carbon Steel Rounds, ASTM A108	65.84	
For 304 Stainless Steel, Add	132.61	
For 316 Stainless Steel, Add	148.90	
For Aluminum, Add	8.38	
For Galvanized Steel, Add	28.85	
05 12 23 00-0657 LF 2-1/4" Carbon Steel Rounds, ASTM A108	74.52	
For 304 Stainless Steel, Add	149.08	
For 316 Stainless Steel, Add	167.39	
For Aluminum, Add	9.42	
For Galvanized Steel, Add	32.43	
05 12 23 00-0658 LF 2-3/8" Carbon Steel Rounds, ASTM A108	85.37	
For 304 Stainless Steel, Add	170.54	
For 316 Stainless Steel, Add	191.49	
For Aluminum, Add	10.77	
For Galvanized Steel, Add	37.10	
05 12 23 00-0659 LF 2-1/2" Carbon Steel Rounds, ASTM A108	94.47	
For 304 Stainless Steel, Add	183.80	
For 316 Stainless Steel, Add	206.37	
For Aluminum, Add	11.61	
For Galvanized Steel, Add	39.98	



	Metals	05	
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0660 LF 2-5/8" Carbon Steel Rounds, ASTM A108.....	115.23	
For 304 Stainless Steel, Add	233.44	
For 316 Stainless Steel, Add	262.11	
For Aluminum, Add	14.74	
For Galvanized Steel, Add	50.78	
05 12 23 00-0661 LF 2-3/4" Carbon Steel Rounds, ASTM A108.....	131.17	
For 304 Stainless Steel, Add	266.22	
For 316 Stainless Steel, Add	298.91	
For Aluminum, Add	16.61	
For Galvanized Steel, Add	57.91	
05 12 23 00-0662 LF 2-7/8 Carbon Steel Rounds, ASTM A108.....	146.29	
For 304 Stainless Steel, Add	296.66	
For 316 Stainless Steel, Add	333.09	
For Aluminum, Add	18.74	
For Galvanized Steel, Add	64.54	
05 12 23 00-0663 LF 3" Carbon Steel Rounds, ASTM A108.....	153.86	
For 304 Stainless Steel, Add	305.58	
For 316 Stainless Steel, Add	343.10	
For Aluminum, Add	19.30	
For Galvanized Steel, Add	66.48	
05 12 23 00-0664 LF 3-1/8" Carbon Steel Rounds, ASTM A108.....	160.68	
For 304 Stainless Steel, Add	312.33	
For 316 Stainless Steel, Add	350.69	
For Aluminum, Add	19.73	
For Galvanized Steel, Add	67.95	
05 12 23 00-0665 LF 3-1/4" Carbon Steel Rounds, ASTM A108.....	169.58	
For 304 Stainless Steel, Add	325.07	
For 316 Stainless Steel, Add	364.99	
For Aluminum, Add	20.53	
For Galvanized Steel, Add	70.72	
05 12 23 00-0666 LF 3-1/2" Carbon Steel Rounds, ASTM A108.....	205.81	
For 304 Stainless Steel, Add	412.48	
For 316 Stainless Steel, Add	463.14	
For Aluminum, Add	26.05	
For Galvanized Steel, Add	89.73	
05 12 23 00-0667 LF 3-5/8" Carbon Steel Rounds, ASTM A108.....	228.54	
For 304 Stainless Steel, Add	461.44	
For 316 Stainless Steel, Add	518.11	
For Aluminum, Add	29.14	
For Galvanized Steel, Add	100.38	
05 12 23 00-0668 LF 3-3/4" Carbon Steel Rounds, ASTM A108.....	245.37	
For 304 Stainless Steel, Add	493.59	
For 316 Stainless Steel, Add	554.21	
For Aluminum, Add	31.17	
For Galvanized Steel, Add	107.38	
05 12 23 00-0669 LF 4" Carbon Steel Rounds, ASTM A108.....	274.92	
For 304 Stainless Steel, Add	561.96	
For 316 Stainless Steel, Add	630.98	
For Aluminum, Add	35.49	
For Galvanized Steel, Add	122.25	
05 12 23 00-0670 Square Stock (05 12 23 00-0422)		
05 12 23 00-0671 LF 3/8" Square Bar Stock.....	1.96	
For 304 Stainless Steel, Add	1.88	
For 316 Stainless Steel, Add	2.11	
For Aluminum, Add	0.12	
For Galvanized Steel, Add	0.41	
05 12 23 00-0672 LF 1/2" Square Bar Stock.....	2.60	
For 304 Stainless Steel, Add	3.33	
For 316 Stainless Steel, Add	3.74	
For Aluminum, Add	0.21	
For Galvanized Steel, Add	0.73	
05 12 23 00-0673 LF 5/8" Square Bar Stock.....	3.42	
For 304 Stainless Steel, Add	5.22	
For 316 Stainless Steel, Add	5.86	
For Aluminum, Add	0.33	
For Galvanized Steel, Add	1.13	
05 12 23 00-0674 LF 3/4" Square Bar Stock.....	4.54	
For 304 Stainless Steel, Add	7.50	
For 316 Stainless Steel, Add	8.42	
For Aluminum, Add	0.47	
For Galvanized Steel, Add	1.63	
05 12 23 00-0675 LF 7/8" Square Bar Stock.....	5.88	
For 304 Stainless Steel, Add	10.46	
For 316 Stainless Steel, Add	11.74	
For Aluminum, Add	0.66	
For Galvanized Steel, Add	2.28	
05 12 23 00-0676 LF 1" Square Bar Stock.....	7.29	
For 304 Stainless Steel, Add	13.37	
For 316 Stainless Steel, Add	15.01	
For Aluminum, Add	0.84	
For Galvanized Steel, Add	2.91	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0677	LF		1-1/4" Square Bar Stock	11.41	
			For 304 Stainless Steel, Add	20.86	
			For 316 Stainless Steel, Add	23.42	
			For Aluminum, Add	1.32	
			For Galvanized Steel, Add	4.54	
05 12 23 00-0678	LF		1-1/2" Square Bar Stock	16.28	
			For 304 Stainless Steel, Add	30.07	
			For 316 Stainless Steel, Add	33.76	
			For Aluminum, Add	1.90	
			For Galvanized Steel, Add	6.54	
05 12 23 00-0679	LF		1-3/4" Square Bar Stock	24.21	
			For 304 Stainless Steel, Add	41.78	
			For 316 Stainless Steel, Add	46.91	
			For Aluminum, Add	2.64	
			For Galvanized Steel, Add	9.09	
05 12 23 00-0680	LF		2" Square Bar Stock	34.79	
			For 304 Stainless Steel, Add	53.47	
			For 316 Stainless Steel, Add	60.03	
			For Aluminum, Add	3.38	
			For Galvanized Steel, Add	11.63	
05 12 23 00-0681			Steel Tubing (05 12 23 00-0422)		
			Note: General purpose low-carbon steel.		
05 12 23 00-0682			Square Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0683			0.06" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0684	LF		1/2" x 1/2" x 0.06" Square Steel Tubing	2.55	0.61
			For >100 To 250, Deduct	-0.11	
			For >250 To 500, Deduct	-0.17	
			For >500 To 1,000, Deduct	-0.25	
			For >1,000, Deduct	-0.34	
			For 304 Stainless Steel, Add	4.90	
			For 316 Stainless Steel, Add	5.50	
			For Aluminum, Add	0.31	
			For Galvanized Steel, Add	1.07	
05 12 23 00-0685	LF		3/4" x 3/4" x 0.06" Square Steel Tubing	3.92	0.97
			For >100 To 250, Deduct	-0.16	
			For >250 To 500, Deduct	-0.26	
			For >500 To 1,000, Deduct	-0.39	
			For >1,000, Deduct	-0.52	
			For 304 Stainless Steel, Add	7.50	
			For 316 Stainless Steel, Add	8.42	
			For Aluminum, Add	0.47	
			For Galvanized Steel, Add	1.63	
05 12 23 00-0686	LF		1" x 1" x 0.06" Square Steel Tubing	5.27	1.76
			For >100 To 250, Deduct	-0.22	
			For >250 To 500, Deduct	-0.35	
			For >500 To 1,000, Deduct	-0.53	
			For >1,000, Deduct	-0.70	
			For 304 Stainless Steel, Add	10.00	
			For 316 Stainless Steel, Add	11.23	
			For Aluminum, Add	0.63	
			For Galvanized Steel, Add	2.18	
05 12 23 00-0687	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	6.96	1.67
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.46	
			For >500 To 1,000, Deduct	-0.69	
			For >1,000, Deduct	-0.92	
			For 304 Stainless Steel, Add	13.48	
			For 316 Stainless Steel, Add	15.14	
			For Aluminum, Add	0.85	
			For Galvanized Steel, Add	2.93	
05 12 23 00-0688	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	8.25	2.02
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.82	
			For >1,000, Deduct	-1.10	
			For 304 Stainless Steel, Add	15.82	
			For 316 Stainless Steel, Add	17.76	
			For Aluminum, Add	1.00	
			For Galvanized Steel, Add	3.44	
05 12 23 00-0689			0.083" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0690	LF		3/4" x 3/4" x 0.083" Square Steel Tubing	4.56	1.14
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.30	
			For >500 To 1,000, Deduct	-0.46	
			For >1,000, Deduct	-0.61	
			For 304 Stainless Steel, Add	8.69	
			For 316 Stainless Steel, Add	9.76	
			For Aluminum, Add	0.55	
			For Galvanized Steel, Add	1.89	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 12 23 00-0691	LF 1" x 1" x 0.083" Square Steel Tubing.....	6.63		1.56
	For >100 To 250, Deduct	-0.27		
	For >250 To 500, Deduct	-0.44		
	For >500 To 1,000, Deduct	-0.65		
	For >1,000, Deduct	-0.87		
	For 304 Stainless Steel, Add	13.00		
	For 316 Stainless Steel, Add	14.59		
	For Aluminum, Add	0.82		
	For Galvanized Steel, Add	2.83		
05 12 23 00-0692	LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	8.02		1.98
	For >100 To 250, Deduct	-0.33		
	For >250 To 500, Deduct	-0.53		
	For >500 To 1,000, Deduct	-0.80		
	For >1,000, Deduct	-1.07		
	For 304 Stainless Steel, Add	15.33		
	For 316 Stainless Steel, Add	17.22		
	For Aluminum, Add	0.97		
	For Galvanized Steel, Add	3.34		
05 12 23 00-0693	LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	9.70		2.41
	For >100 To 250, Deduct	-0.40		
	For >250 To 500, Deduct	-0.65		
	For >500 To 1,000, Deduct	-0.97		
	For >1,000, Deduct	-1.29		
	For 304 Stainless Steel, Add	18.50		
	For 316 Stainless Steel, Add	20.77		
	For Aluminum, Add	1.17		
	For Galvanized Steel, Add	4.02		
05 12 23 00-0694	LF 2" x 2" x 0.083" Square Steel Tubing.....	12.45		3.21
	For >100 To 250, Deduct	-0.53		
	For >250 To 500, Deduct	-0.84		
	For >500 To 1,000, Deduct	-1.25		
	For >1,000, Deduct	-1.67		
	For 304 Stainless Steel, Add	23.28		
	For 316 Stainless Steel, Add	26.14		
	For Aluminum, Add	1.47		
	For Galvanized Steel, Add	5.07		
05 12 23 00-0695	0.12" Wall Thickness (05 12 23 00-0682)			
05 12 23 00-0696	LF 1" x 1" x 0.12" Square Steel Tubing.....	7.33		1.85
	For >100 To 250, Deduct	-0.31		
	For >250 To 500, Deduct	-0.49		
	For >500 To 1,000, Deduct	-0.74		
	For >1,000, Deduct	-0.98		
	For 304 Stainless Steel, Add	13.85		
	For 316 Stainless Steel, Add	15.55		
	For Aluminum, Add	0.87		
	For Galvanized Steel, Add	3.01		
05 12 23 00-0697	LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	9.44		2.38
	For >100 To 250, Deduct	-0.39		
	For >250 To 500, Deduct	-0.63		
	For >500 To 1,000, Deduct	-0.95		
	For >1,000, Deduct	-1.26		
	For 304 Stainless Steel, Add	17.87		
	For 316 Stainless Steel, Add	20.06		
	For Aluminum, Add	1.13		
	For Galvanized Steel, Add	3.89		
05 12 23 00-0698	LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	11.59		2.90
	For >100 To 250, Deduct	-0.48		
	For >250 To 500, Deduct	-0.77		
	For >500 To 1,000, Deduct	-1.16		
	For >1,000, Deduct	-1.55		
	For 304 Stainless Steel, Add	21.97		
	For 316 Stainless Steel, Add	24.67		
	For Aluminum, Add	1.39		
	For Galvanized Steel, Add	4.78		
05 12 23 00-0699	LF 2" x 2" x 0.12" Square Steel Tubing.....	15.69		3.96
	For >100 To 250, Deduct	-0.66		
	For >250 To 500, Deduct	-1.05		
	For >500 To 1,000, Deduct	-1.57		
	For >1,000, Deduct	-2.10		
	For 304 Stainless Steel, Add	29.67		
	For 316 Stainless Steel, Add	33.31		
	For Aluminum, Add	1.87		
	For Galvanized Steel, Add	6.45		

05 12 23 00-0700 1/8" Wall Thickness (05 12 23 00-0682)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0701	LF		2" x 2" x 1/8" Square Steel Tubing.....	14.15	4.11
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.98	
			For >500 To 1,000, Deduct	-1.47	
			For >1,000, Deduct	-1.96	
			For 304 Stainless Steel, Add	24.71	
			For 316 Stainless Steel, Add	27.74	
			For Aluminum, Add	1.56	
			For Galvanized Steel, Add	5.38	
05 12 23 00-0702	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	18.65	5.21
			For >100 To 250, Deduct	-0.81	
			For >250 To 500, Deduct	-1.28	
			For >500 To 1,000, Deduct	-1.92	
			For >1,000, Deduct	-2.56	
			For 304 Stainless Steel, Add	33.37	
			For 316 Stainless Steel, Add	37.47	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.26	
05 12 23 00-0703	LF		3" x 3" x 1/8" Square Steel Tubing.....	21.88	6.30
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-2.27	
			For >1,000, Deduct	-3.03	
			For 304 Stainless Steel, Add	38.39	
			For 316 Stainless Steel, Add	43.10	
			For Aluminum, Add	2.42	
			For Galvanized Steel, Add	8.35	
05 12 23 00-0704	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	25.36	7.40
			For >100 To 250, Deduct	-1.13	
			For >250 To 500, Deduct	-1.76	
			For >500 To 1,000, Deduct	-2.64	
			For >1,000, Deduct	-3.52	
			For 304 Stainless Steel, Add	44.15	
			For 316 Stainless Steel, Add	49.57	
			For Aluminum, Add	2.79	
			For Galvanized Steel, Add	9.60	
05 12 23 00-0705	LF		4" x 4" x 1/8" Square Steel Tubing.....	27.96	8.50
			For >100 To 250, Deduct	-1.27	
			For >250 To 500, Deduct	-1.96	
			For >500 To 1,000, Deduct	-2.95	
			For >1,000, Deduct	-3.93	
			For 304 Stainless Steel, Add	47.40	
			For 316 Stainless Steel, Add	53.22	
			For Aluminum, Add	2.99	
			For Galvanized Steel, Add	10.31	
05 12 23 00-0706			3/16" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0707	LF		2" x 2" x 3/16" Square Steel Tubing.....	16.05	4.64
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.11	
			For >500 To 1,000, Deduct	-1.67	
			For >1,000, Deduct	-2.22	
			For 304 Stainless Steel, Add	28.13	
			For 316 Stainless Steel, Add	31.58	
			For Aluminum, Add	1.78	
			For Galvanized Steel, Add	6.12	
05 12 23 00-0708	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	20.78	6.00
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.44	
			For >500 To 1,000, Deduct	-2.16	
			For >1,000, Deduct	-2.88	
			For 304 Stainless Steel, Add	36.39	
			For 316 Stainless Steel, Add	40.86	
			For Aluminum, Add	2.30	
			For Galvanized Steel, Add	7.92	
05 12 23 00-0709	LF		3" x 3" x 3/16" Square Steel Tubing.....	25.53	7.38
			For >100 To 250, Deduct	-1.13	
			For >250 To 500, Deduct	-1.77	
			For >500 To 1,000, Deduct	-2.65	
			For >1,000, Deduct	-3.54	
			For 304 Stainless Steel, Add	44.72	
			For 316 Stainless Steel, Add	50.21	
			For Aluminum, Add	2.82	
			For Galvanized Steel, Add	9.73	
05 12 23 00-0710	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	30.29	8.75
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.10	
			For >500 To 1,000, Deduct	-3.15	
			For >1,000, Deduct	-4.20	
			For 304 Stainless Steel, Add	53.07	
			For 316 Stainless Steel, Add	59.58	
			For Aluminum, Add	3.35	
			For Galvanized Steel, Add	11.54	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0711	LF	4" x 4" x 3/16" Square Steel Tubing	.....	35.00	10.11
		For >100 To 250, Deduct	.....	-1.55	
		For >250 To 500, Deduct	.....	-2.42	
		For >500 To 1,000, Deduct	.....	-3.64	
		For >1,000, Deduct	.....	-4.85	
		For 304 Stainless Steel, Add	.....	61.33	
		For 316 Stainless Steel, Add	.....	68.86	
		For Aluminum, Add	.....	3.87	
		For Galvanized Steel, Add	.....	13.34	
05 12 23 00-0712	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	.....	39.76	11.49
		For >100 To 250, Deduct	.....	-1.76	
		For >250 To 500, Deduct	.....	-2.75	
		For >500 To 1,000, Deduct	.....	-4.13	
		For >1,000, Deduct	.....	-5.51	
		For 304 Stainless Steel, Add	.....	69.65	
		For 316 Stainless Steel, Add	.....	78.21	
		For Aluminum, Add	.....	4.40	
		For Galvanized Steel, Add	.....	15.15	
05 12 23 00-0713	LF	5" x 5" x 3/16" Square Steel Tubing	.....	44.49	12.85
		For >100 To 250, Deduct	.....	-1.97	
		For >250 To 500, Deduct	.....	-3.08	
		For >500 To 1,000, Deduct	.....	-4.62	
		For >1,000, Deduct	.....	-6.16	
		For 304 Stainless Steel, Add	.....	77.95	
		For 316 Stainless Steel, Add	.....	87.52	
		For Aluminum, Add	.....	4.92	
		For Galvanized Steel, Add	.....	16.96	
05 12 23 00-0714	LF	6" x 6" x 3/16" Square Steel Tubing	.....	54.00	15.60
		For >100 To 250, Deduct	.....	-2.39	
		For >250 To 500, Deduct	.....	-3.74	
		For >500 To 1,000, Deduct	.....	-5.61	
		For >1,000, Deduct	.....	-7.48	
		For 304 Stainless Steel, Add	.....	94.59	
		For 316 Stainless Steel, Add	.....	106.21	
		For Aluminum, Add	.....	5.97	
		For Galvanized Steel, Add	.....	20.58	
05 12 23 00-0715		1/4" Wall Thickness (05 12 23 00-0682)			
05 12 23 00-0716	LF	2" x 2" x 1/4" Square Steel Tubing	.....	17.10	4.64
		For >100 To 250, Deduct	.....	-0.74	
		For >250 To 500, Deduct	.....	-1.16	
		For >500 To 1,000, Deduct	.....	-1.75	
		For >1,000, Deduct	.....	-2.33	
		For 304 Stainless Steel, Add	.....	31.09	
		For 316 Stainless Steel, Add	.....	34.91	
		For Aluminum, Add	.....	1.96	
		For Galvanized Steel, Add	.....	6.76	
05 12 23 00-0717	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	.....	22.49	6.10
		For >100 To 250, Deduct	.....	-0.97	
		For >250 To 500, Deduct	.....	-1.53	
		For >500 To 1,000, Deduct	.....	-2.30	
		For >1,000, Deduct	.....	-3.06	
		For 304 Stainless Steel, Add	.....	40.87	
		For 316 Stainless Steel, Add	.....	45.89	
		For Aluminum, Add	.....	2.58	
		For Galvanized Steel, Add	.....	8.89	
05 12 23 00-0718	LF	3" x 3" x 1/4" Square Steel Tubing	.....	27.85	7.56
		For >100 To 250, Deduct	.....	-1.20	
		For >250 To 500, Deduct	.....	-1.90	
		For >500 To 1,000, Deduct	.....	-2.85	
		For >1,000, Deduct	.....	-3.79	
		For 304 Stainless Steel, Add	.....	50.62	
		For 316 Stainless Steel, Add	.....	56.83	
		For Aluminum, Add	.....	3.20	
		For Galvanized Steel, Add	.....	11.01	
05 12 23 00-0719	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	.....	33.22	9.02
		For >100 To 250, Deduct	.....	-1.43	
		For >250 To 500, Deduct	.....	-2.26	
		For >500 To 1,000, Deduct	.....	-3.39	
		For >1,000, Deduct	.....	-4.53	
		For 304 Stainless Steel, Add	.....	60.39	
		For 316 Stainless Steel, Add	.....	67.81	
		For Aluminum, Add	.....	3.81	
		For Galvanized Steel, Add	.....	13.14	
05 12 23 00-0720	LF	4" x 4" x 1/4" Square Steel Tubing	.....	38.61	10.49
		For >100 To 250, Deduct	.....	-1.66	
		For >250 To 500, Deduct	.....	-2.63	
		For >500 To 1,000, Deduct	.....	-3.95	
		For >1,000, Deduct	.....	-5.26	
		For 304 Stainless Steel, Add	.....	70.17	
		For 316 Stainless Steel, Add	.....	78.78	
		For Aluminum, Add	.....	4.43	
		For Galvanized Steel, Add	.....	15.26	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0721	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	43.98	11.95
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-3.00	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.99	
			For 304 Stainless Steel, Add	79.94	
			For 316 Stainless Steel, Add	89.76	
			For Aluminum, Add	5.05	
			For Galvanized Steel, Add	17.39	
05 12 23 00-0722	LF		5" x 5" x 1/4" Square Steel Tubing.....	49.38	13.41
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-3.36	
			For >500 To 1,000, Deduct	-5.05	
			For >1,000, Deduct	-6.73	
			For 304 Stainless Steel, Add	89.75	
			For 316 Stainless Steel, Add	100.77	
			For Aluminum, Add	5.67	
			For Galvanized Steel, Add	19.52	
05 12 23 00-0723	LF		6" x 6" x 1/4" Square Steel Tubing.....	60.13	16.33
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-4.10	
			For >500 To 1,000, Deduct	-6.14	
			For >1,000, Deduct	-8.19	
			For 304 Stainless Steel, Add	109.30	
			For 316 Stainless Steel, Add	122.72	
			For Aluminum, Add	6.90	
			For Galvanized Steel, Add	23.78	
05 12 23 00-0724			Rectangular Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0725			3/16" Wall Thickness (05 12 23 00-0724)		
05 12 23 00-0726	LF		3" x 2" x 3/16" Square Steel Tubing.....	20.78	6.00
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.44	
			For >500 To 1,000, Deduct	-2.16	
			For >1,000, Deduct	-2.88	
			For 304 Stainless Steel, Add	36.39	
			For 316 Stainless Steel, Add	40.86	
			For Aluminum, Add	2.30	
			For Galvanized Steel, Add	7.92	
05 12 23 00-0727	LF		4" x 2" x 3/16" Square Steel Tubing.....	25.53	7.38
			For >100 To 250, Deduct	-1.13	
			For >250 To 500, Deduct	-1.77	
			For >500 To 1,000, Deduct	-2.65	
			For >1,000, Deduct	-3.54	
			For 304 Stainless Steel, Add	44.72	
			For 316 Stainless Steel, Add	50.21	
			For Aluminum, Add	2.82	
			For Galvanized Steel, Add	9.73	
05 12 23 00-0728	LF		4" x 3" x 3/16" Square Steel Tubing.....	30.29	8.75
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.10	
			For >500 To 1,000, Deduct	-3.15	
			For >1,000, Deduct	-4.20	
			For 304 Stainless Steel, Add	53.07	
			For 316 Stainless Steel, Add	59.58	
			For Aluminum, Add	3.35	
			For Galvanized Steel, Add	11.54	
05 12 23 00-0729	LF		5" x 2" x 3/16" Square Steel Tubing.....	30.29	8.75
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.10	
			For >500 To 1,000, Deduct	-3.15	
			For >1,000, Deduct	-4.20	
			For 304 Stainless Steel, Add	53.07	
			For 316 Stainless Steel, Add	59.58	
			For Aluminum, Add	3.35	
			For Galvanized Steel, Add	11.54	
05 12 23 00-0730	LF		5" x 3" x 3/16" Square Steel Tubing.....	35.00	10.11
			For >100 To 250, Deduct	-1.55	
			For >250 To 500, Deduct	-2.42	
			For >500 To 1,000, Deduct	-3.64	
			For >1,000, Deduct	-4.85	
			For 304 Stainless Steel, Add	61.33	
			For 316 Stainless Steel, Add	68.86	
			For Aluminum, Add	3.87	
			For Galvanized Steel, Add	13.34	
05 12 23 00-0731	LF		5" x 4" x 3/16" Square Steel Tubing.....	39.76	11.49
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.75	
			For >500 To 1,000, Deduct	-4.13	
			For >1,000, Deduct	-5.51	
			For 304 Stainless Steel, Add	69.65	
			For 316 Stainless Steel, Add	78.21	
			For Aluminum, Add	4.40	
			For Galvanized Steel, Add	15.15	



	Metals	05	
	Structural Metal Framing	05 10	05
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0732	LF		6" x 2" x 3/16" Square Steel Tubing.....	35.00	10.11
			For >100 To 250, Deduct	-1.55	
			For >250 To 500, Deduct	-2.42	
			For >500 To 1,000, Deduct	-3.64	
			For >1,000, Deduct	-4.85	
			For 304 Stainless Steel, Add	61.33	
			For 316 Stainless Steel, Add	68.86	
			For Aluminum, Add	3.87	
			For Galvanized Steel, Add	13.34	
05 12 23 00-0733	LF		6" x 3" x 3/16" Square Steel Tubing.....	39.76	11.49
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.75	
			For >500 To 1,000, Deduct	-4.13	
			For >1,000, Deduct	-5.51	
			For 304 Stainless Steel, Add	69.65	
			For 316 Stainless Steel, Add	78.21	
			For Aluminum, Add	4.40	
			For Galvanized Steel, Add	15.15	
05 12 23 00-0734	LF		6" x 4" x 3/16" Square Steel Tubing.....	44.49	12.85
			For >100 To 250, Deduct	-1.97	
			For >250 To 500, Deduct	-3.08	
			For >500 To 1,000, Deduct	-4.62	
			For >1,000, Deduct	-6.16	
			For 304 Stainless Steel, Add	77.95	
			For 316 Stainless Steel, Add	87.52	
			For Aluminum, Add	4.92	
			For Galvanized Steel, Add	16.96	
05 12 23 00-0735			1/4" Wall Thickness (05 12 23 00-0724)		
05 12 23 00-0736	LF		3" x 2" x 1/4" Square Steel Tubing.....	22.49	6.10
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.53	
			For >500 To 1,000, Deduct	-2.30	
			For >1,000, Deduct	-3.06	
			For 304 Stainless Steel, Add	40.87	
			For 316 Stainless Steel, Add	45.89	
			For Aluminum, Add	2.58	
			For Galvanized Steel, Add	8.89	
05 12 23 00-0737	LF		4" x 2" x 1/4" Square Steel Tubing.....	27.85	7.56
			For >100 To 250, Deduct	-1.20	
			For >250 To 500, Deduct	-1.90	
			For >500 To 1,000, Deduct	-2.85	
			For >1,000, Deduct	-3.79	
			For 304 Stainless Steel, Add	50.62	
			For 316 Stainless Steel, Add	56.83	
			For Aluminum, Add	3.20	
			For Galvanized Steel, Add	11.01	
05 12 23 00-0738	LF		4" x 3" x 1/4" Square Steel Tubing.....	33.22	9.02
			For >100 To 250, Deduct	-1.43	
			For >250 To 500, Deduct	-2.26	
			For >500 To 1,000, Deduct	-3.39	
			For >1,000, Deduct	-4.53	
			For 304 Stainless Steel, Add	60.39	
			For 316 Stainless Steel, Add	67.81	
			For Aluminum, Add	3.81	
			For Galvanized Steel, Add	13.14	
05 12 23 00-0739	LF		5" x 2" x 1/4" Square Steel Tubing.....	33.22	9.02
			For >100 To 250, Deduct	-1.43	
			For >250 To 500, Deduct	-2.26	
			For >500 To 1,000, Deduct	-3.39	
			For >1,000, Deduct	-4.53	
			For 304 Stainless Steel, Add	60.39	
			For 316 Stainless Steel, Add	67.81	
			For Aluminum, Add	3.81	
			For Galvanized Steel, Add	13.14	
05 12 23 00-0740	LF		5" x 3" x 1/4" Square Steel Tubing.....	38.61	10.49
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.63	
			For >500 To 1,000, Deduct	-3.95	
			For >1,000, Deduct	-5.26	
			For 304 Stainless Steel, Add	70.17	
			For 316 Stainless Steel, Add	78.78	
			For Aluminum, Add	4.43	
			For Galvanized Steel, Add	15.26	
05 12 23 00-0741	LF		5" x 4" x 1/4" Square Steel Tubing.....	43.98	11.95
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-3.00	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.99	
			For 304 Stainless Steel, Add	79.94	
			For 316 Stainless Steel, Add	89.76	
			For Aluminum, Add	5.05	
			For Galvanized Steel, Add	17.39	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0742	LF		6" x 2" x 1/4" Square Steel Tubing.....	38.61	10.49
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.63	
			For >500 To 1,000, Deduct	-3.95	
			For >1,000, Deduct	-5.26	
			For 304 Stainless Steel, Add	70.17	
			For 316 Stainless Steel, Add	78.78	
			For Aluminum, Add	4.43	
			For Galvanized Steel, Add	15.26	
05 12 23 00-0743	LF		6" x 3" x 1/4" Square Steel Tubing.....	43.98	11.95
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-3.00	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.99	
			For 304 Stainless Steel, Add	79.94	
			For 316 Stainless Steel, Add	89.76	
			For Aluminum, Add	5.05	
			For Galvanized Steel, Add	17.39	
05 12 23 00-0744	LF		6" x 4" x 1/4" Square Steel Tubing.....	49.38	13.41
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-3.36	
			For >500 To 1,000, Deduct	-5.05	
			For >1,000, Deduct	-6.73	
			For 304 Stainless Steel, Add	89.75	
			For 316 Stainless Steel, Add	100.77	
			For Aluminum, Add	5.67	
			For Galvanized Steel, Add	19.52	
05 12 23 00-0745			Round Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0746			0.065" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0747	LF		1" Diameter x 0.065" Round Steel Tubing	4.56	1.12
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.30	
			For >500 To 1,000, Deduct	-0.45	
			For >1,000, Deduct	-0.61	
			For 304 Stainless Steel, Add	8.75	
			For 316 Stainless Steel, Add	9.82	
			For Aluminum, Add	0.55	
			For Galvanized Steel, Add	1.90	
05 12 23 00-0748	LF		1-1/4" Diameter x 0.065" Round Steel Tubing	5.77	1.41
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.38	
			For >500 To 1,000, Deduct	-0.57	
			For >1,000, Deduct	-0.77	
			For 304 Stainless Steel, Add	11.09	
			For 316 Stainless Steel, Add	12.45	
			For Aluminum, Add	0.70	
			For Galvanized Steel, Add	2.41	
05 12 23 00-0749	LF		1-1/2" Diameter x 0.065" Round Steel Tubing	6.99	1.71
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.46	
			For >500 To 1,000, Deduct	-0.70	
			For >1,000, Deduct	-0.93	
			For 304 Stainless Steel, Add	13.40	
			For 316 Stainless Steel, Add	15.04	
			For Aluminum, Add	0.85	
			For Galvanized Steel, Add	2.91	
05 12 23 00-0750	LF		2" Diameter x 0.065" Round Steel Tubing	9.41	2.31
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.62	
			For >500 To 1,000, Deduct	-0.94	
			For >1,000, Deduct	-1.25	
			For 304 Stainless Steel, Add	18.07	
			For 316 Stainless Steel, Add	20.29	
			For Aluminum, Add	1.14	
			For Galvanized Steel, Add	3.93	
05 12 23 00-0751	LF		2-1/2" Diameter x 0.065" Round Steel Tubing	11.85	2.90
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.79	
			For >500 To 1,000, Deduct	-1.18	
			For >1,000, Deduct	-1.57	
			For 304 Stainless Steel, Add	22.74	
			For 316 Stainless Steel, Add	25.54	
			For Aluminum, Add	1.44	
			For Galvanized Steel, Add	4.95	
05 12 23 00-0752	LF		3" Diameter x 0.065" Round Steel Tubing	14.28	3.50
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.95	
			For >500 To 1,000, Deduct	-1.42	
			For >1,000, Deduct	-1.89	
			For 304 Stainless Steel, Add	27.42	
			For 316 Stainless Steel, Add	30.78	
			For Aluminum, Add	1.73	
			For Galvanized Steel, Add	5.96	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0753	LF		3-1/2" Diameter x 0.065" Round Steel Tubing	16.72	4.10
			For >100 To 250, Deduct	-0.69	
			For >250 To 500, Deduct	-1.11	
			For >500 To 1,000, Deduct	-1.66	
			For >1,000, Deduct	-2.22	
			For 304 Stainless Steel, Add	32.09	
			For 316 Stainless Steel, Add	36.03	
			For Aluminum, Add	2.03	
			For Galvanized Steel, Add	6.98	
05 12 23 00-0754	LF		4" Diameter x 0.065" Round Steel Tubing	19.15	4.69
			For >100 To 250, Deduct	-0.79	
			For >250 To 500, Deduct	-1.27	
			For >500 To 1,000, Deduct	-1.91	
			For >1,000, Deduct	-2.54	
			For 304 Stainless Steel, Add	36.77	
			For 316 Stainless Steel, Add	41.28	
			For Aluminum, Add	2.32	
			For Galvanized Steel, Add	8.00	
05 12 23 00-0755 0.083" Wall Thickness (05 12 23 00-0745)					
05 12 23 00-0756	LF		1" Diameter x 0.083" Round Steel Tubing	4.95	1.22
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.33	
			For >500 To 1,000, Deduct	-0.49	
			For >1,000, Deduct	-0.66	
			For 304 Stainless Steel, Add	9.46	
			For 316 Stainless Steel, Add	10.62	
			For Aluminum, Add	0.60	
			For Galvanized Steel, Add	2.06	
05 12 23 00-0757	LF		1-1/4" Diameter x 0.083" Round Steel Tubing	6.29	1.55
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.42	
			For >500 To 1,000, Deduct	-0.63	
			For >1,000, Deduct	-0.84	
			For 304 Stainless Steel, Add	12.03	
			For 316 Stainless Steel, Add	13.50	
			For Aluminum, Add	0.76	
			For Galvanized Steel, Add	2.62	
05 12 23 00-0758	LF		1-1/2" Diameter x 0.083" Round Steel Tubing	7.64	1.88
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.51	
			For >500 To 1,000, Deduct	-0.76	
			For >1,000, Deduct	-1.02	
			For 304 Stainless Steel, Add	14.59	
			For 316 Stainless Steel, Add	16.38	
			For Aluminum, Add	0.92	
			For Galvanized Steel, Add	3.17	
05 12 23 00-0759	LF		2" Diameter x 0.083" Round Steel Tubing	10.33	2.56
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.69	
			For >500 To 1,000, Deduct	-1.03	
			For >1,000, Deduct	-1.37	
			For 304 Stainless Steel, Add	19.75	
			For 316 Stainless Steel, Add	22.18	
			For Aluminum, Add	1.25	
			For Galvanized Steel, Add	4.30	
05 12 23 00-0760	LF		2-1/2" Diameter x 0.083" Round Steel Tubing	13.04	3.22
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.87	
			For >500 To 1,000, Deduct	-1.30	
			For >1,000, Deduct	-1.73	
			For 304 Stainless Steel, Add	24.91	
			For 316 Stainless Steel, Add	27.97	
			For Aluminum, Add	1.57	
			For Galvanized Steel, Add	5.42	
05 12 23 00-0761	LF		3" Diameter x 0.083" Round Steel Tubing	15.74	3.89
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.05	
			For >500 To 1,000, Deduct	-1.57	
			For >1,000, Deduct	-2.09	
			For 304 Stainless Steel, Add	30.07	
			For 316 Stainless Steel, Add	33.76	
			For Aluminum, Add	1.90	
			For Galvanized Steel, Add	6.54	
05 12 23 00-0762	LF		3-1/2" Diameter x 0.083" Round Steel Tubing	18.43	4.55
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.23	
			For >500 To 1,000, Deduct	-1.84	
			For >1,000, Deduct	-2.45	
			For 304 Stainless Steel, Add	35.23	
			For 316 Stainless Steel, Add	39.55	
			For Aluminum, Add	2.22	
			For Galvanized Steel, Add	7.66	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0763	LF		4" Diameter x 0.083" Round Steel Tubing	21.12	5.22
			For >100 To 250, Deduct	-0.88	
			For >250 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-2.11	
			For >1,000, Deduct	-2.81	
			For 304 Stainless Steel, Add	40.36	
			For 316 Stainless Steel, Add	45.31	
			For Aluminum, Add	2.55	
			For Galvanized Steel, Add	8.78	
05 12 23 00-0764			0.125" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0765	LF		2" Diameter x 0.125" Round Steel Tubing	11.10	3.22
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.77	
			For >500 To 1,000, Deduct	-1.16	
			For >1,000, Deduct	-1.54	
			For 304 Stainless Steel, Add	19.38	
			For 316 Stainless Steel, Add	21.76	
			For Aluminum, Add	1.22	
			For Galvanized Steel, Add	4.22	
05 12 23 00-0766	LF		2-1/2" Diameter x 0.125" Round Steel Tubing	14.07	4.09
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-0.98	
			For >500 To 1,000, Deduct	-1.46	
			For >1,000, Deduct	-1.95	
			For 304 Stainless Steel, Add	24.57	
			For 316 Stainless Steel, Add	27.58	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.34	
05 12 23 00-0767	LF		3" Diameter x 0.125" Round Steel Tubing	17.03	4.94
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.18	
			For >500 To 1,000, Deduct	-1.77	
			For >1,000, Deduct	-2.36	
			For 304 Stainless Steel, Add	29.73	
			For 316 Stainless Steel, Add	33.38	
			For Aluminum, Add	1.88	
			For Galvanized Steel, Add	6.47	
05 12 23 00-0768	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	19.99	5.81
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.39	
			For >500 To 1,000, Deduct	-2.08	
			For >1,000, Deduct	-2.77	
			For 304 Stainless Steel, Add	34.91	
			For 316 Stainless Steel, Add	39.20	
			For Aluminum, Add	2.21	
			For Galvanized Steel, Add	7.60	
05 12 23 00-0769	LF		4" Diameter x 0.125" Round Steel Tubing	22.95	6.67
			For >100 To 250, Deduct	-1.02	
			For >250 To 500, Deduct	-1.59	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.18	
			For 304 Stainless Steel, Add	40.07	
			For 316 Stainless Steel, Add	44.99	
			For Aluminum, Add	2.53	
			For Galvanized Steel, Add	8.72	
05 12 23 00-0770			Flat Steel Bar (05 12 23 00-0422)		
05 12 23 00-0771			1/8" Thick (05 12 23 00-0770)		
05 12 23 00-0772	LF		1/8" Thick x 1" Wide Flat Steel Bar	3.43	1.60
			For 304 Stainless Steel, Add	2.91	
			For 316 Stainless Steel, Add	3.26	
			For Aluminum, Add	0.18	
			For Galvanized Steel, Add	0.63	
05 12 23 00-0773	LF		1/8" Thick x 2" Wide Flat Steel Bar	5.31	2.41
			For 304 Stainless Steel, Add	4.85	
			For 316 Stainless Steel, Add	5.44	
			For Aluminum, Add	0.31	
			For Galvanized Steel, Add	1.05	
05 12 23 00-0774	LF		1/8" Thick x 4" Wide Flat Steel Bar	8.18	3.39
			For 304 Stainless Steel, Add	8.81	
			For 316 Stainless Steel, Add	9.89	
			For Aluminum, Add	0.56	
			For Galvanized Steel, Add	1.92	
05 12 23 00-0775	LF		1/8" Thick x 6" Wide Flat Steel Bar	11.08	4.60
			For 304 Stainless Steel, Add	11.88	
			For 316 Stainless Steel, Add	13.34	
			For Aluminum, Add	0.75	
			For Galvanized Steel, Add	2.59	
05 12 23 00-0776			3/16" Thick (05 12 23 00-0770)		



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0777 LF 3/16" Thick x 1" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	4.54 4.42 4.96 0.28 0.96	1.99
05 12 23 00-0778 LF 3/16" Thick x 2" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	7.17 7.64 8.58 0.48 1.66	2.99
05 12 23 00-0779 LF 3/16" Thick x 4" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	9.68 12.88 14.46 0.81 2.80	3.43
05 12 23 00-0780 LF 3/16" Thick x 6" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	13.40 17.81 20.00 1.13 3.88	4.76
05 12 23 00-0781 1/4" Thick (05 12 23 00-0770)		
05 12 23 00-0782 LF 1/4" Thick x 1" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	4.69 4.36 4.90 0.28 0.95	2.10
05 12 23 00-0783 LF 1/4" Thick x 2" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	7.84 8.84 9.92 0.56 1.92	3.16
05 12 23 00-0784 LF 1/4" Thick x 4" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	11.43 17.13 19.23 1.08 3.73	3.61
05 12 23 00-0785 LF 1/4" Thick x 6" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	16.53 24.25 27.23 1.53 5.28	5.34
05 12 23 00-0786 3/8" Thick (05 12 23 00-0770)		
05 12 23 00-0787 LF 3/8" Thick x 1" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	5.97 6.87 7.71 0.43 1.49	2.37
05 12 23 00-0788 LF 3/8" Thick x 2" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	9.78 12.65 14.21 0.80 2.75	3.55
05 12 23 00-0789 LF 3/8" Thick x 4" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	14.98 25.34 28.45 1.60 5.51	4.06
05 12 23 00-0790 LF 3/8" Thick x 6" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	21.52 35.63 40.00 2.25 7.75	6.00
05 12 23 00-0791 1/2" Thick (05 12 23 00-0770)		
05 12 23 00-0792 LF 1/2" Thick x 1" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	7.01 8.81 9.89 0.56 1.92	2.60
05 12 23 00-0793 LF 1/2" Thick x 2" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	11.54 16.16 18.14 1.02 3.52	3.92
05 12 23 00-0794 LF 1/2" Thick x 4" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	16.36 27.53 30.91 1.74 5.99	4.45

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0795 LF 1/2" Thick x 6" Wide Flat Steel Bar For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	29.19 54.92 61.66 3.47 11.95	6.61
05 12 23 00-0796 Flat Steel Plate (05 12 23 00-0422)		
05 12 23 00-0797 SF 1/8" Thick Flat Steel Plate For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	17.63 20.72 23.26 1.31 4.51	6.91
05 12 23 00-0798 SF 3/16" Thick Flat Steel Plate For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	19.84 25.94 29.12 1.64 5.64	7.15
05 12 23 00-0799 SF 1/4" Thick Flat Steel Plate For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	23.62 33.06 37.12 2.09 7.19	8.01
05 12 23 00-0800 SF 3/8" Thick Flat Steel Plate For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	31.74 51.90 58.27 3.28 11.29	9.01
05 12 23 00-0801 SF 1/2" Thick Flat Steel Plate For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	37.55 64.64 72.58 4.08 14.06	9.91
05 12 23 00-0802 SF 3/4" Thick Flat Steel Plate For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	61.14 121.24 136.13 7.66 26.37	12.28
05 12 23 00-0803 SF 1" Thick Flat Steel Plate For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	81.48 165.98 186.37 10.48 36.11	15.35
05 12 33 Structural Steel for Bridges (05 12) See CSI section 05 12 23 00-0000 for structural steel, 34 05 43 00-0408 for bridge girder repair.		
05 14 Structural Aluminum Framing (05 10)		
05 14 13 Architecturally-Exposed Structural Aluminum Framing (05 14)		
05 14 13 00-0001 Rolled Or Plate Shapes (05 14 13) Note: 1" through 10" member.		
05 14 13 00-0002 LB Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members.....	9.46	0.92
05 14 13 00-0003 LB Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	8.34	0.86
05 14 13 00-0004 Aluminum Extrusions (05 14 13)		
05 14 13 00-0005 LB Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members.....	15.47	3.82
05 14 13 00-0006 LB Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	16.38	3.82
05 14 13 00-0007 Aluminum Tubing (05 14 13)		
05 14 13 00-0008 LB Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members.....	13.85	3.89
05 14 13 00-0009 LF 1" x 1" Aluminum Tubing, 1/8" Wall Thickness	12.47	6.30
05 14 13 00-0010 LF 1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	15.06	6.87
05 14 13 00-0011 LF 1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	17.30	8.02
05 14 13 00-0012 LF 2" x 2" Aluminum Tubing, 1/8" Wall Thickness	20.56	8.59
05 14 13 00-0013 LF 4" x 4" Aluminum Tubing, 1/4" Wall Thickness	59.86	10.88
05 14 13 00-0014 LF 2" x 5" Aluminum Tubing, 1/4" Wall Thickness	49.04	9.74
05 14 13 00-0015 Columns (05 14 13) Note: Baked on paint finish, load bearing.		
05 14 13 00-0016 Round Columns (05 14 13 00-0015)		
05 14 13 00-0017 LF 6" Diameter Aluminum Column.....	55.09	7.44
05 14 13 00-0018 LF 8" Diameter Aluminum Column.....	73.25	10.66
05 14 13 00-0019 LF 10" Diameter Aluminum Column.....	89.50	11.99
05 14 13 00-0020 LF 12" Diameter Aluminum Column.....	135.00	12.55
05 14 13 00-0021 LF 15" Diameter Aluminum Column.....	172.47	14.55
05 14 13 00-0022 EA 6" Diameter Aluminum Base And Cap.....	107.15	13.88
05 14 13 00-0023 EA 8" Diameter Aluminum Base And Cap.....	122.76	14.99



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Aluminum Framing	05 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap	155.28	16.65
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap	269.88	17.77
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap	414.31	19.43
05 14 13 00-0027 Octagonal Columns (05 14 13 00-0015)				
05 14 13 00-0028	LF	6" Diameter Aluminum Column	61.52	7.44
05 14 13 00-0029	LF	8" Diameter Aluminum Column	83.63	10.66
05 14 13 00-0030	LF	10" Diameter Aluminum Column	102.61	11.99
05 14 13 00-0031	LF	12" Diameter Aluminum Column	157.00	12.55
05 14 13 00-0032	LF	15" Diameter Aluminum Column	201.17	14.55
05 14 13 00-0033	EA	6" Diameter Aluminum Base And Cap	123.03	13.88
05 14 13 00-0034	EA	8" Diameter Aluminum Base And Cap	141.32	14.99
05 14 13 00-0035	EA	10" Diameter Aluminum Base And Cap	179.67	16.65
05 14 13 00-0036	EA	12" Diameter Aluminum Base And Cap	316.75	17.77
05 14 13 00-0037	EA	15" Diameter Aluminum Base And Cap	489.40	19.43
05 14 13 00-0038 Fluted Columns (05 14 13 00-0015)				
05 14 13 00-0039	LF	6" Diameter Aluminum Column	68.54	7.44
05 14 13 00-0040	LF	8" Diameter Aluminum Column	92.97	10.66
05 14 13 00-0041	LF	10" Diameter Aluminum Column	114.40	11.99
05 14 13 00-0042	LF	12" Diameter Aluminum Column	176.80	12.55
05 14 13 00-0043	LF	15" Diameter Aluminum Column	226.99	14.55
05 14 13 00-0044	EA	6" Diameter Aluminum Base And Cap	137.32	13.88
05 14 13 00-0045	EA	8" Diameter Aluminum Base And Cap	158.02	14.99
05 14 13 00-0046	EA	10" Diameter Aluminum Base And Cap	201.62	16.65
05 14 13 00-0047	EA	12" Diameter Aluminum Base And Cap	358.93	17.77
05 14 13 00-0048	EA	15" Diameter Aluminum Base And Cap	556.98	19.43
05 14 13 00-0049 Square Columns (05 14 13 00-0015)				
05 14 13 00-0050	LF	6" Aluminum Column	73.34	7.44
05 14 13 00-0051	LF	8" Aluminum Column	99.36	10.66
05 14 13 00-0052	LF	10" Aluminum Column	122.47	11.99
05 14 13 00-0053	LF	12" Aluminum Column	190.34	12.55
05 14 13 00-0054	LF	15" Aluminum Column	244.65	14.55
05 14 13 00-0055	EA	6" Aluminum Base And Cap	147.09	13.88
05 14 13 00-0056	EA	8" Aluminum Base And Cap	169.44	14.99
05 14 13 00-0057	EA	10" Aluminum Base And Cap	216.63	16.65
05 14 13 00-0058	EA	12" Aluminum Base And Cap	387.78	17.77
05 14 13 00-0059	EA	15" Aluminum Base And Cap	603.19	19.43
05 14 13 00-0060 Ornamental Or Decorative Cap And Bases (05 14 13 00-0015)				
05 14 13 00-0061	EA	8" Corinthian Capital And Base	841.59	16.65
05 14 13 00-0062	EA	10" Corinthian Capital And Base	1,239.19	19.43
05 14 13 00-0063	EA	12" Corinthian Capital And Base	1,961.47	22.21
05 14 13 00-0064	EA	8" Scamozzi Capital And Base	416.73	16.65
05 14 13 00-0065	EA	10" Scamozzi Capital And Base	558.72	19.43
05 14 13 00-0066	EA	12" Scamozzi Capital And Base	1,126.26	22.21
05 15 Wire Rope Assemblies (05 10)				
05 15 16 Steel Wire Rope Assemblies (05 15)				
05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)				
05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.62	0.11
		For >500, Deduct	-0.29	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.19	0.11
		For >500, Deduct	-0.38	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.59	0.23
		For >500, Deduct	-0.43	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.14	0.23
		For >500, Deduct	-0.51	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.63	0.34
		For >500, Deduct	-0.57	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.45	0.45
		For >500, Deduct	-0.69	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.31	0.45
		For >500, Deduct	-0.81	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.37	0.81
		<i>For >500, Deduct</i>	-1.11	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.91	0.92
		<i>For >500, Deduct</i>	-1.49	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.34	1.26
		<i>For >500, Deduct</i>	-1.82	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	15.26	1.60
		<i>For >500, Deduct</i>	-2.25	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	18.60	1.94
		<i>For >500, Deduct</i>	-2.74	
05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)				
05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.91	0.11
		<i>For >500, Deduct</i>	-0.34	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.47	0.11
		<i>For >500, Deduct</i>	-0.43	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.07	0.23
		<i>For >500, Deduct</i>	-0.53	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.50	0.23
		<i>For >500, Deduct</i>	-0.58	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.16	0.34
		<i>For >500, Deduct</i>	-0.67	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.79	0.45
		<i>For >500, Deduct</i>	-0.76	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.59	0.45
		<i>For >500, Deduct</i>	-0.87	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.22	0.81
		<i>For >500, Deduct</i>	-1.28	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.53	0.92
		<i>For >500, Deduct</i>	-1.62	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.96	1.26
		<i>For >500, Deduct</i>	-1.96	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	16.60	1.60
		<i>For >500, Deduct</i>	-2.50	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	20.19	1.94
		<i>For >500, Deduct</i>	-3.06	
05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope (05 15 16)				
05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.51	0.11
		<i>For >500, Deduct</i>	-0.26	
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.06	0.11
		<i>For >500, Deduct</i>	-0.35	
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.44	0.23
		<i>For >500, Deduct</i>	-0.40	
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.87	0.23
		<i>For >500, Deduct</i>	-0.45	
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.46	0.34
		<i>For >500, Deduct</i>	-0.53	
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.38	0.45
		<i>For >500, Deduct</i>	-0.67	
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	5.10	0.45
		<i>For >500, Deduct</i>	-0.77	
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	7.18	0.81
		<i>For >500, Deduct</i>	-1.07	
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	8.79	0.92
		<i>For >500, Deduct</i>	-1.27	
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	11.17	1.26
		<i>For >500, Deduct</i>	-1.59	
05 15 16 00-0038 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)				



	Metals	05	05
	Structural Metal Framing	05 10	
	Wire Rope Assemblies	05 15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	1.49 -0.26	0.11
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	1.98 -0.33	0.11
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	2.44 -0.40	0.23
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	2.87 -0.45	0.23
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	3.61 -0.56	0.34
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	4.30 -0.66	0.45
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	5.39 -0.83	0.45
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	7.52 -1.14	0.81
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	9.83 -1.48	0.92
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	12.13 -1.79	1.26
05 15 16 00-0049		6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)		
05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	2.77 -0.47	0.23
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	3.25 -0.53	0.23
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	3.80 -0.60	0.34
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	5.11 -0.82	0.45
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	5.63 -0.88	0.45
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	7.69 -1.18	0.81
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	9.87 -1.48	0.92
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	13.00 -1.95	1.26
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	15.75 -2.34	1.60
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	19.01 -2.82	1.94
05 15 16 00-0060		6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)		
05 15 16 00-0061	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	2.84 -0.48	0.23
05 15 16 00-0062	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	3.44 -0.57	0.23
05 15 16 00-0063	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	4.07 -0.66	0.34
05 15 16 00-0064	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	5.68 -0.93	0.45
05 15 16 00-0065	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	5.73 -0.90	0.45
05 15 16 00-0066	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	7.88 -1.21	0.81
05 15 16 00-0067	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	10.44 -1.60	0.92
05 15 16 00-0068	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	13.19 -1.99	1.26

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 15 16 00-0069	19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope (05 15 16)		
05 15 16 00-0070	LF 1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.93	0.11
	For >500, Deduct	-0.54	
05 15 16 00-0071	LF 5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.16	0.11
	For >500, Deduct	-0.57	
05 15 16 00-0072	LF 3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.73	0.23
	For >500, Deduct	-0.66	
05 15 16 00-0073	LF 7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.01	0.23
	For >500, Deduct	-0.88	
05 15 16 00-0074	LF 1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.71	0.23
	For >500, Deduct	-1.02	
05 15 16 00-0075	LF 9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	6.59	0.45
	For >500, Deduct	-1.12	
05 15 16 00-0076	LF 5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	7.83	0.45
	For >500, Deduct	-1.32	
05 15 16 00-0077	LF 3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	10.79	0.68
	For >500, Deduct	-1.81	
05 15 16 00-0078	7x7, Galvanized Finish, Aircraft Cable (05 15 16)		
05 15 16 00-0079	LF 1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.33	0.08
	For >500, Deduct	-0.04	
05 15 16 00-0080	LF 3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.38	0.09
	For >500, Deduct	-0.05	
05 15 16 00-0081	LF 1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.43	0.10
	For >500, Deduct	-0.05	
05 15 16 00-0082	LF 5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.50	0.11
	For >500, Deduct	-0.06	
05 15 16 00-0083	LF 3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.60	0.11
	For >500, Deduct	-0.08	
05 15 16 00-0084	7x19, Galvanized Finish, Aircraft Cable (05 15 16)		
05 15 16 00-0085	LF 1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.60	0.10
	For >500, Deduct	-0.09	
05 15 16 00-0086	LF 5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.65	0.11
	For >500, Deduct	-0.09	
05 15 16 00-0087	LF 3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.73	0.11
	For >500, Deduct	-0.10	
05 15 16 00-0088	LF 1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.87	0.11
	For >500, Deduct	-0.14	
05 15 16 00-0089	LF 5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.32	0.11
	For >500, Deduct	-0.20	
05 15 16 00-0090	LF 3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.76	0.11
	For >500, Deduct	-0.26	
05 15 16 00-0091	Heavy-Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)		
05 15 16 00-0092	EA 1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	14.76	3.43
05 15 16 00-0093	EA 5/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	16.81	3.43
05 15 16 00-0094	EA 3/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	19.08	3.43
05 15 16 00-0095	EA 7/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.31	3.43
05 15 16 00-0096	EA 1/2" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.35	3.43
05 15 16 00-0097	EA 9/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.35	3.43
05 15 16 00-0098	EA 5/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	27.46	3.43
05 15 16 00-0099	EA 3/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	50.32	5.27
05 15 16 00-0100	EA 7/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	59.34	6.42
05 15 16 00-0101	EA 1" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	105.76	10.53
05 15 16 00-0102	EA 1-1/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	151.95	14.32
05 15 16 00-0103	EA 1-1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	151.95	14.32
05 15 16 00-0104	Galvanized Steel, Wire Rope Clips (05 15 16)		
05 15 16 00-0105	EA 1/8" Diameter, Galvanized Steel, Wire Rope Clip	17.84	3.43
05 15 16 00-0106	EA 3/16" Diameter, Galvanized Steel, Wire Rope Clip	18.23	3.43
05 15 16 00-0107	EA 1/4" Diameter, Galvanized Steel, Wire Rope Clip	20.94	3.43
05 15 16 00-0108	EA 5/16" Diameter, Galvanized Steel, Wire Rope Clip	21.36	3.43
05 15 16 00-0109	EA 3/8" Diameter, Galvanized Steel, Wire Rope Clip	21.97	3.43
05 15 16 00-0110	EA 7/16" Diameter, Galvanized Steel, Wire Rope Clip	27.78	3.43
05 15 16 00-0111	EA 1/2" Diameter, Galvanized Steel, Wire Rope Clip	28.22	3.43
05 15 16 00-0112	EA 9/16" Diameter, Galvanized Steel, Wire Rope Clip	32.41	3.43
05 15 16 00-0113	EA 5/8" Diameter, Galvanized Steel, Wire Rope Clip	33.01	3.43



		Metals	05	05
		Structural Metal Framing	05 10	
		Wire Rope Assemblies	05 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0114 EA 3/4" Diameter, Galvanized Steel, Wire Rope Clip	45.15	4.58
05 15 16 00-0115 EA 7/8" Diameter, Galvanized Steel, Wire Rope Clip	67.43	6.87
05 15 16 00-0116 EA 1" Diameter, Galvanized Steel, Wire Rope Clip	74.27	6.87
05 15 16 00-0117 EA 1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	87.11	9.16
05 15 16 00-0118 EA 1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	126.49	13.75
05 15 16 00-0119 Steel, Open Swage Sockets (05 15 16)		
05 15 16 00-0120 EA 1/4" Diameter, Steel, Open Swage Socket	101.65	3.43
05 15 16 00-0121 EA 5/16" Diameter, Steel, Open Swage Socket	162.54	3.43
05 15 16 00-0122 EA 3/8" Diameter, Steel, Open Swage Socket	167.07	4.58
05 15 16 00-0123 EA 7/16" Diameter, Steel, Open Swage Socket	198.40	5.73
05 15 16 00-0124 EA 1/2" Diameter, Steel, Open Swage Socket	198.40	5.73
05 15 16 00-0125 EA 9/16" Diameter, Steel, Open Swage Socket	288.93	12.60
05 15 16 00-0126 EA 5/8" Diameter, Steel, Open Swage Socket	288.93	12.60
05 15 16 00-0127 EA 3/4" Diameter, Steel, Open Swage Socket	366.86	24.05
05 15 16 00-0128 EA 7/8" Diameter, Steel, Open Swage Socket	493.30	34.36
05 15 16 00-0129 EA 1" Diameter, Steel, Open Swage Socket	692.94	52.69
05 15 16 00-0130 EA 1-1/8" Diameter, Steel, Open Swage Socket	905.65	82.47
05 15 16 00-0131 EA 1-1/4" Diameter, Steel, Open Swage Socket	1,054.38	95.07
05 15 16 00-0132 Steel, Closed Swage Sockets (05 15 16)		
05 15 16 00-0133 EA 1/4" Diameter, Steel, Closed Swage Socket	81.58	3.43
05 15 16 00-0134 EA 5/16" Diameter, Steel, Closed Swage Socket	110.77	3.43
05 15 16 00-0135 EA 3/8" Diameter, Steel, Closed Swage Socket	110.77	3.43
05 15 16 00-0136 EA 7/16" Diameter, Steel, Closed Swage Socket	137.93	4.58
05 15 16 00-0137 EA 1/2" Diameter, Steel, Closed Swage Socket	139.18	4.58
05 15 16 00-0138 EA 9/16" Diameter, Steel, Closed Swage Socket	190.27	8.02
05 15 16 00-0139 EA 5/8" Diameter, Steel, Closed Swage Socket	195.72	9.16
05 15 16 00-0140 EA 3/4" Diameter, Steel, Closed Swage Socket	241.24	14.89
05 15 16 00-0141 EA 7/8" Diameter, Steel, Closed Swage Socket	310.96	21.76
05 15 16 00-0142 EA 1" Diameter, Steel, Closed Swage Socket	444.83	29.78
05 15 16 00-0143 EA 1-1/8" Diameter, Steel, Closed Swage Socket	550.17	41.23
05 15 16 00-0144 EA 1-1/4" Diameter, Steel, Closed Swage Socket	743.15	64.14
05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets (05 15 16)		
05 15 16 00-0146 EA 1/4" Galvanized Steel, Open Spelter Socket	170.84	3.43
05 15 16 00-0147 EA 5/16" Galvanized Steel, Open Spelter Socket	174.98	3.43
05 15 16 00-0148 EA 3/8" Galvanized Steel, Open Spelter Socket	174.98	3.43
05 15 16 00-0149 EA 7/16" Galvanized Steel, Open Spelter Socket	194.67	6.87
05 15 16 00-0150 EA 1/2" Galvanized Steel, Open Spelter Socket	194.67	6.87
05 15 16 00-0151 EA 9/16" Galvanized Steel, Open Spelter Socket	254.39	11.45
05 15 16 00-0152 EA 5/8" Galvanized Steel, Open Spelter Socket	254.39	11.45
05 15 16 00-0153 EA 3/4" Galvanized Steel, Open Spelter Socket	321.18	17.18
05 15 16 00-0154 EA 7/8" Galvanized Steel, Open Spelter Socket	479.61	28.63
05 15 16 00-0155 EA 1" Galvanized Steel, Open Spelter Socket	874.97	44.67
05 15 16 00-0156 EA 1-1/8" Galvanized Steel, Open Spelter Socket	1,021.76	72.16
05 15 16 00-0157 EA 1-1/4" Galvanized Steel, Open Spelter Socket	1,381.53	95.07
05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets (05 15 16)		
05 15 16 00-0159 EA 1/4" Galvanized Steel, Closed Spelter Socket	143.08	3.43
05 15 16 00-0160 EA 5/16" Galvanized Steel, Closed Spelter Socket	143.63	3.43
05 15 16 00-0161 EA 3/8" Galvanized Steel, Closed Spelter Socket	143.63	3.43
05 15 16 00-0162 EA 7/16" Galvanized Steel, Closed Spelter Socket	160.32	5.73
05 15 16 00-0163 EA 1/2" Galvanized Steel, Closed Spelter Socket	160.32	5.73
05 15 16 00-0164 EA 9/16" Galvanized Steel, Closed Spelter Socket	223.47	10.31
05 15 16 00-0165 EA 5/8" Galvanized Steel, Closed Spelter Socket	223.47	10.31
05 15 16 00-0166 EA 3/4" Galvanized Steel, Closed Spelter Socket	273.05	14.89
05 15 16 00-0167 EA 7/8" Galvanized Steel, Closed Spelter Socket	398.36	22.91
05 15 16 00-0168 EA 1" Galvanized Steel, Closed Spelter Socket	601.18	35.51
05 15 16 00-0169 EA 1-1/8" Galvanized Steel, Closed Spelter Socket	786.69	48.11
05 15 16 00-0170 EA 1-1/4" Galvanized Steel, Closed Spelter Socket	989.95	64.14
05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)		
05 15 16 00-0172 EA 1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	98.08	3.43
For "Eye And Eye" Or "Hook And Hook" Turnbuckle, Deduct	-12.99	
05 15 16 00-0173 EA 5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	105.28	3.43
For "Eye And Eye" Or "Hook And Hook" Turnbuckle, Deduct	-14.07	
05 15 16 00-0174 EA 3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	118.63	3.43
For "Eye And Eye" Or "Hook And Hook" Turnbuckle, Deduct	-16.08	
05 15 16 00-0175 EA 1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	130.75	4.58
For "Eye And Eye" Or "Hook And Hook" Turnbuckle, Deduct	-16.73	
05 15 16 00-0176 EA 1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	172.24	5.73
For "Eye And Eye" Or "Hook And Hook" Turnbuckle, Deduct	-22.26	
05 15 16 00-0177 EA 1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	195.63	6.87
For "Eye And Eye" Or "Hook And Hook" Turnbuckle, Deduct	-25.20	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0178 EA 5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	198.30 -24.46	9.16
05 15 16 00-0179 EA 5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	245.98 -31.17	9.16
05 15 16 00-0180 EA 5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	279.59 -35.80	10.31
05 15 16 00-0181 EA 3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	267.25 -32.78	12.60
05 15 16 00-0182 EA 3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	303.67 -36.51	14.89
05 15 16 00-0183 EA 3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	376.11 -46.60	16.03
05 15 16 00-0184 EA 3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	452.46 -56.02	19.47
05 15 16 00-0185 EA 7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	512.64 -60.53	27.49
05 15 16 00-0186 EA 7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	622.41 -74.27	32.08
05 15 16 00-0187 EA 1" x 6", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	533.07 -63.60	27.49
05 15 16 00-0188 EA 1" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	607.71 -69.68	35.51
05 15 16 00-0189 EA 1" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	835.71 -98.93	44.67
05 15 16 00-0190 EA 1" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	933.18 -108.74	52.69
05 15 16 00-0191 EA 1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,037.06 -117.38	64.14
05 15 16 00-0192 EA 1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,254.69 -145.25	72.16
05 15 16 00-0193 EA 1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,630.58 -195.50	82.47
05 15 16 00-0194 EA 1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,608.64 -188.43	88.19
05 15 16 00-0195 EA 1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,761.48 -195.50	114.53
05 15 16 00-0196 EA 1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	3,202.90 -394.53	148.90
05 15 16 00-0197 EA 2" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	5,228.09 -612.41	286.34

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)

05 15 16 00-0199 EA 1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	21.00
05 15 16 00-0200 EA 5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	21.10
05 15 16 00-0201 EA 3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	23.81
05 15 16 00-0202 EA 7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	28.47
05 15 16 00-0203 EA 1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	28.34
05 15 16 00-0204 EA 5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	38.81
05 15 16 00-0205 EA 3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	46.69
05 15 16 00-0206 EA 7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	63.19
05 15 16 00-0207 EA 1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	84.89
05 15 16 00-0208 EA 1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	123.66
05 15 16 00-0209 EA 1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	147.17
05 15 16 00-0210 EA 1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	267.87
05 15 16 00-0211 EA 1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	307.26
05 15 16 00-0212 EA 2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	380.10

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)

05 15 16 00-0214 EA 1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	27.70
05 15 16 00-0215 EA 1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	24.97
05 15 16 00-0216 EA 5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	33.97
05 15 16 00-0217 EA 5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	22.71
05 15 16 00-0218 EA 3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.76
05 15 16 00-0219 EA 3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	46.52
05 15 16 00-0220 EA 3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	45.09
05 15 16 00-0221 EA 3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	42.83
05 15 16 00-0222 EA 3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	38.36
05 15 16 00-0223 EA 3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	39.61
05 15 16 00-0224 EA 1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	34.96
05 15 16 00-0225 EA 1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	27.80
05 15 16 00-0226 EA 1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	36.31
05 15 16 00-0227 EA 1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	49.71
05 15 16 00-0228 EA 1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	37.66
05 15 16 00-0229 EA 1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	60.79
05 15 16 00-0230 EA 1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	53.47
05 15 16 00-0231 EA 1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	48.75
05 15 16 00-0232 EA 1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	57.40
05 15 16 00-0233 EA 5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	58.25
05 15 16 00-0234 EA 5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	51.82
05 15 16 00-0235 EA 5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	65.29



	Metals	05	05
	Structural Metal Framing	05 10	
	Wire Rope Assemblies	05 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0236 EA 5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	74.89	
05 15 16 00-0237 EA 5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	86.44	
05 15 16 00-0238 EA 5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	71.34	
05 15 16 00-0239 EA 3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	71.32	
05 15 16 00-0240 EA 3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	72.74	
05 15 16 00-0241 EA 3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	80.44	
05 15 16 00-0242 EA 3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	86.80	
05 15 16 00-0243 EA 3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	101.50	
05 15 16 00-0244 EA 1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	134.49	

05 15 19 Stainless Steel Wire Rope Assemblies (05 15)

05 15 19 00-0001	7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0002	LF 1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.27	0.08
	For >500, Deduct	-0.03	
05 15 19 00-0003	LF 3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.35	0.09
	For >500, Deduct	-0.04	
05 15 19 00-0004	LF 1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.46	0.10
	For >500, Deduct	-0.06	
05 15 19 00-0005	LF 5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.59	0.11
	For >500, Deduct	-0.08	
05 15 19 00-0006	LF 3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.72	0.11
	For >500, Deduct	-0.10	
05 15 19 00-0007	7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0008	LF 1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.51	0.10
	For >500, Deduct	-0.07	
05 15 19 00-0009	LF 5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.60	0.11
	For >500, Deduct	-0.08	
05 15 19 00-0010	LF 3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.69	0.11
	For >500, Deduct	-0.10	
05 15 19 00-0011	LF 1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.86	0.11
	For >500, Deduct	-0.13	
05 15 19 00-0012	LF 5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.31	0.11
	For >500, Deduct	-0.20	
05 15 19 00-0013	LF 3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.96	0.23
	For >500, Deduct	-0.30	
05 15 19 00-0014	7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0015	LF 1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.27	0.08
	For >500, Deduct	-0.03	
05 15 19 00-0016	LF 3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.35	0.09
	For >500, Deduct	-0.04	
05 15 19 00-0017	LF 1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.46	0.10
	For >500, Deduct	-0.06	
05 15 19 00-0018	LF 5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.59	0.11
	For >500, Deduct	-0.08	
05 15 19 00-0019	LF 3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.72	0.11
	For >500, Deduct	-0.10	
05 15 19 00-0020	7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0021	LF 1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.51	0.10
	For >500, Deduct	-0.07	
05 15 19 00-0022	LF 5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.60	0.11
	For >500, Deduct	-0.08	
05 15 19 00-0023	LF 3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.69	0.11
	For >500, Deduct	-0.10	
05 15 19 00-0024	LF 1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.86	0.11
	For >500, Deduct	-0.13	
05 15 19 00-0025	LF 5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.31	0.11
	For >500, Deduct	-0.20	
05 15 19 00-0026	LF 3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.96	0.11
	For >500, Deduct	-0.30	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001	18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0002 SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.53	1.16
For Walls >10' High, Add	1.31	
For Curved Wall, Add	0.81	
For Up To 200, Add	1.84	
For >200 To 500, Add	0.92	
For 12" On Center, Add	1.17	
For 24" On Center, Deduct	-1.17	
05 41 00 00-0003 SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.34	1.16
For Walls >10' High, Add	1.47	
For Curved Wall, Add	0.85	
For Up To 200, Add	2.03	
For >200 To 500, Add	1.02	
For 12" On Center, Add	1.33	
For 24" On Center, Deduct	-1.33	
05 41 00 00-0004 SF 4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.66	1.16
For Walls >10' High, Add	1.53	
For Curved Wall, Add	0.89	
For Up To 200, Add	2.12	
For >200 To 500, Add	1.06	
For 12" On Center, Add	1.38	
For 24" On Center, Deduct	-1.38	
05 41 00 00-0005 SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.88	1.29
For Walls >10' High, Add	1.98	
For Curved Wall, Add	0.92	
For Up To 200, Add	2.59	
For >200 To 500, Add	1.30	
For 12" On Center, Add	1.82	
For 24" On Center, Deduct	-1.82	
05 41 00 00-0006 SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.08	1.42
For Walls >10' High, Add	2.22	
For Curved Wall, Add	0.96	
For Up To 200, Add	2.86	
For >200 To 500, Add	1.43	
For 12" On Center, Add	2.06	
For 24" On Center, Deduct	-2.06	
05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners^(05 41)		
05 41 00 00-0008 SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.03	1.16
For Walls >10' High, Add	1.41	
For Curved Wall, Add	0.85	
For Up To 200, Add	1.97	
For >200 To 500, Add	0.99	
For 12" On Center, Add	1.26	
For 24" On Center, Deduct	-1.26	
05 41 00 00-0009 SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.21	1.17
For Walls >10' High, Add	1.64	
For Curved Wall, Add	0.89	
For Up To 200, Add	2.24	
For >200 To 500, Add	1.12	
For 12" On Center, Add	1.49	
For 24" On Center, Deduct	-1.49	
05 41 00 00-0010 SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.67	1.17
For Walls >10' High, Add	1.73	
For Curved Wall, Add	0.93	
For Up To 200, Add	2.35	
For >200 To 500, Add	1.18	
For 12" On Center, Add	1.58	
For 24" On Center, Deduct	-1.58	
05 41 00 00-0011 SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.09	1.42
For Walls >10' High, Add	2.22	
For Curved Wall, Add	0.97	
For Up To 200, Add	2.87	
For >200 To 500, Add	1.43	
For 12" On Center, Add	2.06	
For 24" On Center, Deduct	-2.06	
05 41 00 00-0012 SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	12.28	1.54
For Walls >10' High, Add	2.46	
For Curved Wall, Add	1.02	
For Up To 200, Add	3.14	
For >200 To 500, Add	1.57	
For 12" On Center, Add	2.29	
For 24" On Center, Deduct	-2.29	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners^(05 41)		
05 41 00 00-0014 SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	9.75	1.61
For Walls >10' High, Add	1.95	
For Curved Wall, Add	1.07	
For Up To 200, Add	2.66	
For >200 To 500, Add	1.33	
For 12" On Center, Add	1.77	
For 24" On Center, Deduct	-1.77	



	Metals	05	
	Cold-Formed Metal Framing	05 40	05
	Structural Metal Stud Framing	05 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0015 SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners For Walls >10' High, Add For Curved Wall, Add For Up To 200, Add For >200 To 500, Add For 12" On Center, Add For 24" On Center, Deduct	10.03 2.01 1.09 2.73 1.37 1.82 -1.82	1.63
05 41 00 00-0016 SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners For Walls >10' High, Add For Curved Wall, Add For Up To 200, Add For >200 To 500, Add For 12" On Center, Add For 24" On Center, Deduct	12.74 2.55 1.15 3.31 1.66 2.36 -2.36	1.72
05 41 00 00-0017 SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners For Walls >10' High, Add For Curved Wall, Add For Up To 200, Add For >200 To 500, Add For 12" On Center, Add For 24" On Center, Deduct	14.03 2.81 1.20 3.61 1.80 2.61 -2.61	1.80

05 42 Cold-Formed Metal Joist Framing (05 40)

05 42 13 Cold-Formed Metal Floor Joist Framing (05 42)

Note: Floor or roof joist framing

05 42 13 00-0001	Steel Joists, 20 Gauge (05 42 13)		
05 42 13 00-0002	LF 5-1/2" - 20 Gauge Steel Joists	14.11	2.76
05 42 13 00-0003	LF 6" - 20 Gauge Steel Joists	15.26	3.47
05 42 13 00-0004	LF 7-1/4" - 20 Gauge Steel Joists	16.52	3.80
05 42 13 00-0005	LF 8" - 20 Gauge Steel Joists	18.61	4.05
05 42 13 00-0006	Steel Joists, 18 Gauge (05 42 13)		
05 42 13 00-0007	LF 5-1/2" - 18 Gauge Steel Joists	15.74	3.06
05 42 13 00-0008	LF 6" - 18 Gauge Steel Joists	17.05	3.85
05 42 13 00-0009	LF 7-1/4" - 18 Gauge Steel Joists	18.51	4.23
05 42 13 00-0010	LF 8" - 18 Gauge Steel Joists	19.01	4.49
05 42 13 00-0011	Steel Joists, 16 Gauge (05 42 13)		
05 42 13 00-0012	LF 7-1/4" - 16 Gauge Steel Joists	20.12	4.26
05 42 13 00-0013	LF 8" - 16 Gauge Steel Joists	21.25	4.49
05 42 13 00-0014	Steel Joists, 14 Gauge (05 42 13)		
05 42 13 00-0015	LF 9-1/4" - 14 Gauge Steel Joists	24.16	4.49
05 42 13 00-0016	LF 11-1/2" - 14 Gauge Steel Joists	26.30	4.74
05 42 13 00-0017	Steel Joists, 12 Gauge (05 42 13)		
05 42 13 00-0018	LF 9-1/4" - 12 Gauge Steel Joists	28.90	4.94
05 42 13 00-0019	LF 11-1/2" - 12 Gauge Steel Joists	31.68	5.21
05 42 13 00-0020	Steel Joists, 10 Gauge (05 42 13)		
05 42 13 00-0021	LF 9-1/4" - 10 Gauge Steel Joists	33.71	5.44
05 42 13 00-0022	LF 11-1/2" - 10 Gauge Steel Joists	37.13	5.73
05 42 13 00-0023	Steel Joists, 8 Gauge (05 42 13)		
05 42 13 00-0024	LF 9-1/4" - 8 Gauge Steel Joists	38.59	5.99
05 42 13 00-0025	LF 11-1/2" - 8 Gauge Steel Joists	42.63	6.31

05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing (05 40)

05 43 00 00-0001	Metal Framing Channel (05 43)		
	Note: Excludes fasteners and accessories. See CSI section 26 05 29 00-0001 for Unistrut framing channels with Electrical Crews.		
05 43 00 00-0002	Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003	LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel For Powder Coating, Add For Galvanizing, Add	13.55 1.26 1.42	2.59
05 43 00 00-0004	LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel For Powder Coating, Add For Galvanizing, Add	13.96 1.32 1.49	2.59

05 Metals**05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	14.58 1.41 1.60	2.59
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	12.74 1.14 1.29	2.59
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	10.96 0.87 0.98	2.59
05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009 304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0010 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	22.67	2.59
05 43 00 00-0011 LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	26.94	2.59
05 43 00 00-0012 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.88	2.59
05 43 00 00-0013 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	32.48	2.59
05 43 00 00-0014 316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0015 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	36.53	2.59
05 43 00 00-0016 Aluminum Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0017 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.41	2.59
05 43 00 00-0018 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	10.15	2.59
05 43 00 00-0019 Metal Framing Channel Fittings (05 43)		
05 43 00 00-0020 Unistrut Closure Strips (05 43 00 00-0019)		
05 43 00 00-0021 LF Steel Raceway Closure Strip For Unistrut Channel	7.58	0.57
05 43 00 00-0022 Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0019) Note: Includes hex bolt.		
05 43 00 00-0023 Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0022) Note: Includes hex bolt.		
05 43 00 00-0024 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel	8.22	
05 43 00 00-0025 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel	9.10	
05 43 00 00-0026 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel	9.77	
05 43 00 00-0027 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel	13.34	
05 43 00 00-0028 Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0022) Note: Includes hex bolt.		
05 43 00 00-0029 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	13.85	
05 43 00 00-0030 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.72	
05 43 00 00-0031 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.29	
05 43 00 00-0032 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	32.94	
05 43 00 00-0033 Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0019) Note: Includes hex bolt.		
05 43 00 00-0034 Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0033) Note: Includes hex bolt.		
05 43 00 00-0035 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	8.25	
05 43 00 00-0036 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	9.23	
05 43 00 00-0037 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	9.82	
05 43 00 00-0038 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	14.37	
05 43 00 00-0039 Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0033) Note: Includes hex bolt.		
05 43 00 00-0040 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.39	
05 43 00 00-0041 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.29	
05 43 00 00-0042 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.42	
05 43 00 00-0043 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	32.13	
05 43 00 00-0044 Beam Clamp For Unistrut Channel (05 43 00 00-0019)		
05 43 00 00-0045 EA 1-5/8" Channel, P2675 Unistrut Beam Clamp	23.31	8.59
05 43 00 00-0046 EA 1-5/8" Channel, P2676 Unistrut Beam Clamp	29.01	8.59
05 43 00 00-0047 EA Add For Unistrut Swivel Nut, P2676	3.10	
05 43 00 00-0048 Beam Clamp Clevis Hangers For Unistrut Channel (05 43 00 00-0019)		
05 43 00 00-0049 EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	25.28	8.59
05 43 00 00-0050 EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	29.82	8.59



	Metals	05	
	Cold-Formed Metal Framing	05 40	
	Slotted Channel Framing	05 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0051 EA Add For Unistrut Swivel Nut.....	3.10	
05 43 00 00-0052 EA 6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut.....	185.53	11.45
05 43 00 00-0053 Accessories For Unistrut Channel (05 43 00 00-0019)		
05 43 00 00-0054 EA Trolley Truck Hanger, 1-5/8" Channel P1834	60.95	8.59
05 43 00 00-0055 EA Flat Plate Fitting, One Hole, 1-5/8" Channel P1064.....	15.10	5.73
05 43 00 00-0056 EA 60 Degree Angle, 1-5/8" Channel P2097.....	15.83	5.73
05 43 00 00-0057 Bases For Unistrut Channel (05 43 00 00-0019)		
05 43 00 00-0058 Steel Bases For Unistrut Channel (05 43 00 00-0057)		
Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0059 EA 6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	116.84	28.63
05 43 00 00-0060 EA 6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	117.97	28.63
05 43 00 00-0061 EA 6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	169.81	28.63
05 43 00 00-0062 EA 6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel.....	138.70	28.63
05 43 00 00-0063 Stainless Steel Bases For Unistrut Channel (05 43 00 00-0057)		
Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0064 EA 6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	224.75	28.63
05 43 00 00-0065 EA 6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	416.57	28.63
05 43 00 00-0066 EA 6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	309.84	28.63
05 43 00 00-0067 EA 6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel.....	465.86	28.63
05 43 00 00-0068 EA 6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	397.67	28.63
05 45 Metal Support Assemblies (05 40)		
05 45 16 Electrical Metal Supports (05 45)		
See CSI section 26 05 29 00-0000 for metal supports.		
05 50 Metal Fabrications (05)		
05 51 Metal Stairs (05 50)		
05 51 13 Metal Pan Stairs (05 51)		
Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)		
Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002 RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	910.53	33.32
For Closed Riser, Add		104.70
05 51 13 00-0003 RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,035.02	38.87
For Closed Riser, Add		118.87
05 51 13 00-0004 RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,153.69	45.53
For Closed Riser, Add		132.20
05 51 13 00-0005 SF Concrete Filled Steel Pan Landing	78.43	5.55
Note: Conventional shape.		
05 51 19 Metal Grating Stairs (05 51)		
Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)		
Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002 RSR 3'-6" Wide Open Steel Grating Tread Metal Stair	446.69	44.42
For Closed Riser, Add		53.18
For Galvanized Steel, Add		89.46
05 51 19 00-0003 RSR 4'-0" Wide Open Steel Grating Tread Metal Stair	477.05	51.09
For Closed Riser, Add		56.40
For Galvanized Steel, Add		93.72
05 51 19 00-0004 RSR 5'-0" Wide Open Steel Grating Tread Metal Stair	528.91	59.97
For Closed Riser, Add		62.16
For Galvanized Steel, Add		102.24
05 51 19 00-0005 SF Steel Grating Landing With Framing And 2 Pipe Handrail	83.56	5.55
Note: Conventional shape.		
For Galvanized Steel, Add		15.34
05 51 33 Metal Ladders (05 51)		
Note: Includes factory prime.		
05 51 33 13 Vertical Metal Ladders (05 51 33)		
05 51 33 13-0001 Vertical Ladders (05 51 33 13)		
Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002 VLF 20" Wide Fixed Vertical Steel Ladder Primed	96.80	13.33
For Galvanized Steel, Add		13.75
For Aluminum, Add		27.50

05 Metals**05 50 Metal Fabrications****05 51 Metal Stairs**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0003 VLF 24" Wide Fixed Vertical Steel Ladder Primed For Galvanized Steel, Add For Aluminum, Add	110.74 17.23 34.47	13.33
05 51 33 13-0004 VLF 20" Wide Fixed Vertical Steel Caged Ladder Primed For Galvanized Steel, Add For Aluminum, Add	230.54 39.94 79.88	22.21
05 51 33 13-0005 VLF 24" Wide Fixed Vertical Steel Caged Ladder Primed For Galvanized Steel, Add For Aluminum, Add	258.41 46.91 93.81	22.21
05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)		
05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. For Galvanized Steel, Add For Aluminum, Add	387.85 76.14 152.29	41.64
05 51 33 13-0008 EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. For Galvanized Steel, Add For Aluminum, Add	424.76 83.98 167.96	44.42
05 51 33 13-0009 EA Security Cage Entry Gate With Lockable Hasp	463.21	13.88
05 51 33 13-0010 EA 6' Powder Coated, Security Ladder Guard	1,248.24	83.28
05 51 33 13-0011 EA 8' Powder Coated, Security Ladder Guard	1,493.23	97.17
05 51 33 13-0012 EA Safety Chain Attachment	228.24	
05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)		
Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0015 EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,122.24	166.58
05 51 33 13-0016 EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,305.03	172.13
05 51 33 13-0017 EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,450.51	177.69
05 51 33 13-0018 EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,605.94	183.23
05 51 33 13-0019 EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,696.67	188.78
05 51 33 13-0020 EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,844.63	194.34
05 51 33 13-0021 EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,975.17	199.89
05 51 33 13-0022 EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,145.52	205.45
05 51 33 13-0023 EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,310.91	211.00
05 51 33 13-0024 EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,446.43	216.54
05 51 33 13-0025 EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,611.81	222.10
05 51 33 13-0026 EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,772.21	227.65
05 51 33 13-0027 EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,930.12	233.21
05 51 33 13-0028 EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,217.42	238.76
05 51 33 13-0029 EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,303.18	244.32
05 51 33 13-0030 EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,451.15	249.86
05 51 33 13-0031 EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,586.67	255.41
05 51 33 13-0032 EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,712.24	260.97
05 51 33 13-0033 EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,992.08	266.52
05 51 33 13-0034 EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,142.52	272.08
05 51 33 13-0035 EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,283.02	277.62
05 51 33 13-0036 Welded Stainless Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0037 EA 7-1/2' Length, Welded Stainless Steel Ladder Cage	5,289.84	166.58
05 51 33 13-0038 EA 8-1/2' Length, Welded Stainless Steel Ladder Cage	5,651.79	172.13
05 51 33 13-0039 EA 9-1/2' Length, Welded Stainless Steel Ladder Cage	6,255.12	177.69
05 51 33 13-0040 EA 10-1/2' Length, Welded Stainless Steel Ladder Cage	6,552.38	183.23
05 51 33 13-0041 EA 11-1/2' Length, Welded Stainless Steel Ladder Cage	6,802.36	188.78
05 51 33 13-0042 EA 12-1/2' Length, Welded Stainless Steel Ladder Cage	7,134.46	194.34
05 51 33 13-0043 EA 13-1/2' Length, Welded Stainless Steel Ladder Cage	7,732.80	199.89
05 51 33 13-0044 EA 14-1/2' Length, Welded Stainless Steel Ladder Cage	8,035.03	205.45
05 51 33 13-0045 EA 15-1/2' Length, Welded Stainless Steel Ladder Cage	8,347.23	211.00
05 51 33 13-0046 EA 16-1/2' Length, Welded Stainless Steel Ladder Cage	8,689.28	216.54
05 51 33 13-0047 EA 17-1/2' Length, Welded Stainless Steel Ladder Cage	9,300.06	222.10
05 51 33 13-0048 EA 18-1/2' Length, Welded Stainless Steel Ladder Cage	9,604.79	227.65
05 51 33 13-0049 EA 19-1/2' Length, Welded Stainless Steel Ladder Cage	9,894.58	233.21
05 51 33 13-0050 EA 20-1/2' Length, Welded Stainless Steel Ladder Cage	10,375.97	238.76
05 51 33 13-0051 EA 21-1/2' Length, Welded Stainless Steel Ladder Cage	10,917.09	244.32
05 51 33 13-0052 EA 22-1/2' Length, Welded Stainless Steel Ladder Cage	11,216.84	249.86
05 51 33 13-0053 EA 23-1/2' Length, Welded Stainless Steel Ladder Cage	11,524.05	255.41
05 51 33 13-0054 EA 24-1/2' Length, Welded Stainless Steel Ladder Cage	11,811.36	260.97
05 51 33 13-0055 EA 25-1/2' Length, Welded Stainless Steel Ladder Cage	12,551.54	266.52
05 51 33 13-0056 EA 26-1/2' Length, Welded Stainless Steel Ladder Cage	12,838.83	272.08
05 51 33 13-0057 EA 27-1/2' Length, Welded Stainless Steel Ladder Cage	13,133.61	277.62
05 51 33 16 Inclined Metal Ladders (05 51 33)		
05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)		
Note: Includes factory prime.		



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Stairs	05 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 51 33 16-0002	RSR		3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	325.23	55.52
			For Aluminum, Add	107.09	

05 51 33 23 Alternating Tread Ladders (05 51 33)

05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)

05 51 33 23-0002	EA		4' Vertical Height Aluminum Alternating Tread Ladder	2,884.05	166.58
			For Stainless Steel, Add	279.46	
			For Primed Steel, Deduct	-232.88	
05 51 33 23-0003	EA		5' Vertical Height Aluminum Alternating Tread Ladder	3,316.37	176.57
			For Stainless Steel, Add	340.51	
			For Primed Steel, Deduct	-265.60	
05 51 33 23-0004	EA		6' Vertical Height Aluminum Alternating Tread Ladder	3,701.87	176.57
			For Stainless Steel, Add	404.25	
			For Primed Steel, Deduct	-295.41	
05 51 33 23-0005	EA		7' Vertical Height Aluminum Alternating Tread Ladder	4,206.49	221.88
			For Stainless Steel, Add	467.93	
			For Primed Steel, Deduct	-320.62	
05 51 33 23-0006	EA		8' Vertical Height Aluminum Alternating Tread Ladder	4,633.63	229.74
			For Stainless Steel, Add	541.49	
			For Primed Steel, Deduct	-348.10	
05 51 33 23-0007	EA		9' Vertical Height Aluminum Alternating Tread Ladder	4,974.26	229.74
			For Stainless Steel, Add	610.22	
			For Primed Steel, Deduct	-368.24	
05 51 33 23-0008	EA		10' Vertical Height Aluminum Alternating Tread Ladder	5,458.50	256.27
			For Stainless Steel, Add	690.64	
			For Primed Steel, Deduct	-391.36	
05 51 33 23-0009	EA		11' Vertical Height Aluminum Alternating Tread Ladder	5,840.14	256.27
			For Stainless Steel, Add	772.81	
			For Primed Steel, Deduct	-411.34	
05 51 33 23-0010	EA		12' Vertical Height Aluminum Alternating Tread Ladder	6,137.07	256.27
			For Stainless Steel, Add	845.25	
			For Primed Steel, Deduct	-422.63	

05 52 Metal Railings (05 50)

05 52 13 Pipe and Tube Railings (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing (05 52 13)

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF		1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	38.81	11.11
			For Schedule 80 Handrail, Add	5.12	
			For 11 Gauge A513 Steel Tubing, Deduct	-3.65	
			For 12 Gauge A513 Steel Tubing, Deduct	-4.15	
			For 14 Gauge A513 Steel Tubing, Deduct	-5.48	
			For 16 Gauge A513 Steel Tubing, Deduct	-6.47	
			For ADA Handrail P-Loop End Return, Add Per Each	78.88	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	14.40	
			For Aluminum, Satin Finish, Add	6.97	
			For Aluminum, Clear Anodized Finish, Add	10.79	
			For Aluminum, Dark Anodized Finish, Add	12.45	
			For Galvanizing, Add	6.64	
			For Wrought Iron, Add	3.88	
			For Solid Steel Rails, Add	7.76	
			For 304 Stainless Steel, Add	53.12	
			For 316 Stainless Steel, Add	59.76	
			For 2" Wheel Guard, Add	1.58	
			For 4" High Kick Plate, Add	2.08	
			For 6" High Kick Plate, Add	3.32	
			For Curved Rail, Add	16.62	
			For Mounting On Stairs, Add	11.64	
			For Mounting On Slopes, Add	3.88	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc.), Add	13.85	
			For Nylon Coating, Add	2.49	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0004	LF		1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	41.67	11.11
			For Schedule 80 Handrail, Add	8.14	
			For 11 Gauge A513 Steel Tubing, Deduct	-4.28	
			For 12 Gauge A513 Steel Tubing, Deduct	-4.87	
			For 14 Gauge A513 Steel Tubing, Deduct	-6.42	
			For 16 Gauge A513 Steel Tubing, Deduct	-7.59	
			For ADA Handrail P-Loop End Return, Add Per Each	93.91	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	16.12	
			For Aluminum, Satin Finish, Add	8.17	
			For Aluminum, Clear Anodized Finish, Add	12.65	
			For Aluminum, Dark Anodized Finish, Add	14.60	
			For Galvanizing, Add	7.78	
			For Wrought Iron, Add	4.17	
			For Solid Steel Rails, Add	8.33	
			For 304 Stainless Steel, Add	62.27	
			For 316 Stainless Steel, Add	70.06	
			For 2" Wheel Guard, Add	1.85	
			For 4" High Kick Plate, Add	2.43	
			For 6" High Kick Plate, Add	3.89	
			For Curved Rail, Add	18.34	
			For Mounting On Stairs, Add	12.50	
			For Mounting On Slopes, Add	4.17	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc.), Add	15.28	
			For Nylon Coating, Add	2.92	
05 52 13 00-0005	LF		1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	44.53	11.11
			For Schedule 80 Handrail, Add	8.14	
			For 11 Gauge A513 Steel Tubing, Deduct	-4.91	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.58	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.37	
			For 16 Gauge A513 Steel Tubing, Deduct	-8.70	
			For ADA Handrail P-Loop End Return, Add Per Each	105.86	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	17.83	
			For Aluminum, Satin Finish, Add	9.37	
			For Aluminum, Clear Anodized Finish, Add	14.51	
			For Aluminum, Dark Anodized Finish, Add	16.74	
			For Galvanizing, Add	8.93	
			For Wrought Iron, Add	4.45	
			For Solid Steel Rails, Add	8.91	
			For 304 Stainless Steel, Add	71.42	
			For 316 Stainless Steel, Add	80.35	
			For 2" Wheel Guard, Add	2.12	
			For 4" High Kick Plate, Add	2.79	
			For 6" High Kick Plate, Add	4.46	
			For Curved Rail, Add	20.06	
			For Mounting On Stairs, Add	13.36	
			For Mounting On Slopes, Add	4.45	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc.), Add	16.71	
			For Nylon Coating, Add	3.35	
05 52 13 00-0006	LF		2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	49.49	11.11
			For Schedule 80 Handrail, Add	9.36	
			For 11 Gauge A513 Steel Tubing, Deduct	-6.00	
			For 12 Gauge A513 Steel Tubing, Deduct	-6.82	
			For 14 Gauge A513 Steel Tubing, Deduct	-9.00	
			For 16 Gauge A513 Steel Tubing, Deduct	-10.64	
			For ADA Handrail P-Loop End Return, Add Per Each	127.87	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	20.81	
			For Aluminum, Satin Finish, Add	11.46	
			For Aluminum, Clear Anodized Finish, Add	17.73	
			For Aluminum, Dark Anodized Finish, Add	20.46	
			For Galvanizing, Add	10.91	
			For Wrought Iron, Add	4.95	
			For Solid Steel Rails, Add	9.90	
			For 304 Stainless Steel, Add	87.30	
			For 316 Stainless Steel, Add	98.21	
			For 2" Wheel Guard, Add	2.59	
			For 4" High Kick Plate, Add	3.41	
			For 6" High Kick Plate, Add	5.46	
			For Curved Rail, Add	23.03	
			For Mounting On Stairs, Add	14.85	
			For Mounting On Slopes, Add	4.95	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc.), Add	19.19	
			For Nylon Coating, Add	4.09	



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Railings	05 52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	55.43	11.11
		For Schedule 80 Handrail, Add	10.60	
		For 11 Gauge A513 Steel Tubing, Deduct	-7.31	
		For 12 Gauge A513 Steel Tubing, Deduct	-8.31	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.96	
		For 16 Gauge A513 Steel Tubing, Deduct	-12.96	
		For ADA Handrail P-Loop End Return, Add Per Each	174.84	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	24.37	
		For Aluminum, Satin Finish, Add	13.95	
		For Aluminum, Clear Anodized Finish, Add	21.59	
		For Aluminum, Dark Anodized Finish, Add	24.92	
		For Galvanizing, Add	13.29	
		For Wrought Iron, Add	5.54	
		For Solid Steel Rails, Add	11.09	
		For 304 Stainless Steel, Add	106.30	
		For 316 Stainless Steel, Add	119.59	
		For 2" Wheel Guard, Add	3.16	
		For 4" High Kick Plate, Add	4.15	
		For 6" High Kick Plate, Add	6.64	
		For Curved Rail, Add	26.60	
		For Mounting On Stairs, Add	16.63	
		For Mounting On Slopes, Add	5.54	
		For Post Base Flange With Screws, Add Per Post	19.72	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
		For Custom Design Or Shapes (Square Tops, etc.), Add	22.16	
		For Nylon Coating, Add	4.98	
05 52 13 00-0008		Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
		Note: Includes factory primed posts and two rails.		
05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	51.25	11.11
		For Schedule 80 Handrail, Add	5.12	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58	
		For 11 Gauge A513 Steel Tubing, Deduct	-6.39	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.26	
		For 14 Gauge A513 Steel Tubing, Deduct	-9.58	
		For 16 Gauge A513 Steel Tubing, Deduct	-11.33	
		For ADA Handrail P-Loop End Return, Add Per Each	78.88	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	14.40	
		For Aluminum, Satin Finish, Add	12.20	
		For Aluminum, Clear Anodized Finish, Add	18.88	
		For Aluminum, Dark Anodized Finish, Add	21.78	
		For Galvanizing, Add	11.62	
		For Wrought Iron, Add	5.13	
		For Solid Steel Rails, Add	10.25	
		For 304 Stainless Steel, Add	92.93	
		For 316 Stainless Steel, Add	104.54	
		For 2" Wheel Guard, Add	2.76	
		For 4" High Kick Plate, Add	3.63	
		For 6" High Kick Plate, Add	5.81	
		For Curved Rail, Add	24.09	
		For Mounting On Stairs, Add	15.38	
		For Mounting On Slopes, Add	5.13	
		For Post Base Flange With Screws, Add Per Post	19.72	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
		For Custom Design Or Shapes (Square Tops, etc.), Add	20.07	
		For Nylon Coating, Add	4.36	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	56.26	11.11	
		For Schedule 80 Handrail, Add	8.14		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23		
		For 11 Gauge A513 Steel Tubing, Deduct	-7.49		
		For 12 Gauge A513 Steel Tubing, Deduct	-8.51		
		For 14 Gauge A513 Steel Tubing, Deduct	-11.24		
		For 16 Gauge A513 Steel Tubing, Deduct	-13.28		
		For ADA Handrail P-Loop End Return, Add Per Each	93.91		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	16.12		
		For Aluminum, Satin Finish, Add	14.30		
		For Aluminum, Clear Anodized Finish, Add	22.13		
		For Aluminum, Dark Anodized Finish, Add	25.54		
		For Galvanizing, Add	13.62		
		For Wrought Iron, Add	5.63		
		For Solid Steel Rails, Add	11.25		
		For 304 Stainless Steel, Add	108.96		
		For 316 Stainless Steel, Add	122.58		
		For 2" Wheel Guard, Add	3.23		
		For 4" High Kick Plate, Add	4.26		
		For 6" High Kick Plate, Add	6.81		
		For Curved Rail, Add	27.09		
		For Mounting On Stairs, Add	16.88		
		For Mounting On Slopes, Add	5.63		
		For Post Base Flange With Screws, Add Per Post	19.72		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83		
		For Custom Design Or Shapes (Square Tops, etc.), Add	22.58		
		For Nylon Coating, Add	5.11		
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	61.26	11.11	
		For Schedule 80 Handrail, Add	8.14		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23		
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	102.57		
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	74.50		
		For 11 Gauge A513 Steel Tubing, Deduct	-8.59		
		For 12 Gauge A513 Steel Tubing, Deduct	-9.76		
		For 14 Gauge A513 Steel Tubing, Deduct	-12.89		
		For 16 Gauge A513 Steel Tubing, Deduct	-15.23		
		For ADA Handrail P-Loop End Return, Add Per Each	105.86		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	17.83		
		For Aluminum, Satin Finish, Add	16.40		
		For Aluminum, Clear Anodized Finish, Add	25.38		
		For Aluminum, Dark Anodized Finish, Add	29.29		
		For Galvanizing, Add	15.62		
		For Wrought Iron, Add	6.13		
		For Solid Steel Rails, Add	12.25		
		For 304 Stainless Steel, Add	124.96		
		For 316 Stainless Steel, Add	140.58		
		For 2" Wheel Guard, Add	3.71		
		For 4" High Kick Plate, Add	4.88		
		For 6" High Kick Plate, Add	7.81		
		For Curved Rail, Add	30.09		
		For Mounting On Stairs, Add	18.38		
		For Mounting On Slopes, Add	6.13		
		For Post Base Flange With Screws, Add Per Post	19.72		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83		
		For Custom Design Or Shapes (Square Tops, etc.), Add	25.08		
		For Nylon Coating, Add	5.86		



Metals		05	05
Metal Fabrications		05 50	
Metal Railings		05 52	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 52 13 00-0012	LF 2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	69.94		11.11
	For Schedule 80 Handrail, Add	9.36		
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52		
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40		
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26		
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36		
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39		
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40		
	For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87		
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24		
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58		
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70		
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23		
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	102.57		
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	74.50		
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.52		
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	91.82		
	For 11 Gauge A513 Steel Tubing, Deduct	-10.50		
	For 12 Gauge A513 Steel Tubing, Deduct	-11.93		
	For 14 Gauge A513 Steel Tubing, Deduct	-15.75		
	For 16 Gauge A513 Steel Tubing, Deduct	-18.61		
	For ADA Handrail P-Loop End Return, Add Per Each	127.87		
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	20.81		
	For Aluminum, Satin Finish, Add	20.05		
	For Aluminum, Clear Anodized Finish, Add	31.02		
	For Aluminum, Dark Anodized Finish, Add	35.80		
	For Galvanizing, Add	19.09		
	For Wrought Iron, Add	6.99		
	For Solid Steel Rails, Add	13.99		
	For 304 Stainless Steel, Add	152.74		
	For 316 Stainless Steel, Add	171.83		
	For 2" Wheel Guard, Add	4.53		
	For 4" High Kick Plate, Add	5.97		
	For 6" High Kick Plate, Add	9.55		
	For Curved Rail, Add	35.30		
	For Mounting On Stairs, Add	20.98		
	For Mounting On Slopes, Add	6.99		
	For Post Base Flange With Screws, Add Per Post	19.72		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83		
	For Custom Design Or Shapes (Square Tops, etc.), Add	29.42		
	For Nylon Coating, Add	7.16		
05 52 13 00-0013	LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	80.34		11.11
	For Schedule 80 Handrail, Add	10.60		
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52		
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40		
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26		
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36		
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39		
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40		
	For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87		
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24		
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58		
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70		
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23		
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	102.57		
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	74.50		
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.52		
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	91.82		
	For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	131.61		
	For 11 Gauge A513 Steel Tubing, Deduct	-12.79		
	For 12 Gauge A513 Steel Tubing, Deduct	-14.53		
	For 14 Gauge A513 Steel Tubing, Deduct	-19.18		
	For 16 Gauge A513 Steel Tubing, Deduct	-22.67		
	For ADA Handrail P-Loop End Return, Add Per Each	174.84		
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	24.37		
	For Aluminum, Satin Finish, Add	24.41		
	For Aluminum, Clear Anodized Finish, Add	37.78		
	For Aluminum, Dark Anodized Finish, Add	43.60		
	For Galvanizing, Add	23.25		
	For Wrought Iron, Add	8.03		
	For Solid Steel Rails, Add	16.07		
	For 304 Stainless Steel, Add	186.02		
	For 316 Stainless Steel, Add	209.27		
	For 2" Wheel Guard, Add	5.52		
	For 4" High Kick Plate, Add	7.27		
	For 6" High Kick Plate, Add	11.63		
	For Curved Rail, Add	41.54		
	For Mounting On Stairs, Add	24.10		
	For Mounting On Slopes, Add	8.03		
	For Post Base Flange With Screws, Add Per Post	19.72		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83		
	For Custom Design Or Shapes (Square Tops, etc.), Add	34.62		
	For Nylon Coating, Add	8.72		
05 52 13 00-0014	Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)			
	Note: Includes factory primed posts and three rails.			

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF		1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	80.01	13.33
			For Schedule 80 Handrail, Add	7.41	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58	
			For 11 Gauge A513 Steel Tubing, Deduct	-11.74	
			For 12 Gauge A513 Steel Tubing, Deduct	-13.34	
			For 14 Gauge A513 Steel Tubing, Deduct	-17.61	
			For 16 Gauge A513 Steel Tubing, Deduct	-20.81	
			For ADA Handrail P-Loop End Return, Add Per Each	78.88	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	15.29	
			For Aluminum, Satin Finish, Add	22.41	
			For Aluminum, Clear Anodized Finish, Add	34.68	
			For Aluminum, Dark Anodized Finish, Add	40.02	
			For Galvanizing, Add	21.34	
			For Wrought Iron, Add	8.00	
			For Solid Steel Rails, Add	16.00	
			For 304 Stainless Steel, Add	170.75	
			For 316 Stainless Steel, Add	192.10	
			For 2" Wheel Guard, Add	5.07	
			For 4" High Kick Plate, Add	6.67	
			For 6" High Kick Plate, Add	10.67	
			For Curved Rail, Add	40.01	
			For Mounting On Stairs, Add	24.00	
			For Mounting On Slopes, Add	8.00	
			For Post Base Flange With Screws, Add Per Post	20.17	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.50	
			For Custom Design Or Shapes (Square Tops, etc.), Add	33.34	
			For Nylon Coating, Add	8.00	
05 52 13 00-0016	LF		1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	89.20	13.33
			For Schedule 80 Handrail, Add	11.44	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23	
			For 11 Gauge A513 Steel Tubing, Deduct	-13.76	
			For 12 Gauge A513 Steel Tubing, Deduct	-15.64	
			For 14 Gauge A513 Steel Tubing, Deduct	-20.64	
			For 16 Gauge A513 Steel Tubing, Deduct	-24.39	
			For ADA Handrail P-Loop End Return, Add Per Each	93.91	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	17.01	
			For Aluminum, Satin Finish, Add	26.27	
			For Aluminum, Clear Anodized Finish, Add	40.66	
			For Aluminum, Dark Anodized Finish, Add	46.91	
			For Galvanizing, Add	25.02	
			For Wrought Iron, Add	8.92	
			For Solid Steel Rails, Add	17.84	
			For 304 Stainless Steel, Add	200.16	
			For 316 Stainless Steel, Add	225.18	
			For 2" Wheel Guard, Add	5.94	
			For 4" High Kick Plate, Add	7.82	
			For 6" High Kick Plate, Add	12.51	
			For Curved Rail, Add	45.53	
			For Mounting On Stairs, Add	26.76	
			For Mounting On Slopes, Add	8.92	
			For Post Base Flange With Screws, Add Per Post	20.17	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.50	
			For Custom Design Or Shapes (Square Tops, etc.), Add	37.94	
			For Nylon Coating, Add	9.38	



Metals		05	05
Metal Fabrications		05 50	
Metal Railings		05 52	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 52 13 00-0017	LF 1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	98.39	13.33
	For Schedule 80 Handrail, Add	11.44	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	102.57	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	74.50	
	For 11 Gauge A513 Steel Tubing, Deduct	-15.78	
	For 12 Gauge A513 Steel Tubing, Deduct	-17.94	
	For 14 Gauge A513 Steel Tubing, Deduct	-23.67	
	For 16 Gauge A513 Steel Tubing, Deduct	-27.98	
	For ADA Handrail P-Loop End Return, Add Per Each	105.86	
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	18.72	
	For Aluminum, Satin Finish, Add	30.13	
	For Aluminum, Clear Anodized Finish, Add	46.63	
	For Aluminum, Dark Anodized Finish, Add	53.81	
	For Galvanizing, Add	28.70	
	For Wrought Iron, Add	9.84	
	For Solid Steel Rails, Add	19.68	
	For 304 Stainless Steel, Add	229.57	
	For 316 Stainless Steel, Add	258.26	
	For 2" Wheel Guard, Add	6.82	
	For 4" High Kick Plate, Add	8.97	
	For 6" High Kick Plate, Add	14.35	
	For Curved Rail, Add	51.04	
	For Mounting On Stairs, Add	29.52	
	For Mounting On Slopes, Add	9.84	
	For Post Base Flange With Screws, Add Per Post	20.17	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.50	
	For Custom Design Or Shapes (Square Tops, etc.), Add	42.53	
	For Nylon Coating, Add	10.76	
05 52 13 00-0018	LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	114.36	13.33
	For Schedule 80 Handrail, Add	13.06	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	102.57	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	74.50	
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.52	
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	91.82	
	For 11 Gauge A513 Steel Tubing, Deduct	-19.30	
	For 12 Gauge A513 Steel Tubing, Deduct	-21.93	
	For 14 Gauge A513 Steel Tubing, Deduct	-28.94	
	For 16 Gauge A513 Steel Tubing, Deduct	-34.21	
	For ADA Handrail P-Loop End Return, Add Per Each	127.87	
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	21.70	
	For Aluminum, Satin Finish, Add	36.84	
	For Aluminum, Clear Anodized Finish, Add	57.01	
	For Aluminum, Dark Anodized Finish, Add	65.78	
	For Galvanizing, Add	35.08	
	For Wrought Iron, Add	11.44	
	For Solid Steel Rails, Add	22.87	
	For 304 Stainless Steel, Add	280.67	
	For 316 Stainless Steel, Add	315.76	
	For 2" Wheel Guard, Add	8.33	
	For 4" High Kick Plate, Add	10.96	
	For 6" High Kick Plate, Add	17.54	
	For Curved Rail, Add	60.62	
	For Mounting On Stairs, Add	34.31	
	For Mounting On Slopes, Add	11.44	
	For Post Base Flange With Screws, Add Per Post	20.17	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.50	
	For Custom Design Or Shapes (Square Tops, etc.), Add	50.52	
	For Nylon Coating, Add	13.16	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	133.38	13.33	
		For Schedule 80 Handrail, Add	14.71		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23		
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	102.57		
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	74.50		
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.52		
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	91.82		
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	131.61		
		For 11 Gauge A513 Steel Tubing, Deduct	-23.48		
		For 12 Gauge A513 Steel Tubing, Deduct	-26.68		
		For 14 Gauge A513 Steel Tubing, Deduct	-35.22		
		For 16 Gauge A513 Steel Tubing, Deduct	-41.62		
		For ADA Handrail P-Loop End Return, Add Per Each	174.84		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	25.26		
		For Aluminum, Satin Finish, Add	44.83		
		For Aluminum, Clear Anodized Finish, Add	69.37		
		For Aluminum, Dark Anodized Finish, Add	80.05		
		For Galvanizing, Add	42.69		
		For Wrought Iron, Add	13.34		
		For Solid Steel Rails, Add	26.68		
		For 304 Stainless Steel, Add	341.54		
		For 316 Stainless Steel, Add	384.23		
		For 2" Wheel Guard, Add	10.14		
		For 4" High Kick Plate, Add	13.34		
		For 6" High Kick Plate, Add	21.35		
		For Curved Rail, Add	72.03		
		For Mounting On Stairs, Add	40.01		
		For Mounting On Slopes, Add	13.34		
		For Post Base Flange With Screws, Add Per Post	20.17		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.50		
		For Custom Design Or Shapes (Square Tops, etc.), Add	60.03		
		For Nylon Coating, Add	16.01		
05 52 13 00-0020		Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)			
		Note: Includes factory primed posts and four rails.			
05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	96.59	15.54	
		For Schedule 80 Handrail, Add	9.97		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58		
		For 11 Gauge A513 Steel Tubing, Deduct	-14.41		
		For 12 Gauge A513 Steel Tubing, Deduct	-16.37		
		For 14 Gauge A513 Steel Tubing, Deduct	-21.61		
		For 16 Gauge A513 Steel Tubing, Deduct	-25.54		
		For ADA Handrail P-Loop End Return, Add Per Each	78.88		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	16.18		
		For Aluminum, Satin Finish, Add	27.51		
		For Aluminum, Clear Anodized Finish, Add	42.57		
		For Aluminum, Dark Anodized Finish, Add	49.12		
		For Galvanizing, Add	26.20		
		For Wrought Iron, Add	9.66		
		For Solid Steel Rails, Add	19.32		
		For 304 Stainless Steel, Add	209.57		
		For 316 Stainless Steel, Add	235.76		
		For 2" Wheel Guard, Add	6.22		
		For 4" High Kick Plate, Add	8.19		
		For 6" High Kick Plate, Add	13.10		
		For Curved Rail, Add	48.62		
		For Mounting On Stairs, Add	28.98		
		For Mounting On Slopes, Add	9.66		
		For Post Base Flange With Screws, Add Per Post	20.61		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17		
		For Custom Design Or Shapes (Square Tops, etc.), Add	40.52		
		For Nylon Coating, Add	9.82		



Metals		05	05
Metal Fabrications		05 50	
Metal Railings		05 52	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	104.75	15.54
		For Schedule 80 Handrail, Add	15.01	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23	
		For 11 Gauge A513 Steel Tubing, Deduct	-16.20	
		For 12 Gauge A513 Steel Tubing, Deduct	-18.41	
		For 14 Gauge A513 Steel Tubing, Deduct	-24.30	
		For 16 Gauge A513 Steel Tubing, Deduct	-28.72	
		For ADA Handrail P-Loop End Return, Add Per Each	93.91	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	17.90	
		For Aluminum, Satin Finish, Add	30.93	
		For Aluminum, Clear Anodized Finish, Add	47.87	
		For Aluminum, Dark Anodized Finish, Add	55.24	
		For Galvanizing, Add	29.46	
		For Wrought Iron, Add	10.48	
		For Solid Steel Rails, Add	20.95	
		For 304 Stainless Steel, Add	235.68	
		For 316 Stainless Steel, Add	265.14	
		For 2" Wheel Guard, Add	7.00	
		For 4" High Kick Plate, Add	9.21	
		For 6" High Kick Plate, Add	14.73	
		For Curved Rail, Add	53.52	
		For Mounting On Stairs, Add	31.43	
		For Mounting On Slopes, Add	10.48	
		For Post Base Flange With Screws, Add Per Post	20.61	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17	
		For Custom Design Or Shapes (Square Tops, etc.), Add	44.60	
		For Nylon Coating, Add	11.05	
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	112.91	15.54
		For Schedule 80 Handrail, Add	15.01	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	102.57	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	74.50	
		For 11 Gauge A513 Steel Tubing, Deduct	-18.00	
		For 12 Gauge A513 Steel Tubing, Deduct	-20.45	
		For 14 Gauge A513 Steel Tubing, Deduct	-27.00	
		For 16 Gauge A513 Steel Tubing, Deduct	-31.91	
		For ADA Handrail P-Loop End Return, Add Per Each	105.86	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	19.61	
		For Aluminum, Satin Finish, Add	34.36	
		For Aluminum, Clear Anodized Finish, Add	53.18	
		For Aluminum, Dark Anodized Finish, Add	61.36	
		For Galvanizing, Add	32.72	
		For Wrought Iron, Add	11.29	
		For Solid Steel Rails, Add	22.58	
		For 304 Stainless Steel, Add	261.79	
		For 316 Stainless Steel, Add	294.52	
		For 2" Wheel Guard, Add	7.77	
		For 4" High Kick Plate, Add	10.23	
		For 6" High Kick Plate, Add	16.36	
		For Curved Rail, Add	58.42	
		For Mounting On Stairs, Add	33.87	
		For Mounting On Slopes, Add	11.29	
		For Post Base Flange With Screws, Add Per Post	20.61	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17	
		For Custom Design Or Shapes (Square Tops, etc.), Add	48.68	
		For Nylon Coating, Add	12.27	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024	LF		2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	131.08	15.54
			For Schedule 80 Handrail, Add	17.04	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	102.57	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	74.50	
			For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.52	
			For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	91.82	
			For 11 Gauge A513 Steel Tubing, Deduct	-22.00	
			For 12 Gauge A513 Steel Tubing, Deduct	-25.00	
			For 14 Gauge A513 Steel Tubing, Deduct	-32.99	
			For 16 Gauge A513 Steel Tubing, Deduct	-38.99	
			For ADA Handrail P-Loop End Return, Add Per Each	127.87	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	22.59	
			For Aluminum, Satin Finish, Add	41.99	
			For Aluminum, Clear Anodized Finish, Add	64.99	
			For Aluminum, Dark Anodized Finish, Add	74.99	
			For Galvanizing, Add	39.99	
			For Wrought Iron, Add	13.11	
			For Solid Steel Rails, Add	26.22	
			For 304 Stainless Steel, Add	319.94	
			For 316 Stainless Steel, Add	359.93	
			For 2" Wheel Guard, Add	9.50	
			For 4" High Kick Plate, Add	12.50	
			For 6" High Kick Plate, Add	20.00	
			For Curved Rail, Add	69.32	
			For Mounting On Stairs, Add	39.32	
			For Mounting On Slopes, Add	13.11	
			For Post Base Flange With Screws, Add Per Post	20.61	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17	
			For Custom Design Or Shapes (Square Tops, etc.), Add	57.77	
			For Nylon Coating, Add	15.00	
05 52 13 00-0025	LF		2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	152.38	15.54
			For Schedule 80 Handrail, Add	19.10	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	57.52	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	42.40	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.26	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	68.36	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	50.39	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	32.40	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	89.87	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.24	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.58	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	89.70	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	66.23	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	102.57	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	74.50	
			For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.52	
			For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	91.82	
			For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	131.61	
			For 11 Gauge A513 Steel Tubing, Deduct	-26.68	
			For 12 Gauge A513 Steel Tubing, Deduct	-30.32	
			For 14 Gauge A513 Steel Tubing, Deduct	-40.02	
			For 16 Gauge A513 Steel Tubing, Deduct	-47.30	
			For ADA Handrail P-Loop End Return, Add Per Each	174.84	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	26.15	
			For Aluminum, Satin Finish, Add	50.94	
			For Aluminum, Clear Anodized Finish, Add	78.83	
			For Aluminum, Dark Anodized Finish, Add	90.96	
			For Galvanizing, Add	48.51	
			For Wrought Iron, Add	15.24	
			For Solid Steel Rails, Add	30.48	
			For 304 Stainless Steel, Add	388.10	
			For 316 Stainless Steel, Add	436.61	
			For 2" Wheel Guard, Add	11.52	
			For 4" High Kick Plate, Add	15.16	
			For 6" High Kick Plate, Add	24.26	
			For Curved Rail, Add	82.10	
			For Mounting On Stairs, Add	45.71	
			For Mounting On Slopes, Add	15.24	
			For Post Base Flange With Screws, Add Per Post	20.61	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17	
			For Custom Design Or Shapes (Square Tops, etc.), Add	68.42	
			For Nylon Coating, Add	18.19	

05 52 13 00-0026

Railing Infill Panels (05 52 13)

Note: Includes field welds and touch-up of welds.



Metals		05	05
Metal Fabrications		05 50	
Metal Railings		05 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0027			Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026) Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF		Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.42	
05 52 13 00-0029	SF		Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.37	
05 52 13 00-0030	SF		Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.22	
05 52 13 00-0031	SF		Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	29.11	
05 52 13 00-0032			Perforated Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0033	SF		Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.12	
05 52 13 00-0034	SF		Galvanized Steel, Perforated Metal, Railing Infill Panel	15.64	
05 52 13 00-0035	SF		Aluminum, Perforated Metal, Railing Infill Panel	16.74	
05 52 13 00-0036	SF		Stainless Steel, Perforated Metal, Railing Infill Panel	33.59	
05 52 13 00-0037			Expanded Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0038	SF		Powder Coated Steel, Expanded Metal, Railing Infill Panel	6.82	
05 52 13 00-0039	SF		Galvanized Steel, Expanded Metal, Railing Infill Panel	13.94	
05 52 13 00-0040	SF		Aluminum, Expanded Metal, Railing Infill Panel	18.31	
05 52 13 00-0041	SF		Stainless Steel, Expanded Metal, Railing Infill Panel	27.29	
05 52 13 00-0042			Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13) Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043	LF		1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	38.88	6.66
			For Schedule 80 Handrail, Add	2.73	
			For 11 Gauge A513 Steel Tubing, Deduct	-4.89	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.56	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.34	
			For 16 Gauge A513 Steel Tubing, Deduct	-8.67	
			For Stainless Steel, Add	44.46	
			For Aluminum, Satin Finish, Add	9.34	
			For Curved Rail, Add	11.66	
			For Aluminum, Clear Anodized Finish, Add	14.45	
			For Aluminum, Dark Anodized Finish, Add	16.67	
			For Galvanized Finish, Add	6.67	
05 52 13 00-0044	LF		1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.60	6.66
			For Schedule 80 Handrail, Add	3.23	
			For 11 Gauge A513 Steel Tubing, Deduct	-5.05	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.74	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.57	
			For 16 Gauge A513 Steel Tubing, Deduct	-8.95	
			For Stainless Steel, Add	45.90	
			For Aluminum, Satin Finish, Add	9.64	
			For Curved Rail, Add	11.88	
			For Aluminum, Clear Anodized Finish, Add	14.92	
			For Aluminum, Dark Anodized Finish, Add	17.21	
			For Galvanized Finish, Add	6.69	
05 52 13 00-0045	LF		1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	40.32	6.66
			For Schedule 80 Handrail, Add	9.94	
			For 11 Gauge A513 Steel Tubing, Deduct	-5.21	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.92	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.81	
			For 16 Gauge A513 Steel Tubing, Deduct	-9.23	
			For Stainless Steel, Add	47.34	
			For Aluminum, Satin Finish, Add	9.94	
			For Curved Rail, Add	12.10	
			For Aluminum, Clear Anodized Finish, Add	15.39	
			For Aluminum, Dark Anodized Finish, Add	17.75	
			For Galvanized Finish, Add	7.10	
05 52 13 00-0046	LF		2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.56	6.66
			For Schedule 80 Handrail, Add	4.14	
			For 11 Gauge A513 Steel Tubing, Deduct	-7.02	
			For 12 Gauge A513 Steel Tubing, Deduct	-7.98	
			For 14 Gauge A513 Steel Tubing, Deduct	-10.53	
			For 16 Gauge A513 Steel Tubing, Deduct	-12.44	
			For Stainless Steel, Add	63.82	
			For Aluminum, Satin Finish, Add	13.40	
			For Curved Rail, Add	14.57	
			For Aluminum, Clear Anodized Finish, Add	20.74	
			For Aluminum, Dark Anodized Finish, Add	23.93	
			For Galvanized Finish, Add	9.57	
05 52 13 00-0047	LF		2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	55.38	6.66
			For Schedule 80 Handrail, Add	4.56	
			For 11 Gauge A513 Steel Tubing, Deduct	-8.52	
			For 12 Gauge A513 Steel Tubing, Deduct	-9.68	
			For 14 Gauge A513 Steel Tubing, Deduct	-12.78	
			For 16 Gauge A513 Steel Tubing, Deduct	-15.10	
			For Stainless Steel, Add	77.46	
			For Aluminum, Satin Finish, Add	16.27	
			For Curved Rail, Add	16.61	
			For Aluminum, Clear Anodized Finish, Add	25.17	
			For Aluminum, Dark Anodized Finish, Add	29.05	
			For Galvanized Finish, Add	11.62	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel**Pipe Railings** (05 52 13)

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	47.31	6.99
		For Schedule 80 Handrail, Add	2.73	
		For 11 Gauge A513 Steel Tubing, Deduct	-6.75	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.67	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.12	
		For 16 Gauge A513 Steel Tubing, Deduct	-11.96	
		For Stainless Steel, Add	61.32	
		For Aluminum, Satin Finish, Add	12.88	
		For Curved Rail, Add	14.19	
		For Aluminum, Clear Anodized Finish, Add	19.93	
		For Aluminum, Dark Anodized Finish, Add	23.00	
		For Galvanized Finish, Add	9.20	
05 52 13 00-0050	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.31	6.99
		For Schedule 80 Handrail, Add	3.23	
		For 11 Gauge A513 Steel Tubing, Deduct	-6.97	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.92	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.45	
		For 16 Gauge A513 Steel Tubing, Deduct	-12.35	
		For Stainless Steel, Add	63.32	
		For Aluminum, Satin Finish, Add	13.30	
		For Curved Rail, Add	14.49	
		For Aluminum, Clear Anodized Finish, Add	20.58	
		For Aluminum, Dark Anodized Finish, Add	23.75	
		For Galvanized Finish, Add	9.50	
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.07	6.99
		For Schedule 80 Handrail, Add	9.94	
		For 11 Gauge A513 Steel Tubing, Deduct	-7.13	
		For 12 Gauge A513 Steel Tubing, Deduct	-8.11	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.70	
		For 16 Gauge A513 Steel Tubing, Deduct	-12.64	
		For Stainless Steel, Add	64.84	
		For Aluminum, Satin Finish, Add	13.62	
		For Curved Rail, Add	14.72	
		For Aluminum, Clear Anodized Finish, Add	21.07	
		For Aluminum, Dark Anodized Finish, Add	24.32	
		For Galvanized Finish, Add	9.73	
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	60.58	6.99
		For Schedule 80 Handrail, Add	4.14	
		For 11 Gauge A513 Steel Tubing, Deduct	-9.66	
		For 12 Gauge A513 Steel Tubing, Deduct	-10.98	
		For 14 Gauge A513 Steel Tubing, Deduct	-14.50	
		For 16 Gauge A513 Steel Tubing, Deduct	-17.13	
		For Stainless Steel, Add	87.86	
		For Aluminum, Satin Finish, Add	18.45	
		For Curved Rail, Add	18.17	
		For Aluminum, Clear Anodized Finish, Add	28.55	
		For Aluminum, Dark Anodized Finish, Add	32.95	
		For Galvanized Finish, Add	13.18	
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	68.11	6.99
		For Schedule 80 Handrail, Add	4.56	
		For 11 Gauge A513 Steel Tubing, Deduct	-11.32	
		For 12 Gauge A513 Steel Tubing, Deduct	-12.87	
		For 14 Gauge A513 Steel Tubing, Deduct	-16.98	
		For 16 Gauge A513 Steel Tubing, Deduct	-20.07	
		For Stainless Steel, Add	102.92	
		For Aluminum, Satin Finish, Add	21.61	
		For Curved Rail, Add	20.43	
		For Aluminum, Clear Anodized Finish, Add	33.45	
		For Aluminum, Dark Anodized Finish, Add	38.60	
		For Galvanized Finish, Add	15.44	

05 52 13 00-0054 Remove/Reinstall Pipe Railing (05 52 13)

05 52 13 00-0055	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	24.99	
05 52 13 00-0056	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	33.04	
05 52 13 00-0057	EA	Install New Galvanized Steel Pipe Railing Bracket	67.22	
		For Stainless Steel, Add	67.80	

05 53 Metal Gratings (05 50)**05 53 13 Bar Gratings** (05 53)**05 53 13 00-0001 Welded Grating** (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0002			Steel, Welded Grating (05 53 13 00-0001) Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	14.27 0.22 2.01 37.97 3.45 1.28 -1.93	1.22
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	19.17 0.22 2.84 53.70 4.89 1.81 -2.05	1.22
05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	17.42 0.22 2.55 48.09 4.37 1.62 0.16 -2.01	1.22
05 53 13 00-0006	SF		1" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	24.07 0.22 3.68 69.43 6.32 2.34 0.16 -2.18	1.22
05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	30.71 0.22 4.81 90.75 8.25 3.05 0.16 -2.34	1.22
05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	20.60 0.22 3.09 58.29 5.30 1.96 0.16 -2.09	1.22
05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	28.68 0.22 4.46 84.23 7.66 2.83 0.16 -2.29	1.22
05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	23.79 0.22 3.63 68.53 6.23 2.31 0.16 -2.17	1.22
05 53 13 00-0011	SF		1-1/2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	34.11 0.22 5.29 99.86 9.08 3.36 0.16 -2.79	1.50

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	44.22	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.01	
		For 304 Stainless Steel, Add	132.32	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	12.04	
		For Crossbars At 2" On-Center, Add	4.45	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.04	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	39.04	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.13	
		For 304 Stainless Steel, Add	115.69	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	10.52	
		For Crossbars At 2" On-Center, Add	3.89	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.91	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating.....	43.66	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.91	
		For 304 Stainless Steel, Add	130.52	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	11.87	
		For Crossbars At 2" On-Center, Add	4.39	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.03	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	48.56	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.75	
		For 304 Stainless Steel, Add	146.25	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	13.30	
		For Crossbars At 2" On-Center, Add	4.92	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.15	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	53.18	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	8.53	
		For 304 Stainless Steel, Add	161.08	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	14.65	
		For Crossbars At 2" On-Center, Add	5.42	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.26	
05 53 13 00-0017		Pressure Locked Grating (05 53 13)		
		Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018		Steel, Pressure Locked Grating (05 53 13 00-0017)		
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating.....	27.11	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.05	
		For 304 Stainless Steel, Add	46.16	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	7.20	
		For Crossbars At 2" On-Center, Add	2.66	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.25	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating.....	33.41	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.08	
		For 304 Stainless Steel, Add	57.94	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	9.04	
		For Crossbars At 2" On-Center, Add	3.34	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.41	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating.....	29.80	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.49	
		For 304 Stainless Steel, Add	51.19	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	7.99	
		For Crossbars At 2" On-Center, Add	2.95	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.32	



	Metals	05	05
	Metal Fabrications	05 50	
	Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating.....	40.62	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	6.26		
		For 304 Stainless Steel, Add	71.43		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 7/16" On-Center, Add	55.36		
		For Bearing Bars At 15/16" On-Center, Add	11.15		
		For Crossbars At 2" On-Center, Add	4.12		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.59		
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating.....	33.41	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	5.08		
		For 304 Stainless Steel, Add	57.94		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	9.04		
		For Crossbars At 2" On-Center, Add	3.34		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.41		
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating.....	45.62	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	7.08		
		For 304 Stainless Steel, Add	80.79		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	12.61		
		For Crossbars At 2" On-Center, Add	4.66		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.71		
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating.....	37.19	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	5.70		
		For 304 Stainless Steel, Add	65.02		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	10.15		
		For Crossbars At 2" On-Center, Add	3.75		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.50		
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating.....	51.43	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	7.94		
		For 304 Stainless Steel, Add	90.61		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 7/16" On-Center, Add	70.22		
		For Bearing Bars At 15/16" On-Center, Add	14.14		
		For Crossbars At 2" On-Center, Add	5.23		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.22		
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating.....	56.71	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	8.81		
		For 304 Stainless Steel, Add	100.49		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	15.68		
		For Crossbars At 2" On-Center, Add	5.80		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.35		
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating.....	61.02	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	9.52		
		For 304 Stainless Steel, Add	108.56		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	16.94		
		For Crossbars At 2" On-Center, Add	6.27		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.46		
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating.....	65.15	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	10.19		
		For 304 Stainless Steel, Add	116.28		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	18.15		
		For Crossbars At 2" On-Center, Add	6.71		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.56		
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating.....	68.72	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	10.78		
		For 304 Stainless Steel, Add	122.96		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	19.19		
		For Crossbars At 2" On-Center, Add	7.10		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.65		

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating	17.22	1.22
			For Bearing Bars At 15/16" On-Center, Add	4.32	
			For Crossbars At 2" On-Center, Add	1.60	
			For Set In Place Without Bolting, Deduct	-2.00	
			For Powder Coating, Add	2.22	
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating	23.28	1.22
			For Bearing Bars At 15/16" On-Center, Add	6.09	
			For Crossbars At 2" On-Center, Add	2.25	
			For Set In Place Without Bolting, Deduct	-2.16	
			For Powder Coating, Add	3.13	
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating	21.98	1.22
			For Bearing Bars At 15/16" On-Center, Add	5.71	
			For Crossbars At 2" On-Center, Add	2.11	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.12	
			For Powder Coating, Add	2.93	
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating	29.82	1.22
			For Bearing Bars At 7/16" On-Center, Add	39.70	
			For Bearing Bars At 15/16" On-Center, Add	7.99	
			For Crossbars At 2" On-Center, Add	2.96	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.32	
			For Powder Coating, Add	4.11	
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating	25.43	1.22
			For Bearing Bars At 15/16" On-Center, Add	6.71	
			For Crossbars At 2" On-Center, Add	2.48	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.21	
			For Powder Coating, Add	3.45	
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating	33.97	1.22
			For Bearing Bars At 15/16" On-Center, Add	9.21	
			For Crossbars At 2" On-Center, Add	3.41	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.42	
			For Powder Coating, Add	4.73	
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating	28.67	1.22
			For Bearing Bars At 15/16" On-Center, Add	7.66	
			For Crossbars At 2" On-Center, Add	2.83	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.29	
			For Powder Coating, Add	3.93	
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating	38.25	1.22
			For Bearing Bars At 7/16" On-Center, Add	51.92	
			For Bearing Bars At 15/16" On-Center, Add	10.46	
			For Crossbars At 2" On-Center, Add	3.87	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.53	
			For Powder Coating, Add	5.37	
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating	42.35	1.22
			For Bearing Bars At 15/16" On-Center, Add	11.65	
			For Crossbars At 2" On-Center, Add	4.31	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.63	
			For Powder Coating, Add	5.99	
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating	47.21	1.22
			For Bearing Bars At 15/16" On-Center, Add	13.07	
			For Crossbars At 2" On-Center, Add	4.84	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.75	
			For Powder Coating, Add	6.72	
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating	51.03	1.22
			For Bearing Bars At 15/16" On-Center, Add	14.19	
			For Crossbars At 2" On-Center, Add	5.25	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.85	
			For Powder Coating, Add	7.29	
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating	55.57	1.22
			For Bearing Bars At 15/16" On-Center, Add	15.51	
			For Crossbars At 2" On-Center, Add	5.74	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.96	
			For Powder Coating, Add	7.97	

05 53 13 00-0044 Swage Locked Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating.....	44.47	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.87	
			For 304 Stainless Steel, Add	69.69	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	26.90	
			For Crossbars At 2" On-Center, Add	3.36	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.69	
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating	49.65	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.34	
			For 304 Stainless Steel, Add	78.27	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	30.21	
			For Crossbars At 2" On-Center, Add	3.78	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.82	
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating	54.26	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.72	
			For 304 Stainless Steel, Add	84.99	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	32.81	
			For Crossbars At 2" On-Center, Add	4.10	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.29	
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating	62.21	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.45	
			For 304 Stainless Steel, Add	98.17	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	37.89	
			For Crossbars At 2" On-Center, Add	4.74	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.49	
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating.....	70.19	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	6.18	
			For 304 Stainless Steel, Add	111.40	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	43.00	
			For Crossbars At 2" On-Center, Add	5.38	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.69	
05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating	78.13	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	6.91	
			For 304 Stainless Steel, Add	124.57	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	48.08	
			For Crossbars At 2" On-Center, Add	6.01	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.89	
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating	86.11	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	7.65	
			For 304 Stainless Steel, Add	137.80	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	53.19	
			For Crossbars At 2" On-Center, Add	6.65	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-4.09	
05 53 13 00-0053			Aluminum Grating, Type 6063, Swage Locked (05 53 13 00-0044)		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating.....	20.31	1.22
			For Bearing Bars At 15/16" On-Center, Add	11.44	
			For Crossbars At 2" On-Center, Add	1.43	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.08	
			For Powder Coating, Add	2.68	
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating.....	26.29	1.22
			For Bearing Bars At 15/16" On-Center, Add	15.26	
			For Crossbars At 2" On-Center, Add	1.91	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.23	
			For Powder Coating, Add	3.58	
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating.....	23.00	1.22
			For Bearing Bars At 15/16" On-Center, Add	13.16	
			For Crossbars At 2" On-Center, Add	1.64	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.15	
			For Powder Coating, Add	3.08	

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating.....	30.31	1.22
		For Bearing Bars At 15/16" On-Center, Add	17.84	
		For Crossbars At 2" On-Center, Add	2.23	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.33	
		For Powder Coating, Add	4.18	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating.....	26.18	1.22
		For Bearing Bars At 15/16" On-Center, Add	15.19	
		For Crossbars At 2" On-Center, Add	1.90	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.23	
		For Powder Coating, Add	3.56	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating.....	34.62	1.22
		For Bearing Bars At 15/16" On-Center, Add	20.60	
		For Crossbars At 2" On-Center, Add	2.57	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.44	
		For Powder Coating, Add	4.83	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating.....	39.58	1.22
		For Bearing Bars At 15/16" On-Center, Add	23.77	
		For Crossbars At 2" On-Center, Add	2.97	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.56	
		For Powder Coating, Add	5.57	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating.....	44.52	1.22
		For Bearing Bars At 15/16" On-Center, Add	26.93	
		For Crossbars At 2" On-Center, Add	3.37	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.69	
		For Powder Coating, Add	6.31	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating.....	49.48	1.22
		For Bearing Bars At 15/16" On-Center, Add	30.11	
		For Crossbars At 2" On-Center, Add	3.76	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.81	
		For Powder Coating, Add	7.06	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating.....	54.42	1.22
		For Bearing Bars At 15/16" On-Center, Add	33.27	
		For Crossbars At 2" On-Center, Add	4.16	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.93	
		For Powder Coating, Add	7.80	
05 53 13 00-0064		Riveted Grating (05 53 13)		
		Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065		Steel, Riveted Grating (05 53 13 00-0064)		
		Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating.....	84.64	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.95	
		For 304 Stainless Steel, Add	70.61	
		For 5/8" Clear Opening, Add	28.36	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.69	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating.....	99.69	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.67	
		For 304 Stainless Steel, Add	83.54	
		For 5/8" Clear Opening, Add	33.55	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.07	
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating.....	91.57	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.28	
		For 304 Stainless Steel, Add	76.56	
		For 5/8" Clear Opening, Add	30.75	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.86	
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating.....	105.42	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.94	
		For 304 Stainless Steel, Add	88.46	
		For 5/8" Clear Opening, Add	35.53	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.21	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating.....	97.31	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.55	
		For 304 Stainless Steel, Add	81.49	
		For 5/8" Clear Opening, Add	32.73	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.01	



	Metals	05	05
	Metal Fabrications	05 50	
	Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0071 SF 1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	116.10 0.22 5.46 97.63 39.21 0.16 -4.48	1.22
05 53 13 00-0072 SF 1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	103.39 0.22 4.82 86.24 34.63 0.16 -4.52	1.50
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	123.48 0.22 5.78 103.49 41.57 0.16 -5.02	1.50
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	133.73 0.22 6.28 112.30 45.10 0.16 -5.28	1.50
05 53 13 00-0075 SF 2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	156.62 0.22 7.37 131.96 53.00 0.16 -5.85	1.50
05 53 13 00-0076 SF 2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	164.60 0.22 7.76 138.81 55.75 0.16 -6.05	1.50
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	171.70 0.22 8.10 144.91 58.20 0.16 -6.23	1.50
05 53 13 00-0078 Aluminum, Riveted Grating (05 53 13 00-0064) Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	43.24 14.08 6.12 -2.65	1.22
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	51.31 16.86 7.33 -2.86	1.22
05 53 13 00-0081 SF 1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	47.55 15.56 0.16 6.77 -2.76	1.22
05 53 13 00-0082 SF 1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	55.44 18.29 0.16 7.95 -2.96	1.22
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	53.32 17.55 0.16 7.63 -2.91	1.22
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	64.27 21.33 0.16 9.27 -3.18	1.22
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	57.27 18.92 0.16 8.22 -3.01	1.22

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating	71.16	1.22
For 5/8" Clear Opening, Add	23.71	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	10.31	
For Set In Place Without Bolting, Deduct	-3.35	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating	78.45	1.22
For 5/8" Clear Opening, Add	26.22	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	11.40	
For Set In Place Without Bolting, Deduct	-3.54	
05 53 13 00-0088 SF 2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating	93.42	1.22
For 5/8" Clear Opening, Add	31.39	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	13.65	
For Set In Place Without Bolting, Deduct	-3.91	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating	101.91	1.22
For 5/8" Clear Opening, Add	34.32	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	14.92	
For Set In Place Without Bolting, Deduct	-4.12	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating	113.30	1.22
For 5/8" Clear Opening, Add	38.25	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	16.63	
For Set In Place Without Bolting, Deduct	-4.41	

05 53 16 Plank Gratings (05 53)**05 53 16 00-0001 Grate-Lock Steel Plank Grating** (05 53 16)

Note: Smooth or traction grip surface.

05 53 16 00-0002 SF 1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	18.25	0.94
For Stair Tread Application, Add	2.11	
05 53 16 00-0003 SF 2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	19.47	1.17
For Stair Tread Application, Add	2.30	
05 53 16 00-0004 SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating	20.54	1.27
For Stair Tread Application, Add	2.44	
05 53 16 00-0005 SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating	22.42	1.39
For Stair Tread Application, Add	2.66	
05 53 16 00-0006 SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	22.22	1.06
For Stair Tread Application, Add	2.54	
05 53 16 00-0007 SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	23.64	1.27
For Stair Tread Application, Add	2.75	
05 53 16 00-0008 SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	27.28	1.22
For Stair Tread Application, Add	3.09	
05 53 16 00-0009 SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	29.04	1.50
For Stair Tread Application, Add	3.35	
05 53 16 00-0010 SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating	31.07	1.89
For Stair Tread Application, Add	3.67	
05 53 16 00-0011 SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating	34.29	2.11
For Stair Tread Application, Add	4.06	

05 54 Metal Floor Plates (05 50)**05 54 00 00-0001 Steel Floor Plates** (05 54)

05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates	17.92	1.45
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates	20.48	1.45
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates	25.63	1.45
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates	34.28	1.55
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates	43.50	1.66

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	31.04	1.22
For Powder Coating, Add	4.29	
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	35.62	1.45
For Powder Coating, Add	4.93	
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	40.22	1.55
For Powder Coating, Add	5.57	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	39.23	1.66
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	46.90	1.89
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	60.78	2.22

05 55 Metal Stair Treads and Nosings (05 50)**05 55 13 Metal Stair Treads** (05 55)**05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads** (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.



Metals		05	05
Metal Fabrications		05 50	
Metal Stair Treads and Nosings		05 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0002 LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	75.85 15.94	7.56
05 55 13 00-0003 LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	83.45 17.84	7.56
05 55 13 00-0004 LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	91.04 19.74	7.56
05 55 13 00-0005 LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	98.67 21.64	7.56
05 55 13 00-0006 LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	106.23 23.53	7.56
05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13) Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008 LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	105.34	7.56
05 55 13 00-0009 LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	116.61	7.56
05 55 13 00-0010 LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	127.90	7.56
05 55 13 00-0011 LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	139.16	7.56
05 55 13 00-0012 LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	150.45	7.56
05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014 LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	40.28	7.56
05 55 13 00-0015 LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	47.17	7.56
05 55 13 00-0016 LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	50.21	7.56
05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018 LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	59.30 4.78 3.59	7.56
05 55 13 00-0019 LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	59.87 4.78 3.59	7.56
05 55 13 00-0020 LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	72.26 4.78 3.59	7.56
05 55 13 00-0021 LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	83.12 4.78 3.59	7.56
05 55 13 00-0022 LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	97.28 4.78 3.59	7.56
05 55 13 00-0023 Stair Landing Treads (05 55 13)		
05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads..... <i>For 3/8" Thick, Add</i>	106.23 23.53	7.56
05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027 SF 3/8" Thick, Abrasive Cast Iron Landing Treads.....	150.45	7.56
05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0023) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029 SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <i>For Epoxy Sealed For Corrosive Environment, Add</i>	98.52 4.78	7.56
05 55 13 00-0030 Open Cast Iron Stair Tread (05 55 13) Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031 RSR 3'-6" Wide, Open Cast Iron Stair Tread <i>For Closed Riser, Add</i>	625.26 53.45	44.42
05 55 13 00-0032 RSR 4'-0" Wide, Open Cast Iron Stair Tread <i>For Closed Riser, Add</i>	703.08 59.94	51.09
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread <i>For Closed Riser, Add</i>	775.49 66.03	59.97
05 55 16 Metal Stair Nosings (05 55)		

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
05 55 16 00-0001	Abrasive Cast Aluminum Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.				
05 55 16 00-0002	LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	32.17		5.16	
	For 3/8" Thick, Add	5.98			
05 55 16 00-0003	LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	39.51		5.16	
	For 3/8" Thick, Add	7.82			
05 55 16 00-0004	LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	55.87		5.16	
	For 3/8" Thick, Add	11.91			
05 55 16 00-0005	Abrasive Cast Iron Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.				
05 55 16 00-0006	LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	37.53		5.16	
	For 3/8" Thick, Add	7.32			
05 55 16 00-0007	LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	46.57		5.16	
	For 3/8" Thick, Add	9.58			
05 55 16 00-0008	LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	64.44		5.16	
	For 3/8" Thick, Add	14.05			
05 55 16 00-0009	Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings (05 55 16) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.				
05 55 16 00-0010	LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	27.20		5.16	
05 55 16 00-0011	LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	30.74		5.16	
05 55 16 00-0012	LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	33.44		5.16	
05 55 16 00-0013	LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	41.83		5.16	
05 55 16 00-0014	LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	28.15		5.16	
05 55 16 00-0015	LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	31.17		5.16	
05 55 16 00-0016	LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	34.16		5.16	
05 55 16 00-0017	LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	32.34		5.16	
05 56 Metal Castings (05 50)					
05 56 00 00-0001	Castings (05 56)				
05 56 00 00-0002	LB Up To 150 Lb., Miscellaneous Castings, Light Section.....	4.99		0.55	
05 56 00 00-0003	LB >150 Lb., Miscellaneous Castings, Heavy Section.....	8.40		0.44	
05 58 Formed Metal Fabrications (05 50)					
05 58 16 Formed Metal Enclosures (05 58)					
05 58 16 00-0001	Drip Pan (05 58 16)				
05 58 16 00-0002	SF Stainless Steel Drip Pan.....	117.89		7.24	
05 58 16 00-0003	SF Galvanized Steel Drip Pan.....	116.46		7.24	
05 58 16 00-0004	SF Aluminum Drip Pan.....	81.77		5.79	
05 58 16 00-0005	SF Plastic Drip Pan.....	21.37		5.07	
05 58 23 Formed Metal Guards (05 58)					
05 58 23 00-0001	Protective Guard Rails (05 58 23) Note: Includes painted finish.				
05 58 23 00-0002	2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001) Note: Steel King Armor Guard.				
05 58 23 00-0003	Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002) Note: Excludes posts. Includes fasteners.				
05 58 23 00-0004	EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	218.54		24.75	
05 58 23 00-0005	EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	256.57		24.75	
05 58 23 00-0006	EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	292.44		24.75	
05 58 23 00-0007	EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	330.47		24.75	
05 58 23 00-0008	EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	366.54		24.75	
05 58 23 00-0009	EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	413.31		24.75	
05 58 23 00-0010	EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	445.17		24.75	
05 58 23 00-0011	EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	494.50		24.75	
05 58 23 00-0012	EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	526.87		24.75	
05 58 23 00-0013	EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	550.00		24.75	
05 58 23 00-0014	Posts For 2-Rib Guard Rails (05 58 23 00-0002) Note: Includes drilling, surface mounting plate and anchors.				
05 58 23 00-0015	EA 12" Height, Single Rail Post For 2-Rib Guard Rails.....	440.25		51.57	
05 58 23 00-0016	EA 42" Height, Triple Rail Post For 2-Rib Guard Rails.....	572.32		51.57	
05 58 23 00-0017	3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001) Note: Steel King Steel Guard.				



Metals		05
Metal Fabrications		05 50
Formed Metal Fabrications		05 58

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)			
Note: Excludes posts. Includes fasteners.			
05 58 23 00-0019	EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	241.46	24.75
05 58 23 00-0020	EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	266.74	24.75
05 58 23 00-0021	EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	298.30	24.75
05 58 23 00-0022	EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	327.79	24.75
05 58 23 00-0023	EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	361.92	24.75
05 58 23 00-0024	EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	378.36	24.75
05 58 23 00-0025	EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	417.93	24.75
05 58 23 00-0026	EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	451.33	24.75
05 58 23 00-0027	EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	486.79	24.75
05 58 23 00-0028	EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	522.76	24.75
05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)			
Note: Excludes posts. Includes fasteners and lift-out mounting plate.			
05 58 23 00-0030	EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	355.24	24.75
05 58 23 00-0031	EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	382.99	24.75
05 58 23 00-0032	EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	411.76	24.75
05 58 23 00-0033	EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	445.17	24.75
05 58 23 00-0034	EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	478.57	24.75
05 58 23 00-0035	EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	505.81	24.75
05 58 23 00-0036	EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	537.15	24.75
05 58 23 00-0037	EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	572.61	24.75
05 58 23 00-0038	EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	610.64	24.75
05 58 23 00-0039	EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	644.04	24.75
05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017)			
Note: Includes drilling, surface mounting plate and anchors.			
05 58 23 00-0041	EA 18" Height, Single Rail Post For 3-Rib Guard Rails	387.63	51.57
05 58 23 00-0042	EA 42" Height, Double Rail Post For 3-Rib Guard Rails	494.72	51.57
05 58 23 00-0043 All-Welded, Protective Guards (05 58 23)			
Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.			
05 58 23 00-0044 All-Welded, Protective Guards (05 58 23 00-0043)			
05 58 23 00-0045	EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	505.98	68.75
05 58 23 00-0046	EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	531.67	68.75
05 58 23 00-0047	EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	546.58	68.75
05 58 23 00-0048	EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	568.67	68.75
05 58 23 00-0049	EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	563.53	68.75
05 58 23 00-0050	EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	590.77	68.75
05 58 23 00-0051	EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	598.48	68.75
05 58 23 00-0052	EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	607.21	68.75
05 58 23 00-0053	EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	648.84	68.75
05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)			
05 58 23 00-0055	EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	665.28	68.75
05 58 23 00-0056	EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	696.12	68.75
05 58 23 00-0057	EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	708.96	68.75
05 58 23 00-0058	EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	772.17	68.75
05 58 23 00-0059 Warehouse Safety Bollards (05 58 23)			
Note: Includes painted finish, drilling, surface mounting plate and anchors.			
05 58 23 00-0060	EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	314.93	51.57
05 58 23 00-0061	EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	365.70	51.57
05 58 23 00-0062	EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	419.45	51.57
05 58 23 00-0063	EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	434.15	51.57
05 58 23 00-0064	EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	468.07	51.57
05 59 Metal Specialties (05 50)			
05 59 65 Metal Chain (05 59)			
05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65)			
Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.			
05 59 65 00-0002	LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.94	1.08
	For Plastic Dipped, Add	0.57	
05 59 65 00-0003	LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.39	1.43
	For Plastic Dipped, Add	0.83	
05 59 65 00-0004	LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.18	2.86
	For Plastic Dipped, Add	1.12	
05 59 65 00-0005	LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	21.11	4.83
	For Plastic Dipped, Add	1.72	
05 59 65 00-0006	LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	35.63	8.16
	For Plastic Dipped, Add	2.90	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0007	LF		3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	50.01 4.07	11.45
05 59 65 00-0008	LF		7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	68.36 5.96	14.32
05 59 65 00-0009	LF		1" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	99.10 9.14	19.08
05 59 65 00-0010	LF		1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	161.53 15.64	28.63
05 59 65 00-0011 316L Stainless Steel Chain, Cut Length (05 59 65)					
05 59 65 00-0012	CLF		1/8" Diameter 316L Stainless Steel Chain, Cut Length.....	2,814.57	95.41
05 59 65 00-0013	CLF		3/16" Diameter 316L Stainless Steel Chain, Cut Length.....	3,463.83	114.53
05 59 65 00-0014	CLF		9/32" Diameter 316L Stainless Steel Chain, Cut Length.....	4,342.05	143.18
05 59 65 00-0015	CLF		5/16" Diameter 316L Stainless Steel Chain, Cut Length.....	5,866.14	190.93
05 59 65 00-0016	CLF		3/8" Diameter 316L Stainless Steel Chain, Cut Length.....	6,666.40	286.34
05 59 65 00-0017	CLF		1/2" Diameter 316L Stainless Steel Chain, Cut Length.....	10,056.13	477.27

END OF SECTION 05



Thermal And Moisture Protection			07
Dampproofing and Waterproofing			07 10
Dampproofing			07 11

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 10 Dampproofing and Waterproofing⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing^(07 10)

07 11 13 Bituminous Dampproofing^(07 11)

07 11 13 00-0001	Fibrous Asphalt Dampproofing, Brush, Roller Or Spray ^(07 11 13)		
07 11 13 00-0002	CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	213.71	
07 11 13 00-0003	CSF 2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	332.41	
07 11 13 00-0004	Fibrous Asphalt Dampproofing, Troweled On ^(07 11 13)		
07 11 13 00-0005	CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	364.52	
07 11 13 00-0006	CSF Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	560.98	
07 11 13 00-0007	Asphaltic Paint Dampproofing ^(07 11 13)		
07 11 13 00-0008	CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On	173.05	
07 11 13 00-0009	CSF 2 Coats, Brushed On, Asphaltic Paint Dampproofing	319.37	

07 11 19 Sheet Dampproofing^(07 11)

07 11 19 00-0001	Neoprene ^(07 11 19)		
07 11 19 00-0002	SF 5 To 20 SF, 1/16" Patch Neoprene Roof	46.95	

07 13 Sheet Waterproofing^(07 10)

07 13 13 Bituminous Sheet Waterproofing^(07 13)

07 13 13 00-0001	15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped ^(07 13 13)		
07 13 13 00-0002	CSF 1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	395.75	140.75
	For 30 Lb. Felt, Add	85.68	
	For Application To Horizontal Surfaces, Deduct	-42.23	
07 13 13 00-0003	CSF 2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	496.46	158.35
	For 30 Lb. Felt, Add	134.82	
	For Application To Horizontal Surfaces, Deduct	-47.51	
07 13 13 00-0004	CSF 3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	597.17	175.94
	For 30 Lb. Felt, Add	183.96	
	For Application To Horizontal Surfaces, Deduct	-52.78	
07 13 13 00-0005	CSF 4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	697.87	193.54
	For 30 Lb. Felt, Add	233.10	
	For Application To Horizontal Surfaces, Deduct	-58.06	
07 13 13 00-0006	CSF 5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	798.58	211.13
	For 30 Lb. Felt, Add	282.24	
	For Application To Horizontal Surfaces, Deduct	-63.34	

07 13 13 00-0007 Asphalt Coated Protective Board^(07 13 13)

07 13 13 00-0008	CSF 1/8" Asphalt Coated Protective Board	345.51	142.89
	For Application To Horizontal Surfaces, Deduct	-47.66	
07 13 13 00-0009	CSF 1/4" Asphalt Coated Protective Board	434.92	148.38
	For Application To Horizontal Surfaces, Deduct	-49.46	
07 13 13 00-0010	CSF 3/8" Asphalt Coated Protective Board	542.47	154.61
	For Application To Horizontal Surfaces, Deduct	-51.52	
07 13 13 00-0011	CSF 1/2" Asphalt Coated Protective Board	599.13	160.84
	For Application To Horizontal Surfaces, Deduct	-53.63	

07 13 53 Elastomeric Sheet Waterproofing^(07 13)

07 13 53 00-0001	Rubberized Membrane Sheet ^(07 13 53)		
07 13 53 00-0002	SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	9.05	1.48
	For Floor Surfaces, Deduct	-1.43	
07 13 53 00-0003	Ethylene Propylene Diene Monomer (EPDM) ^(07 13 53)		
07 13 53 00-0004	CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	570.90	208.64
	For Application To Horizontal Surfaces, Deduct	-62.58	
07 13 53 00-0005	CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	641.83	208.64
	For Application To Horizontal Surfaces, Deduct	-62.58	

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 13 Sheet Waterproofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0006			Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007	CSF		1/32" Butyl Sheet Waterproofing.....	115.51	52.16
			For Joint Taping, Add	17.80	
			For Each Additional Ply, Add	86.08	
			For Application To Horizontal Surfaces, Deduct	-7.84	
07 13 53 00-0008	CSF		1/16" Butyl Sheet Waterproofing.....	135.64	52.16
			For Joint Taping, Add	18.80	
			For Each Additional Ply, Add	100.18	
			For Application To Horizontal Surfaces, Deduct	-7.84	
07 13 53 00-0009			Butyl With Nylon (07 13 53)		
07 13 53 00-0010	CSF		1/32" Butyl Elastomeric Waterproofing With Nylon	127.02	52.16
			For Joint Taping, Add	18.37	
			For Each Additional Ply, Add	94.14	
			For Application To Horizontal Surfaces, Deduct	-7.84	
07 13 53 00-0011	CSF		1/16" Butyl Elastomeric Waterproofing With Nylon	139.96	52.16
			For Joint Taping, Add	19.02	
			For Each Additional Ply, Add	103.20	
			For Application To Horizontal Surfaces, Deduct	-7.84	
07 13 53 00-0012			Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013	CSF		1/32" Neoprene Sheet Waterproofing	193.21	52.16
			For Joint Taping, Add	21.68	
			For Each Additional Ply, Add	140.47	
			For Application To Horizontal Surfaces, Deduct	-7.84	
07 13 53 00-0014	CSF		1/16" Neoprene Sheet Waterproofing	278.87	52.16
			For Joint Taping, Add	25.97	
			For Each Additional Ply, Add	200.44	
			For Application To Horizontal Surfaces, Deduct	-7.84	
07 13 53 00-0015			Neoprene With Nylon (07 13 53)		
07 13 53 00-0016	CSF		1/32" Neoprene Elastomeric Waterproofing With Nylon	202.15	52.16
			For Joint Taping, Add	22.13	
			For Each Additional Ply, Add	146.73	
			For Application To Horizontal Surfaces, Deduct	-7.84	
07 13 53 00-0017	CSF		1/16" Neoprene Elastomeric Waterproofing With Nylon	293.15	52.16
			For Joint Taping, Add	26.68	
			For Each Additional Ply, Add	210.43	
			For Application To Horizontal Surfaces, Deduct	-7.84	
07 13 53 00-0018			Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019	CSF		4 Mil Polyethylene Vapor Barrier	44.64	16.77
			For Joint Taping, Add	10.77	
			For Each Additional Ply, Add	34.96	
			For Application To Horizontal Surfaces, Deduct	-5.57	
07 13 53 00-0020	CSF		6 Mil Polyethylene Vapor Barrier	46.23	16.77
			For Joint Taping, Add	10.85	
			For Each Additional Ply, Add	36.07	
			For Application To Horizontal Surfaces, Deduct	-5.57	
07 13 53 00-0021	CSF		10 Mil Polyethylene Vapor Barrier	73.32	16.77
			For Joint Taping, Add	12.20	
			For Each Additional Ply, Add	55.04	
			For Application To Horizontal Surfaces, Deduct	-5.57	
07 13 53 00-0022	CSF		60 Mil Polyethylene Vapor Barrier With Bentonite	152.69	16.77
			Note: Includes seam tape, liquid mastic, anchors and termination bar.		
			For Each Additional Ply, Add	111.01	
			For Application To Horizontal Surfaces, Deduct	-6.19	
07 13 53 00-0023			Polyvinyl Chloride (PVC) Vapor Barrier (07 13 53)		
07 13 53 00-0024	CSF		10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	60.68	18.56
			For Joint Taping, Add	11.57	
			For Each Additional Ply, Add	46.19	
			For Application To Horizontal Surfaces, Deduct	-5.57	
07 13 53 00-0025	CSF		20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	79.23	19.24
			For Joint Taping, Add	12.82	
			For Each Additional Ply, Add	59.31	
			For Application To Horizontal Surfaces, Deduct	-5.78	
07 13 53 00-0026	CSF		30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	104.13	19.93
			For Joint Taping, Add	14.38	
			For Each Additional Ply, Add	76.88	
			For Application To Horizontal Surfaces, Deduct	-5.98	
07 13 53 00-0027			Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028	CSF		4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	53.13	17.18



Thermal And Moisture Protection	07	07
Dampproofing and Waterproofing	07 10	
Fluid-Applied Waterproofing	07 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 14 Fluid-Applied Waterproofing (07 10)

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)

07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface	2.85	
		Note: Includes primer.		
		For Application To Horizontal Surfaces, Deduct	-0.27	
		For Reinforcing Fabric, Add	0.62	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	3.32	
		Note: Includes primer.		
		For Application To Horizontal Surfaces, Deduct	-0.28	
		For Reinforcing Fabric, Add	0.62	

07 14 16 Cold Fluid-Applied Waterproofing (07 14)

07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)

07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.04	
		For Application To Horizontal Surfaces, Deduct	-0.63	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.67	
		For Application To Horizontal Surfaces, Deduct	-0.66	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	6.36	
		For Application To Horizontal Surfaces, Deduct	-0.70	

07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)

07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer.....	3.66	

07 14 16 00-0007 Copolymer Compound (07 14 16)

07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs.....	5.75	

07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)

07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	671.86	
		For Application To Horizontal Surfaces, Deduct	-76.01	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	1,264.99	
		For Application To Horizontal Surfaces, Deduct	-149.10	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	2,032.20	
		For Application To Horizontal Surfaces, Deduct	-223.54	

07 16 Cementitious and Reactive Waterproofing (07 10)

07 16 13 Polymer Modified Cement Waterproofing (07 16)

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....	5.09	
		Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		

07 16 16 Crystalline Waterproofing (07 16)

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate).....	6.16	

07 16 19 Metal Oxide Waterproofing (07 16)

07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat.

07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....	547.12	
		For Application To Horizontal Surfaces, Deduct	-69.16	

07 19 Water Repellents (07 10)

07 19 13 Acrylic Sealer (07 19)

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	3.20	
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	3.81	
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	4.19	

07 19 16 Silane Water Repellents (07 19)

07 19 16 00-0001 Silane Concrete Sealer (07 19 16)

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.82	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.19	

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 19 Water Repellents**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
07 19 16 00-0004		Silane/Siloxane Concrete Sealer ^(07 19 16)				
07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)		1.37		
		Note: 40% silane, alcohol based.				
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)		1.99		
		Note: 40% silane, alcohol based.				
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)		0.53		
		Note: 200 SF/GAL				
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)		0.77		

END OF SECTION 07



		Finishes	09
		Maintenance of Finishes	09 01
		Maintenance of Painting and Coating	09 01 90

09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes (09)

09 01 90 Maintenance of Painting and Coating (09 01)

09 01 90 52 Maintenance Repainting (09 01 90)

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces (09 01 90 52)

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.

09 01 90 52-0002 Concrete, Stone And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete, Stone Or Masonry Surfaces, Surface Preparation	0.63
		For Up To 100, Add	0.46
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 15,000, Deduct	-0.06
		For >15,000 To 30,000, Deduct	-0.09
		For >30,000, Deduct	-0.13
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.62
		For Up To 100, Add	1.11
		For >100 To 250, Add	0.29
		For >250 To 500, Add	0.14
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 15,000, Deduct	-0.06
		For >15,000 To 30,000, Deduct	-0.09
		For >30,000, Deduct	-0.12
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.98
		For Up To 100, Add	1.69
		For >100 To 250, Add	0.45
		For >250 To 500, Add	0.22
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 15,000, Deduct	-0.09
		For >15,000 To 30,000, Deduct	-0.14
		For >30,000, Deduct	-0.19
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	1.55
		For Up To 100, Add	3.10
		For >100 To 250, Add	0.78
		For >250 To 500, Add	0.39
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 15,000, Deduct	-0.16
		For >15,000 To 30,000, Deduct	-0.23
		For >30,000, Deduct	-0.31
09 01 90 52-0007	SF	Steam Clean, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.88
		For Up To 100, Add	1.52
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.20
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 15,000, Deduct	-0.08
		For >15,000 To 30,000, Deduct	-0.13
		For >30,000, Deduct	-0.17
09 01 90 52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.57
		For Up To 100, Add	0.93
		For >100 To 250, Add	0.25
		For >250 To 500, Add	0.12
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 15,000, Deduct	-0.05
		For >15,000 To 30,000, Deduct	-0.08
		For >30,000, Deduct	-0.11
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	1.59
		For Up To 100, Add	2.87
		For >100 To 250, Add	0.74
		For >250 To 500, Add	0.37
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 15,000, Deduct	-0.15
		For >15,000 To 30,000, Deduct	-0.23
		For >30,000, Deduct	-0.31
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	2.59
		For Up To 100, Add	4.87
		For >100 To 250, Add	1.24
		For >250 To 500, Add	0.62
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 15,000, Deduct	-0.25
		For >15,000 To 30,000, Deduct	-0.38
		For >30,000, Deduct	-0.51

09 Finishes**09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0011 SF Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation 4.00 Note: 3 Lb. of sand or glass abrasive media material per SF For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add 2.32 For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add 4.81 For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add 8.00 For Up To 100, Add 6.86 For >100 To 250, Add 1.81 For >250 To 500, Add 0.89 For >5,000 To 10,000, Deduct -0.18 For >10,000 To 15,000, Deduct -0.37 For >15,000 To 30,000, Deduct -0.58 For >30,000, Deduct -0.76		
09 01 90 52-0012 Metal Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0013 SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation 0.60 For Up To 100, Add 0.44 For >100 To 250, Add 0.20 For >250 To 500, Add 0.09 For >5,000 To 10,000, Deduct -0.03 For >10,000 To 15,000, Deduct -0.06 For >15,000 To 30,000, Deduct -0.09 For >30,000, Deduct -0.12		
09 01 90 52-0014 SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation 0.98 For Up To 100, Add 0.60 For >100 To 250, Add 0.28 For >250 To 500, Add 0.12 For >5,000 To 10,000, Deduct -0.05 For >10,000 To 15,000, Deduct -0.09 For >15,000 To 30,000, Deduct -0.14 For >30,000, Deduct -0.19		
09 01 90 52-0015 SF Hand Scraping And Sanding, Metal Surfaces, Surface Preparation 1.25 For Up To 100, Add 0.94 For >100 To 250, Add 0.44 For >250 To 500, Add 0.19 For >5,000 To 10,000, Deduct -0.06 For >10,000 To 15,000, Deduct -0.13 For >15,000 To 30,000, Deduct -0.19 For >30,000, Deduct -0.25		
09 01 90 52-0016 SF 2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation 0.54 For Up To 100, Add 0.32 For >100 To 250, Add 0.15 For >250 To 500, Add 0.06 For >5,000 To 10,000, Deduct -0.02 For >10,000 To 15,000, Deduct -0.05 For >15,000 To 30,000, Deduct -0.08 For >30,000, Deduct -0.10		
09 01 90 52-0017 SF Power Tool Cleaning, Metal Surfaces, Surface Preparation 1.53 For Up To 100, Add 1.15 For >100 To 250, Add 0.54 For >250 To 500, Add 0.23 For >5,000 To 10,000, Deduct -0.08 For >10,000 To 15,000, Deduct -0.15 For >15,000 To 30,000, Deduct -0.23 For >30,000, Deduct -0.31		
09 01 90 52-0018 SF Steam Cleaning, Metal Surfaces, Surface Preparation 0.55 For Up To 100, Add 0.29 For >100 To 250, Add 0.14 For >250 To 500, Add 0.06 For >5,000 To 10,000, Deduct -0.02 For >10,000 To 15,000, Deduct -0.05 For >15,000 To 30,000, Deduct -0.08 For >30,000, Deduct -0.10		
09 01 90 52-0019 SF Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation 1.18 For Up To 100, Add 0.73 For >100 To 250, Add 0.34 For >250 To 500, Add 0.15 For >5,000 To 10,000, Deduct -0.05 For >10,000 To 15,000, Deduct -0.11 For >15,000 To 30,000, Deduct -0.17 For >30,000, Deduct -0.23		
09 01 90 52-0020 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation 1.61 For Up To 100, Add 0.97 For >100 To 250, Add 0.45 For >250 To 500, Add 0.19 For >5,000 To 10,000, Deduct -0.07 For >10,000 To 15,000, Deduct -0.15 For >15,000 To 30,000, Deduct -0.23 For >30,000, Deduct -0.31		
09 01 90 52-0021 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation 2.37 For Up To 100, Add 1.46 For >100 To 250, Add 0.68 For >250 To 500, Add 0.29 For >5,000 To 10,000, Deduct -0.11 For >10,000 To 15,000, Deduct -0.22 For >15,000 To 30,000, Deduct -0.34 For >30,000, Deduct -0.45		



		Finishes	09	09
		Maintenance of Finishes	09 01	
		Maintenance of Painting and Coating	09 01 90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0022	SF		Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	3.95	
			For Up To 100, Add	2.42	
			For >100 To 250, Add	1.13	
			For >250 To 500, Add	0.48	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 15,000, Deduct	-0.37	
			For >15,000 To 30,000, Deduct	-0.57	
			For >30,000, Deduct	-0.75	
09 01 90 52-0023	SF		Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.02	
			For Up To 100, Add	1.82	
			For >100 To 250, Add	0.85	
			For >250 To 500, Add	0.36	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 15,000, Deduct	-0.28	
			For >15,000 To 30,000, Deduct	-0.44	
			For >30,000, Deduct	-0.57	
09 01 90 52-0024	SF		Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.74	
			For Up To 100, Add	2.24	
			For >100 To 250, Add	1.05	
			For >250 To 500, Add	0.45	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 15,000, Deduct	-0.34	
			For >15,000 To 30,000, Deduct	-0.54	
			For >30,000, Deduct	-0.71	
09 01 90 52-0025	SF		Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.84	
			For Up To 100, Add	2.91	
			For >100 To 250, Add	1.36	
			For >250 To 500, Add	0.58	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 15,000, Deduct	-0.45	
			For >15,000 To 30,000, Deduct	-0.70	
			For >30,000, Deduct	-0.92	
09 01 90 52-0026	SF		Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	6.05	
			For Up To 100, Add	3.64	
			For >100 To 250, Add	1.70	
			For >250 To 500, Add	0.73	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000 To 15,000, Deduct	-0.56	
			For >15,000 To 30,000, Deduct	-0.87	
			For >30,000, Deduct	-1.15	
09 01 90 52-0027			Tile Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0028	SF		Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.55	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90 52-0029	CSF		Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	54.31	
			For Up To 100, Add	40.46	
			For >100 To 250, Add	18.88	
			For >250 To 500, Add	8.09	
			For >5,000 To 10,000, Deduct	-2.71	
			For >10,000 To 15,000, Deduct	-5.42	
			For >15,000 To 30,000, Deduct	-8.14	
			For >30,000, Deduct	-10.84	
09 01 90 52-0030	SF		2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.39	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.07	
09 01 90 52-0031			Wood Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0032	SF		Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.57	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90 52-0033	SF		Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.81	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.15	

09 Finishes**09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0034	SF		Hand Scrape Wood Surfaces, Surface Preparation.....	0.93	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.14	
			For >30,000, Deduct	-0.19	
09 01 90 52-0035	SF		Steam Clean Wood Surfaces, Surface Preparation	0.86	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.16	
09 01 90 52-0036	SF		2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.58	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90 52-0037	SF		Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	1.12	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.11	
			For >15,000 To 30,000, Deduct	-0.17	
			For >30,000, Deduct	-0.22	
09 01 90 52-0038	SF		Sanding Wood Trim Surfaces, Surface Preparation	1.52	
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 15,000, Deduct	-0.15	
			For >15,000 To 30,000, Deduct	-0.23	
			For >30,000, Deduct	-0.30	
09 01 90 52-0039	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.82	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 15,000, Deduct	-0.18	
			For >15,000 To 30,000, Deduct	-0.27	
			For >30,000, Deduct	-0.36	
09 01 90 52-0040	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.99	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.14	
			For >30,000, Deduct	-0.19	
09 01 90 52-0041	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	1.15	
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.11	
			For >15,000 To 30,000, Deduct	-0.17	
			For >30,000, Deduct	-0.22	
09 01 90 52-0042			Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0043	SF		Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.55	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90 52-0044	SF		Hand Wash, Vinyl Siding Surfaces, Surface Preparation	0.86	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.17	



Finishes		09
Maintenance of Finishes		09 01
Maintenance of Painting and Coating		09 01 90

09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0045	SF		2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.49	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 01 90 52-0046	SF		Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.91	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.17	
09 01 90 52-0047			Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001)		
			Note: Based on total project quantity.		
09 01 90 52-0048	SF		Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.63	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.13	
09 01 90 52-0049	SF		2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.63	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 01 90 52-0050			Prep Work (09 01 90 52-0001)		
09 01 90 52-0051	SF		Citrus Strip, Single Applications.....	1.46	
			Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		
09 01 90 91			Paint Restoration (09 01 90)		
09 01 90 91-0001			Paint Removal, Strip To Bare Wood (09 01 90 91)		
09 01 90 91-0002	SF		Flat Surfaces, Paint Removal, Strip To Bare Wood.....	9.91	
09 01 90 91-0003	SF		Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	10.55	
09 90			Painting and Coating (09)		
			Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in.		
09 91			Painting (09 90)		
09 91 13			Exterior Painting (09 91)		
			Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.		
09 91 13 00-0001			Paint Exterior Walls/Siding (09 91 13)		
09 91 13 00-0002			Paint Exterior Brick Walls (09 91 13 00-0001)		
09 91 13 00-0003	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls.....	0.30	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.04	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.10	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.14	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0004	SF	1	Coat Filler, Brush Work, Paint Exterior Brick Walls.....	1.29	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0005	SF	1	Coat Paint, Brush Work, Paint Exterior Brick Walls	1.82	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.60	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.83	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0006	SF	2	Coats Paint, Brush Work, Paint Exterior Brick Walls.....	2.66	
			For Oil Based Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.80	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.11	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.61	
			For >100 To 250, Add	0.77	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.40	
			For >20,000, Deduct	-0.53	
09 91 13 00-0007	SF	1	Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.88	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0008	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.44	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0009 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls.....	2.15	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.56	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.78	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 91 13 00-0010 SF 1 Coat Filler, Sprayed, Paint Exterior Brick Walls.....	0.79	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0011 SF 1 Coat Paint, Sprayed, Paint Exterior Brick Walls.....	0.83	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.15	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0012 SF 2 Coats Paint, Sprayed, Paint Exterior Brick Walls.....	1.73	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	

09 91 13 00-0013 Paint Exterior Concrete Walls (09 91 13 00-0001)

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0014	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.19	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.12	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 13 00-0015	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.09	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0016	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.17	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91 13 00-0017	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	2.21	
			For Oil Based Paint, Add	0.13	
			For Epoxy Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.46	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.01	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.44	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0018	SF	1	Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls.....	0.89	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0019	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.99	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0020	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.68	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.72	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 13 00-0021	SF	1	Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.72	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0022	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.65	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0023	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.14	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0024			Paint Exterior Concrete Block Walls (09 91 13 00-0001)		
09 91 13 00-0025			Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0024)		
09 91 13 00-0026	LF		1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.28	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.12	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.06	
09 91 13 00-0027	SF		1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls.....	1.54	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.45	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.62	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	



Finishes		09	09
Painting and Coating		09 90	
Painting		09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0028	SF	1	Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls 1.76		
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 91 13 00-0029	SF	2	Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls 3.07		
			For Work >15' To 20' Above Floor, Add	0.34	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.56	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.90	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.80	
			For >100 To 250, Add	0.87	
			For >250 To 500, Add	0.38	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.31	
			For >10,000 To 20,000, Deduct	-0.46	
			For >20,000, Deduct	-0.61	
09 91 13 00-0030	SF	1	Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls 1.27		
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0031	SF	1	Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls 1.40		
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0032	SF	2	Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls 2.50		
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.67	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.92	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.38	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.50	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0033	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	.....	0.97	
		For Work >15' To 20' Above Floor, Add		0.07	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.12	
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add		0.18	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.25	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.42	
		For >100 To 250, Add		0.21	
		For >250 To 500, Add		0.09	
		For >2,500 To 5,000, Deduct		-0.05	
		For >5,000 To 10,000, Deduct		-0.10	
		For >10,000 To 20,000, Deduct		-0.15	
		For >20,000, Deduct		-0.19	
09 91 13 00-0034	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	.....	1.06	
		For Work >15' To 20' Above Floor, Add		0.08	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.14	
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add		0.22	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.30	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.49	
		For >100 To 250, Add		0.24	
		For >250 To 500, Add		0.11	
		For >2,500 To 5,000, Deduct		-0.05	
		For >5,000 To 10,000, Deduct		-0.11	
		For >10,000 To 20,000, Deduct		-0.16	
		For >20,000, Deduct		-0.21	
09 91 13 00-0035	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	.....	2.08	
		For Work >15' To 20' Above Floor, Add		0.15	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.26	
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add		0.41	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.56	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.92	
		For >100 To 250, Add		0.46	
		For >250 To 500, Add		0.21	
		For >2,500 To 5,000, Deduct		-0.10	
		For >5,000 To 10,000, Deduct		-0.21	
		For >10,000 To 20,000, Deduct		-0.31	
		For >20,000, Deduct		-0.42	
09 91 13 00-0036		Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0024)	.....	0.27	
09 91 13 00-0037	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	.....	0.27	
		For Oil Based Paint, Add		0.02	
		For Work >15' To 20' Above Floor, Add		0.03	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.05	
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add		0.08	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.12	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.17	
		For >100 To 250, Add		0.08	
		For >250 To 500, Add		0.03	
		For >2,500 To 5,000, Deduct		-0.01	
		For >5,000 To 10,000, Deduct		-0.03	
		For >10,000 To 20,000, Deduct		-0.04	
		For >20,000, Deduct		-0.05	
09 91 13 00-0038	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	.....	1.40	
		For Oil Based Paint, Add		0.08	
		For Work >15' To 20' Above Floor, Add		0.17	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.28	
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add		0.45	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.62	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.88	
		For >100 To 250, Add		0.42	
		For >250 To 500, Add		0.18	
		For >2,500 To 5,000, Deduct		-0.07	
		For >5,000 To 10,000, Deduct		-0.14	
		For >10,000 To 20,000, Deduct		-0.21	
		For >20,000, Deduct		-0.28	



Finishes		09	9
Painting and Coating		09 90	
Painting		09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0039 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.66	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.71	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.02	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0040 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls.....	3.04	
For Oil Based Paint, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.35	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.58	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.92	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.84	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.38	
For >2,500 To 5,000, Deduct	-0.15	
For >5,000 To 10,000, Deduct	-0.30	
For >10,000 To 20,000, Deduct	-0.46	
For >20,000, Deduct	-0.61	
09 91 13 00-0041 SF 1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.86	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.79	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.14	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 13 00-0042 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.11	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0043 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.42	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0044 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	2.45	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.68	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.94	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.39	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.49	
09 91 13 00-0045 SF 1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.59	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0046 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.99	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0047 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.06	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0048 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.61	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	



Finishes		09
Painting and Coating		09 90
Painting		09 91

09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0049	SF	1	Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.34	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0050			Paint Exterior Metal Walls (09 91 13 00-0001)		
09 91 13 00-0051			Paint Exterior Galvanized Walls (09 91 13 00-0050)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0052	SF	1	Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.37	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 13 00-0053	SF	1	Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.52	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 13 00-0054	SF	2	Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.76	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.80	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.11	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.62	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.55	
09 91 13 00-0055	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.03	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0056	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.18	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0057	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	2.22	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 13 00-0058	SF	1	Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.81	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0059	SF	1	Coat Paint, Sprayed, Paint Exterior Galvanized Walls	1.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0060	SF	2	Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.79	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0061			Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0050)		
			Note: Alkyd enamel paint.		



Finishes		09	09
Painting and Coating		09 90	
Painting		09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0062	SF	1	Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.37	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 13 00-0063	SF	1	Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.52	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 13 00-0064	SF	2	Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.75	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.80	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.11	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.62	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.55	
09 91 13 00-0065	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.15	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0066	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.29	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0067	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.44	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	
09 91 13 00-0068	SF		1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.89	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0069	SF		1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0070	SF		2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.79	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0071			Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0050)		
09 91 13 00-0072	LF		1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	16.01	
			For Work >15' To 20' Above Floor, Add	2.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	3.47	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	5.55	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	7.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	10.72	
			For >100 To 250, Add	5.07	
			For >250 To 500, Add	2.19	
			For >2,500 To 5,000, Deduct	-0.80	
			For >5,000 To 10,000, Deduct	-1.60	
			For >10,000 To 20,000, Deduct	-2.40	
			For >20,000, Deduct	-3.20	



Finishes		09	09
Painting and Coating		09 90	
Painting		09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0073	LF	1	Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	17.82	
			For Work >15' To 20' Above Floor, Add	2.31	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	3.85	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	6.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	8.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	11.92	
			For >100 To 250, Add	5.63	
			For >250 To 500, Add	2.43	
			For >2,500 To 5,000, Deduct	-0.89	
			For >5,000 To 10,000, Deduct	-1.78	
			For >10,000 To 20,000, Deduct	-2.67	
			For >20,000, Deduct	-3.56	
09 91 13 00-0074	LF	2	Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	33.25	
			For Work >15' To 20' Above Floor, Add	4.34	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	7.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	11.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	15.93	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	22.36	
			For >100 To 250, Add	10.57	
			For >250 To 500, Add	4.56	
			For >2,500 To 5,000, Deduct	-1.66	
			For >5,000 To 10,000, Deduct	-3.33	
			For >10,000 To 20,000, Deduct	-4.99	
			For >20,000, Deduct	-6.65	
09 91 13 00-0075			Paint Exterior Corrugated Metal Walls (09 91 13 00-0050).....	1.01	
09 91 13 00-0076	SF	1	Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	-0.05	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct		
09 91 13 00-0077	SF	1	Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.32	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0078	SF	2	Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	2.22	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0079			Paint Exterior Stucco Walls (09 91 13 00-0001)		
09 91 13 00-0080	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces.....	0.33	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.04	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.07	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.11	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.15	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 13 00-0081	SF		1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.86	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 13 00-0082	SF		1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	2.04	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.34	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 13 00-0083	SF		2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	3.80	
			For Oil Based Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.47	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.79	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.46	
			For >100 To 250, Add	1.17	
			For >250 To 500, Add	0.51	
			For >2,500 To 5,000, Deduct	-0.19	
			For >5,000 To 10,000, Deduct	-0.38	
			For >10,000 To 20,000, Deduct	-0.57	
			For >20,000, Deduct	-0.76	
09 91 13 00-0084	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.42	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	



Finishes		09	9
Painting and Coating		09 90	
Painting		09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0085 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.60	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.01	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0086 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	2.96	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.35	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.58	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.92	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.83	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.38	
For >2,500 To 5,000, Deduct	-0.15	
For >5,000 To 10,000, Deduct	-0.30	
For >10,000 To 20,000, Deduct	-0.44	
For >20,000, Deduct	-0.59	
09 91 13 00-0087 SF 1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	0.98	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0088 SF 1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.20	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0089 SF 2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.29	
For Oil Based Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.62	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.85	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.27	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.46	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0090			Paint Exterior Wood Siding (09 91 13 00-0001)		
09 91 13 00-0091			Paint Exterior Smooth Wood Siding (09 91 13 00-0090)		
			Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0092	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding.....	0.28	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.13	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.06	
09 91 13 00-0093	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.57	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.69	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.31	
09 91 13 00-0094	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.66	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.55	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.76	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0095	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	2.96	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.36	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.60	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.96	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.89	
			For >100 To 250, Add	0.90	
			For >250 To 500, Add	0.39	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.44	
			For >20,000, Deduct	-0.59	



Finishes		09	9
Painting and Coating		09 90	
Painting		09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0096 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.24	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0097 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.35	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0098 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	2.55	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.76	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.05	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.52	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.51	
09 91 13 00-0099 SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding.....	0.93	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0100 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.12	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0101	SF		2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.80	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0102			Paint Exterior Rough Wood Siding (09 91 13 00-0090)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0103	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.10	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.42	
09 91 13 00-0104	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.09	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.45	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.72	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.00	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.42	
09 91 13 00-0105	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	3.86	
			For Oil Based Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.50	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.83	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.82	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.57	
			For >100 To 250, Add	1.21	
			For >250 To 500, Add	0.52	
			For >2,500 To 5,000, Deduct	-0.19	
			For >5,000 To 10,000, Deduct	-0.39	
			For >10,000 To 20,000, Deduct	-0.58	
			For >20,000, Deduct	-0.77	



Finishes		09	2
Painting and Coating		09 90	
Painting		09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0106	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding.....	1.88	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.51	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.70	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.38	
09 91 13 00-0107	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	2.04	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.79	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 13 00-0108	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding.....	3.78	
			For Oil Based Paint, Add	0.25	
			For Work >15' To 20' Above Floor, Add	0.39	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.65	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.03	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.12	
			For >100 To 250, Add	1.02	
			For >250 To 500, Add	0.45	
			For >2,500 To 5,000, Deduct	-0.19	
			For >5,000 To 10,000, Deduct	-0.38	
			For >10,000 To 20,000, Deduct	-0.57	
			For >20,000, Deduct	-0.76	
09 91 13 00-0109	SF	1	Coat Primer, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding.....	1.28	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0110	SF	1	Coat Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding.....	1.44	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0111	SF		2 Coats Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	2.72	
			For Oil Based Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.43	
			For >100 To 250, Add	0.70	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.54	
09 91 13 00-0112			Paint Exterior Vinyl Siding (09 91 13 00-0001)		
09 91 13 00-0113	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.21	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.13	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 13 00-0114	SF		1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	1.18	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0115	SF		1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.30	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0116	SF		2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	2.41	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.39	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 13 00-0117	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.09	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0118	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.09	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0119	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	2.03	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.71	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.41	
09 91 13 00-0120	SF		1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.92	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0121	SF		1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding.....	1.06	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0122	SF		2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding.....	2.09	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.42	
09 91 13 00-0123			Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0124			Paint Exterior Concrete Ceilings (09 91 13 00-0123)		
09 91 13 00-0125	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling.....	0.22	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 13 00-0126	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	1.23	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.25	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0127	SF	1	Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.33	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0128	SF	2	Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	2.37	
			For Oil Based Paint, Add	0.14	
			For Epoxy Paint, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.80	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.56	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.47	
09 91 13 00-0129	SF	1	Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.95	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0130	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.04	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0131	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.95	
			For Oil Based Paint, Add	0.12	
			For Epoxy Paint, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 13 00-0132	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.74	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0133	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.85	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0134	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.39	
			For Oil Based Paint, Add	0.09	
			For Epoxy Paint, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	

09 91 13 00-0135 Paint Exterior Wood Ceilings (09 91 13 00-0123)

09 91 13 00-0136 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0135)



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0137	LF	1	Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling.....	0.26	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.12	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	
09 91 13 00-0138	SF	1	Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.51	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.65	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 13 00-0139	SF	1	Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.57	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.71	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.31	
09 91 13 00-0140	SF	2	Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	2.85	
			For Oil Based Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.35	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.58	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.92	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.27	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.81	
			For >100 To 250, Add	0.86	
			For >250 To 500, Add	0.37	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.29	
			For >10,000 To 20,000, Deduct	-0.43	
			For >20,000, Deduct	-0.57	
09 91 13 00-0141	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.23	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.25	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0142	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.32	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0143	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	2.37	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.39	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.47	
09 91 13 00-0144	SF		1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.90	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0145	SF		1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.90	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0146	SF		2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.63	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.33	



Finishes		09	09
Painting and Coating		09 90	
Painting		09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0147			Paint Exterior Rough Wood Ceilings (09 91 13 00-0135)		
09 91 13 00-0148	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling.....	2.26	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.45	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.72	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.99	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.42	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	
09 91 13 00-0149	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	2.29	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.80	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.11	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.55	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.46	
09 91 13 00-0150	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	4.00	
			For Oil Based Paint, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.52	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.86	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.90	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.67	
			For >100 To 250, Add	1.26	
			For >250 To 500, Add	0.55	
			For >2,500 To 5,000, Deduct	-0.20	
			For >5,000 To 10,000, Deduct	-0.40	
			For >10,000 To 20,000, Deduct	-0.60	
			For >20,000, Deduct	-0.80	
09 91 13 00-0151	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	2.04	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.79	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 13 00-0152	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	2.18	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	3.91	
			For Oil Based Paint, Add	0.26	
			For Work >15' To 20' Above Floor, Add	0.41	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.68	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.49	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.21	
			For >100 To 250, Add	1.07	
			For >250 To 500, Add	0.47	
			For >2,500 To 5,000, Deduct	-0.20	
			For >5,000 To 10,000, Deduct	-0.39	
			For >10,000 To 20,000, Deduct	-0.59	
			For >20,000, Deduct	-0.78	
09 91 13 00-0154	SF		1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.43	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.29	
09 91 13 00-0155	SF		1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.58	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 13 00-0156	SF		2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	2.88	
			For Oil Based Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.47	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.02	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.55	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.29	
			For >10,000 To 20,000, Deduct	-0.43	
			For >20,000, Deduct	-0.58	
09 91 13 00-0157			Paint Exterior Metal Ceilings (09 91 13 00-0123)		
09 91 13 00-0158			Paint Exterior Galvanized Ceilings (09 91 13 00-0157)		
			Note: Linseed oil or acrylic latex paint.		



Finishes		09	09
Painting and Coating		09 90	
Painting		09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0159	SF		1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling.....	1.52	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 13 00-0160	SF		1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.66	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.71	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0161	SF		2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	3.04	
			For Work >15' To 20' Above Floor, Add	0.35	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.58	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.92	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.27	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.84	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.46	
			For >20,000, Deduct	-0.61	
09 91 13 00-0162	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.17	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91 13 00-0163	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.31	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0164	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	2.33	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.38	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.47	
09 91 13 00-0165	SF		1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling.....	1.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0166	SF		1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	1.19	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0167	SF		2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	1.94	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 13 00-0168			Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0157)		
			Note: Alkyd enamel paint.		
09 91 13 00-0169	SF		1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.52	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170	SF	1	Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling 1.66		
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.71	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0171	SF	2	Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling 3.04		
			For Work >15' To 20' Above Floor, Add	0.35	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.58	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.92	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.27	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.84	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.46	
			For >20,000, Deduct	-0.61	
09 91 13 00-0172	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling 1.29		
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0173	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling 1.43		
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.29	
09 91 13 00-0174	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling 2.58		
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.42	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.52	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175	SF	1	Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0176	SF	1	Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0177	SF	2	Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.94	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 13 00-0178			Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0157)	1.16	
09 91 13 00-0179	SF	1	Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.16	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0180	SF	1	Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.32	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	



		Finishes	09	09
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181	SF		2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	2.41	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.57	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.78	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.21	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 13 00-0182			Paint Exterior Floors (09 91 13)		
09 91 13 00-0183			Paint Exterior Concrete Floors (09 91 13 00-0182)		
09 91 13 00-0184	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks.....	0.17	
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.03	
09 91 13 00-0185	SF		1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks.....	0.95	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.12	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0186	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.04	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0187	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.95	
			For Oil Based Paint, Add	0.12	
			For Epoxy Paint, Add	0.21	
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 13 00-0188	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.79	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0189	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.90	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0190 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.49	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.19	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 13 00-0191 SF 1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.59	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0192 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.69	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0193 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	1.23	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.20	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0194 SF 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.36	
For Up To 100, Add	0.79	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.47	
09 91 13 00-0195 SF 1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.53	
For Up To 100, Add	1.26	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.28	
For >5,000 To 10,000, Deduct	-0.55	
For >10,000 To 20,000, Deduct	-0.83	
For >20,000, Deduct	-1.11	
09 91 13 00-0196 SF 1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.85	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.41	
For >2,500 To 5,000, Deduct	-0.34	
For >5,000 To 10,000, Deduct	-0.69	
For >10,000 To 20,000, Deduct	-1.03	
For >20,000, Deduct	-1.37	
09 91 13 00-0197 Paint Exterior Wood Floors (09 91 13 00-0182)	0.22	
09 91 13 00-0198 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.22	
For Up To 100, Add	0.14	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 13 00-0199 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	1.19	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	



Finishes		09
Painting and Coating		09 90
Painting		09 91

2

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0200	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.28	
		For Oil Based Paint, Add	0.08	
		For Up To 100, Add	0.79	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.26	
09 91 13 00-0201	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.41	
		For Oil Based Paint, Add	0.15	
		For Up To 100, Add	1.48	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.31	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.36	
		For >20,000, Deduct	-0.48	
09 91 13 00-0202	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	1.09	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.60	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	
09 91 13 00-0203	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.18	
		For Oil Based Paint, Add	0.08	
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 13 00-0204	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.94	
		For Oil Based Paint, Add	0.13	
		For Up To 100, Add	1.07	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.23	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000, Deduct	-0.39	
09 91 13 00-0205	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.74	
		For Oil Based Paint, Add	0.05	
		For Up To 100, Add	0.39	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 91 13 00-0206	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	0.90	
		For Oil Based Paint, Add	0.06	
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
09 91 13 00-0207	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	1.48	
		For Oil Based Paint, Add	0.10	
		For Up To 100, Add	0.78	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.30	
09 91 13 00-0208	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.50	
		For Up To 100, Add	0.89	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.25	
		For >10,000 To 20,000, Deduct	-0.38	
		For >20,000, Deduct	-0.50	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0209	SF		1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	6.99	
			For Up To 100, Add	1.56	
			For >100 To 250, Add	0.91	
			For >250 To 500, Add	0.44	
			For >2,500 To 5,000, Deduct	-0.35	
			For >5,000 To 10,000, Deduct	-0.70	
			For >10,000 To 20,000, Deduct	-1.05	
			For >20,000, Deduct	-1.40	
09 91 13 00-0210			Paint Metal Surfaces (09 91 13)		
			Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0211			Paint Structural Steel (09 91 13 00-0210)		
09 91 13 00-0212			Paint Structural Steel, Brush Work (09 91 13 00-0211)		
09 91 13 00-0213	SF		1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.29	
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For Epoxy Paint, Add	0.14	
09 91 13 00-0214	SF		1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	1.14	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0215			Paint Structural Steel, Spray Work (09 91 13 00-0211)		
09 91 13 00-0216	SF		1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	0.88	
			For Electrostatic Painting, Add	0.13	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For Epoxy Paint, Add	0.12	
09 91 13 00-0217	SF		1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.74	
			For Electrostatic Painting, Add	0.11	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0218			Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0211)		
09 91 13 00-0219	SF		1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	1.00	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0220	SF		1 Coat Paint, Sprayed, Paint Exposed Metal Decking	1.00	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0221	SF		2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.67	
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For Epoxy Paint, Add	0.23	
09 91 13 00-0222	SF		1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.57	
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For Epoxy Paint, Add	0.22	
09 91 13 00-0223	SF		1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.53	
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0224	SF		2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.90	
			For Up To 100, Add	1.67	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.35	
			For Epoxy Paint, Add	0.40	
09 91 13 00-0225	SF		1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.22	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For Epoxy Paint, Add	0.17	
09 91 13 00-0226	SF		1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.22	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For Epoxy Paint, Add	0.17	



		Finishes	09	9
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0227	SF		2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists.....	2.08	
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For Epoxy Paint, Add	0.32	
09 91 13 00-0228 Paint Steel Pipes (09 91 13 00-0210)					
			Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0229	LF		1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.16	
			For Electrostatic Painting, Add	0.27	
			For Epoxy Paint, Add	0.22	
09 91 13 00-0230	LF		1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.42	
			For Electrostatic Painting, Add	0.31	
			For Epoxy Paint, Add	0.25	
09 91 13 00-0231	LF		1 Coat Primer, 4" Diameter, Paint Steel Pipes.....	2.73	
			For Electrostatic Painting, Add	0.35	
			For Epoxy Paint, Add	0.28	
09 91 13 00-0232	LF		1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	3.41	
			For Electrostatic Painting, Add	0.43	
			For Epoxy Paint, Add	0.35	
09 91 13 00-0233	LF		1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	4.32	
			For Electrostatic Painting, Add	0.54	
			For Epoxy Paint, Add	0.44	
09 91 13 00-0234	LF		1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.16	
			For Electrostatic Painting, Add	0.27	
			For Epoxy Paint, Add	0.22	
09 91 13 00-0235	LF		1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.42	
			For Electrostatic Painting, Add	0.31	
			For Epoxy Paint, Add	0.25	
09 91 13 00-0236	LF		1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.73	
			For Electrostatic Painting, Add	0.35	
			For Epoxy Paint, Add	0.28	
09 91 13 00-0237	LF		1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes.....	3.41	
			For Electrostatic Painting, Add	0.43	
			For Epoxy Paint, Add	0.35	
09 91 13 00-0238	LF		1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes.....	4.32	
			For Electrostatic Painting, Add	0.54	
			For Epoxy Paint, Add	0.44	
09 91 13 00-0239	LF		2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	4.38	
			For Electrostatic Painting, Add	0.58	
			For Epoxy Paint, Add	0.51	
09 91 13 00-0240	LF		2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	4.84	
			For Electrostatic Painting, Add	0.61	
			For Epoxy Paint, Add	0.50	
09 91 13 00-0241	LF		2 Coats Paint, 4" Diameter, Paint Steel Pipes	5.23	
			For Electrostatic Painting, Add	0.67	
			For Epoxy Paint, Add	0.55	
09 91 13 00-0242	LF		2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes.....	6.61	
			For Electrostatic Painting, Add	0.84	
			For Epoxy Paint, Add	0.68	
09 91 13 00-0243	LF		2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes.....	8.14	
			For Electrostatic Painting, Add	1.04	
			For Epoxy Paint, Add	0.86	
09 91 13 00-0244	EA		1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	10.71	
			For Electrostatic Painting, Add	1.13	
			For Epoxy Paint, Add	0.65	
09 91 13 00-0245 Paint Metal Louvers (09 91 13 00-0210)					
09 91 13 00-0246	SF		1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	1.79	
			For Electrostatic Painting, Add	0.21	
09 91 13 00-0247	SF		1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.82	
			For Electrostatic Painting, Add	0.22	
09 91 13 00-0248	SF		2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	3.72	
			For Electrostatic Painting, Add	0.45	
09 91 13 00-0249 Paint Ladders (09 91 13 00-0210)					
09 91 13 00-0250	LF		1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders.....	4.89	
			For Epoxy Paint, Add	0.30	
09 91 13 00-0251	LF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	5.46	
			For Epoxy Paint, Add	0.33	
09 91 13 00-0252	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	10.78	
			For Epoxy Paint, Add	0.61	
09 91 13 00-0253 Paint Handrails (09 91 13 00-0210)					
09 91 13 00-0254	LF		1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	1.95	
			For Epoxy Paint, Add	0.15	
09 91 13 00-0255	LF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	2.16	
			For Epoxy Paint, Add	0.16	
09 91 13 00-0256	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	3.56	
			For Epoxy Paint, Add	0.23	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0257	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	3.54 0.44	
09 91 13 00-0258	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	3.88 0.45	
09 91 13 00-0259	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	6.65 0.72	
09 91 13 00-0260	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	3.81 0.45	
09 91 13 00-0261	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	4.18 0.47	
09 91 13 00-0262	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	7.06 0.74	
09 91 13 00-0263	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades..... <i>For Epoxy Paint, Add</i>	2.13 0.24	
09 91 13 00-0264	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades..... <i>For Epoxy Paint, Add</i>	2.35 0.25	
09 91 13 00-0265	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades..... <i>For Epoxy Paint, Add</i>	4.28 0.47	
09 91 13 00-0266 Paint Grating (09 91 13 00-0210)				
09 91 13 00-0267	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames..... <i>For Epoxy Paint, Add</i>	3.57 0.24	
09 91 13 00-0268	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames..... <i>For Epoxy Paint, Add</i>	3.63 0.26	
09 91 13 00-0269	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames..... <i>For Epoxy Paint, Add</i>	5.43 0.42	
09 91 13 00-0270 Equipment And Tanks (09 91 13 00-0210)				
09 91 13 00-0271 Paint Valves (09 91 13 00-0270)				
Note: Includes 1 coat primer and 1 coat paint finish				
09 91 13 00-0272	EA	Prime And Paint 4" Diameter And Smaller Valve.....	36.84	
09 91 13 00-0273	EA	Prime And Paint 6" To 10" Diameter Valve.....	45.16	
09 91 13 00-0274	EA	Prime And Paint 12" To 18" Diameter Valve.....	59.41	
09 91 13 00-0275	EA	Prime And Paint 20" To 24" Diameter Valve.....	79.61	
09 91 13 00-0276	EA	Prime And Paint >24" To 36" Diameter Valve.....	108.13	
09 91 13 00-0277	EA	Prime And Paint >36" To 48" Diameter Valve.....	147.34	
09 91 13 00-0278 Paint Pumps And Motors (09 91 13 00-0270)				
Note: Includes 1 coat primer and 1 coat paint finish				
09 91 13 00-0279	EA	Prime And Paint Pump Under 1 HP.....	112.89	
09 91 13 00-0280	EA	Prime And Paint Pump, 1 HP To 5 HP.....	148.55	
09 91 13 00-0281	EA	Prime And Paint Pump, >5 HP To 10 HP.....	178.27	
09 91 13 00-0282	EA	Prime And Paint Pump, >10 HP To 20 HP.....	199.67	
09 91 13 00-0283	EA	Prime And Paint Pump, >20 HP To 30 HP.....	232.95	
09 91 13 00-0284	EA	Prime And Paint Pump, >30 HP To 50 HP.....	266.22	
09 91 13 00-0285	EA	Prime And Paint Pump, >50 HP To 75 HP.....	293.58	
09 91 13 00-0286	EA	Prime And Paint Pump, >75 HP.....	332.79	
09 91 13 00-0287 Paint Storage Tanks (09 91 13 00-0270)				
09 91 13 00-0288	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface.....	1.41	
09 91 13 00-0289	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface.....	1.86	
09 91 13 00-0290	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface.....	3.53	
09 91 13 00-0291	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface.....	1.92	
09 91 13 00-0292	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface.....	2.42	
09 91 13 00-0293	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface.....	4.63	
09 91 13 00-0294	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface.....	1.40	
09 91 13 00-0295	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface.....	1.72	
09 91 13 00-0296	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface.....	3.33	
09 91 13 00-0297	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface.....	1.60	
09 91 13 00-0298	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface.....	2.10	
09 91 13 00-0299	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface.....	4.06	
09 91 13 00-0300 Other Site Work Painting (09 91 13)				
09 91 13 00-0301 Paint Fencing (09 91 13 00-0300)				
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).				
09 91 13 00-0302	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence..... <i>For Epoxy Paint, Add</i>	1.08 0.12	
		<i>For Up To 100, Add</i>	0.68	
		<i>For >100 To 250, Add</i>	0.33	
		<i>For >250 To 500, Add</i>	0.14	
09 91 13 00-0303	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence..... <i>For Epoxy Paint, Add</i>	2.03 0.23	
		<i>For Up To 100, Add</i>	1.26	
		<i>For >100 To 250, Add</i>	0.60	
		<i>For >250 To 500, Add</i>	0.26	



Finishes		09
Painting and Coating		09 90
Painting		09 91

09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0304	SF	1	Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.89	
			For Epoxy Paint, Add	0.13	
			For Electrostatic Painting, Add	0.13	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
09 91 13 00-0305	SF	2	Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.66	
			For Epoxy Paint, Add	0.25	
			For Electrostatic Painting, Add	0.25	
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
09 91 13 00-0306	SF	1	Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.99	
			For Epoxy Paint, Add	0.13	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
09 91 13 00-0307	SF	1	Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.93	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
09 91 13 00-0308	SF		Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.66	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
09 91 13 00-0309	SF	1	Coat Primer, Brush/Roller, Paint Picket Fence	1.29	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
09 91 13 00-0310	SF	1	Coat Paint, Brush/Roller, Paint Picket Fence	1.29	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
09 91 13 00-0311	SF		Each Additional Coat, Brush/Roller, Paint Picket Fence	0.92	
			For Epoxy Paint, Add	0.09	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
09 91 13 00-0312	SF	1	Coat Paint, Brush/Roller, Paint Wood Fences	0.95	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
09 91 13 00-0313	SF	2	Coats Paint, Brush/Roller, Paint Wood Fences	1.70	
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
09 91 13 00-0314	SF	1	Coat Paint, Sprayed, Paint Wood Fences	0.69	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
09 91 13 00-0315	SF	2	Coats Paint, Sprayed, Paint Wood Fences	1.31	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
09 91 13 00-0316 Paint Flagpoles (09 91 13 00-0300)					
09 91 13 00-0317	EA	1	Coat Paint, 20' High, Paint Steel Flagpole	231.20	
09 91 13 00-0318	EA	1	Coat Paint, 30' High, Paint Steel Flagpole	312.01	
09 91 13 00-0319	EA	1	Coat Paint, 40' High, Paint Steel Flagpole	392.85	
09 91 13 00-0320	EA	1	Coat Paint, 50' High, Paint Steel Flagpole	473.71	
09 91 13 00-0321	EA	1	Coat Paint, 70' High, Paint Steel Flagpole	624.97	
09 91 13 00-0322	EA	1	Coat Paint, 80' High, Paint Steel Flagpole	704.50	
09 91 13 00-0323	EA	1	Coat Paint, 90' High, Paint Steel Flagpole	784.06	
09 91 13 00-0324 Paint Lattice Or Trellis (09 91 13 00-0300)					
09 91 13 00-0325	SF	1	Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.71	
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.23	
09 91 13 00-0326	SF	2	Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	3.18	
			For Up To 100, Add	2.11	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.43	
09 91 13 00-0327 Paint Exterior Stairs (09 91 13)					
09 91 13 00-0328 Paint Exterior Concrete Stairs (09 91 13 00-0327)					
09 91 13 00-0329	RSR	1	Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	21.28	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0330 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	21.28	
09 91 13 00-0331 RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair.....	27.46	
09 91 13 00-0332 RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair.....	45.42	
09 91 13 00-0333 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair.....	42.58	
09 91 13 00-0334 Paint Exterior Metal Stairs (09 91 13 00-0327)		
09 91 13 00-0335 RSR 1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair.....	11.17	
For Oil Based Paint, Add	0.60	
09 91 13 00-0336 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	11.17	
For Oil Based Paint, Add	0.60	
09 91 13 00-0337 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	22.33	
For Oil Based Paint, Add	1.21	
09 91 13 00-0338 Paint Exterior Wood Stairs (09 91 13 00-0327)		
09 91 13 00-0339 RSR 1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	11.04	
09 91 13 00-0340 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair.....	11.03	
09 91 13 00-0341 RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	17.21	
09 91 13 00-0342 RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair.....	35.17	
09 91 13 00-0343 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair.....	22.08	
09 91 13 00-0344 Paint Exterior Stair Nosing (09 91 13 00-0327)		
09 91 13 00-0345 LF 1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip.....	2.11	
09 91 13 00-0346 Paint Exterior Trim (09 91 13)		
09 91 13 00-0347 Paint Exterior Metal Trim And Gutters (09 91 13 00-0346)		
09 91 13 00-0348 SF 1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim.....	1.44	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.66	
Note: Applied only to work area above 40'.		
09 91 13 00-0349 SF 1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.58	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
09 91 13 00-0350 SF 2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.85	
For Work >15' To 20' Above Floor, Add	0.36	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.59	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.95	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.30	
Note: Applied only to work area above 40'.		
09 91 13 00-0351 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	1.31	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
09 91 13 00-0352 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.43	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
09 91 13 00-0353 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.55	
For Work >15' To 20' Above Floor, Add	0.31	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.52	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.83	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.14	
Note: Applied only to work area above 40'.		



Finishes		09
Painting and Coating		09 90
Painting		09 91

09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0354 LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout.....	2.27	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.49	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.78	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.07	
Note: Applied only to work area above 40'.		
09 91 13 00-0355 LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout.....	2.91	
For Work >15' To 20' Above Floor, Add	0.43	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.71	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.57	
Note: Applied only to work area above 40'.		
09 91 13 00-0356 Paint Exterior Wood Trim (09 91 13 00-0346)		
09 91 13 00-0357 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Trim	2.13	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.68	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.94	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.35	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 91 13 00-0358 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Trim	2.31	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.28	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.46	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.74	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.02	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.46	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.46	
09 91 13 00-0359 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Trim	4.19	
For Oil Based Paint, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.49	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.82	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.59	
For >100 To 250, Add	1.24	
For >250 To 500, Add	0.54	
For >2,500 To 5,000, Deduct	-0.21	
For >5,000 To 10,000, Deduct	-0.42	
For >10,000 To 20,000, Deduct	-0.63	
For >20,000, Deduct	-0.84	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0360	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim.....	1.69	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.51	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.70	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 13 00-0361	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	1.88	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.57	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.78	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.38	
09 91 13 00-0362	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	3.50	
			For Oil Based Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.39	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.65	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.03	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.07	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.43	
			For >2,500 To 5,000, Deduct	-0.18	
			For >5,000 To 10,000, Deduct	-0.35	
			For >10,000 To 20,000, Deduct	-0.53	
			For >20,000, Deduct	-0.70	
09 91 13 00-0363	SF		1 Coat Primer, Sprayed, Paint Exterior Wood Trim.....	1.28	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0364	SF		1 Coat Paint, Sprayed, Paint Exterior Wood Trim.....	1.44	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0365 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Trim.....	2.72	
For Oil Based Paint, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.68	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.94	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.43	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.31	
For >500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.41	
For >20,000, Deduct	-0.54	
09 91 13 00-0366 Paint Exterior Miscellaneous Metal Surfaces (09 91 13)		
09 91 13 00-0367 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces.....	1.73	
For Epoxy Paint, Add	0.20	
For Electrostatic Painting, Add	0.23	
09 91 13 00-0368 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.60	
For Epoxy Paint, Add	0.16	
For Electrostatic Painting, Add	0.20	
09 91 13 00-0369 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	3.24	
For Epoxy Paint, Add	0.32	
For Electrostatic Painting, Add	0.41	
09 91 33 Painting Materials (09 91)		
Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.		
09 91 33 00-0001 Primer (09 91 33)		
09 91 33 00-0002 GAL Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	62.70	
09 91 33 00-0003 GAL Alkyd Wood Primer, Exterior, 400 SF Per Gallon	39.95	
09 91 33 00-0004 GAL Prime Coat Oil Wood Primer, 310 SF Per Gallon	50.66	
09 91 33 00-0005 GAL Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	143.49	
09 91 33 00-0006 EA Cement Base Primer, 25 Lb. Sack.....	41.78	
09 91 33 00-0007 GAL Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	64.41	
09 91 33 00-0008 GAL Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	51.70	
09 91 33 00-0009 GAL Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	39.95	
09 91 33 00-0010 GAL Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	36.30	
09 91 33 00-0011 GAL Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	63.97	
09 91 33 00-0012 GAL Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	53.27	
09 91 33 00-0013 GAL Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	53.27	
09 91 33 00-0014 GAL Latex Wood Primer, Exterior, 300 SF Per Gallon	60.06	
09 91 33 00-0015 GAL Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	39.17	
09 91 33 00-0016 GAL Red Alkyd Primer, 500 SF Per Gallon	107.32	
09 91 33 00-0017 GAL Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	41.78	
09 91 33 00-0018 GAL Zinc Chromate Primer, 300 SF Per Gallon	33.42	
09 91 33 00-0019 GAL Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	86.43	
09 91 33 00-0020 GAL Stain Killer, Alcohol Base.....	53.89	
09 91 33 00-0021 GAL Sealer, Primer Kilz, 400 SF Per Gallon.....	60.81	
09 91 33 00-0022 Paint (09 91 33)		
09 91 33 00-0023 GAL Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	29.24	
09 91 33 00-0024 GAL Acrylic Urethane Sealer	145.01	
09 91 33 00-0025 GAL Asphalt-Fiber Roof And Foundation Coating, Solvent Type	15.67	
Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91 33 00-0026 GAL Concrete Enamel Epoxy, 350 SF Per Gallon	90.61	
09 91 33 00-0027 GAL Concrete Acrylic Sealer, 400 SF Per Gallon	47.52	
09 91 33 00-0028 GAL Tar Emulsion, Driveway Coating, 120 SF Per Gallon	20.81	
09 91 33 00-0029 GAL Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	31.56	
09 91 33 00-0030 GAL Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	86.07	
09 91 33 00-0031 GAL Exterior, Oil Base, Gloss, 400 SF Per Gallon	84.97	
09 91 33 00-0032 GAL Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	69.36	
09 91 33 00-0033 GAL Exterior, Flat, Oil Base.....	63.58	
09 91 33 00-0034 GAL Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	60.34	
09 91 33 00-0035 GAL Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	71.10	
09 91 33 00-0036 GAL Exterior, Latex Flat Paint, 300 SF Per Gallon	63.12	
09 91 33 00-0037 GAL Exterior, Water Base, Latex Gloss Enamel.....	89.85	
09 91 33 00-0038 GAL Cold Galvanizing Paint	363.46	
09 91 33 00-0039 GAL High Heat Paint.....	151.93	
09 91 33 00-0040 GAL Heat Resistant Paint.....	101.29	
09 91 33 00-0041 GAL Zinc Chromate Paint.....	91.64	
09 91 33 00-0042 QT Anti-Rust Enamel, 500 SF Per Quart.....	36.17	
09 91 33 00-0043 GAL Rust Inhibitor, Ferrous Metal	101.29	
09 91 33 00-0044 GAL Masonry Waterproofing, 100 SF Per Gallon	63.12	
09 91 33 00-0045 GAL Alkyd Latex, Black	75.16	
09 91 33 00-0046 GAL Alkyd Latex, White	68.33	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0047 GAL Alkyd Latex, Colors.....	82.40	
09 91 33 00-0048 QT Wrought Iron Paint, Black	92.45	
09 91 33 00-0049 GAL Vinyl Paint.....	79.90	
09 91 33 00-0050 GAL Silicone Alkyd	97.13	
09 91 33 00-0051 GAL 2 Component Solvent Based Acrylic Epoxy	98.70	
09 91 33 00-0052 GAL 2 Component Solvent Based Polyester Epoxy	123.77	
09 91 33 00-0053 GAL Chlorinated Rubber.....	90.87	
09 91 33 00-0054 GAL Polyamide Epoxy Sealer.....	94.00	
09 91 33 00-0055 GAL Coal Tar Epoxy	67.37	
09 91 33 00-0056 GAL Swimming Pool Enamel, 350 SF Per Gallon.....	84.08	
09 91 33 00-0057 GAL Swimming Pool Epoxy Or Urethane Base	109.67	
09 91 33 00-0058 GAL Swimming Pool Rubber Base	75.20	
09 91 33 00-0059 GAL Interior, Latex Flat Paint, 300 SF Per Gallon	47.78	
09 91 33 00-0060 GAL Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	58.88	
09 91 33 00-0061 GAL Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	97.92	
09 91 33 00-0062 GAL Interior, Ceiling White Latex Flat, 350 SF Per Gallon	33.16	
09 91 33 00-0063 GAL Linseed Oil.....	28.98	
09 91 33 00-0064 GAL Latex Floor Paint, 300 SF Per Gallon	47.52	
09 91 33 00-0065 GAL Acrylic Floor Paint, 400 SF Per Gallon.....	53.53	
09 91 33 00-0066 GAL Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	48.96	
09 91 33 00-0067 GAL Acoustic Spray-On Texture, Finish	39.34	
09 91 33 00-0068 Stain, Varnish (09 91 33)		
09 91 33 00-0069 GAL Thompson Water Sealer, 150 SF Per Gallon.....	27.16	
09 91 33 00-0070 GAL Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	50.66	
09 91 33 00-0071 GAL Redwood Oil Stain, 300 SF Per Gallon.....	45.17	
09 91 33 00-0072 GAL Varnish, Clear.....	47.42	
09 91 33 00-0073 GAL Penetrating Water-Repellent Stain	34.44	
09 91 33 00-0074 GAL Redwood Hue Or Clear Stain	30.78	
09 91 33 00-0075 GAL Polyurethane.....	54.04	
09 91 33 00-0076 GAL Lacquer, Semi-Gloss	47.66	
09 91 33 00-0077 GAL Shellac, Clear	62.53	
09 91 33 00-0078 GAL Acetone.....	20.63	
09 91 33 00-0079 GAL Paint Thinner	5.09	
09 91 33 00-0080 GAL Shellac Or Lacquer Thinner	20.89	
09 91 33 00-0081 GAL Turpentine.....	28.72	
09 91 33 00-0082 GAL Wood Filler Paste	49.09	
09 91 33 00-0083 GAL Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	39.17	
09 91 33 00-0084 GAL Water Based Alkyd Urethane (Sherwin Williams B53W01153)	106.51	
09 91 43 Surface Preparation (09 91)		
See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.		
09 96 High-Performance Coatings (09 90)		
09 96 23 Graffiti-Resistant Coatings (09 96)		
09 96 23 00-0001 Anti-Graffiti Coating (09 96 23)		
09 96 23 00-0002 SF Sacrificial Anti-Graffiti Coating, Per Coat.....	1.85	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
09 96 23 00-0003 SF Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....	1.96	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 96 53 Elastomeric Coatings (09 96)		
09 96 53 00-0001 Elastomeric (09 96 53)		
Note: Per coat.		
09 96 53 00-0002 SF 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors.....	1.12	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	



		Finishes	09	2
		Painting and Coating	09 90	
		High-Performance Coatings	09 96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0003	SF	1	Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.96	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 96 53 00-0004	SF	1	Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.75	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 96 53 00-0005	SF	1	Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	2.27	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.60	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	
09 96 53 00-0006	SF	1	Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	2.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.42	
09 96 53 00-0007	SF	1	Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.19	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	

09 Finishes**09 90 Painting and Coating****09 96 High-Performance Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0008	SF		1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	1.27	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 96 53 00-0009	SF		1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	1.09	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 96 53 00-0010	SF		1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.83	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 96 53 00-0011	SF		1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.45	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.51	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.70	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	
09 96 53 00-0012	SF		1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead.....	2.25	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	



		Finishes	09	
		Painting and Coating	09 90	
		High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	2.29 0.11 0.18 0.28 0.39 0.76 0.40 0.18 -0.11 -0.23 -0.34 -0.46	
09 96 56 Epoxy Coatings (09 96)				
09 96 56 00-0001		High Build Epoxy (09 96 56)		
09 96 56 00-0002	SF	50 Mil, High Build Epoxy	3.90	
09 96 56 00-0003		Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	7.73	
09 96 66 Aggregate Wall Coatings (09 96)				
09 96 66 00-0001		Troweled On (09 96 66)		
09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	5.46	
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On.....	9.79	
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	14.58	
09 96 66 00-0005		Sprayed On (09 96 66)		
09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On.....	4.44	
09 97 Special Coatings (09 90)				
09 97 13		Steel Coatings (09 97)		
09 97 13 23		Exterior Steel Coatings (09 97 13)		
Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.				
09 97 13 23-0001		Surface Preparation For Structural Steel (09 97 13 23)		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.				
09 97 13 23-0002		SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.				
09 97 13 23-0003	SF	Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	2.02	
<i>For Up To 100, Add</i>			1.52	
<i>For >100 To 250, Add</i>			0.71	
<i>For >250 To 500, Add</i>			0.30	
09 97 13 23-0004	SF	Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.94	
<i>For Up To 100, Add</i>			1.46	
<i>For >100 To 250, Add</i>			0.68	
<i>For >250 To 500, Add</i>			0.29	
09 97 13 23-0005	SF	Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.94	
<i>For Up To 100, Add</i>			1.46	
<i>For >100 To 250, Add</i>			0.68	
<i>For >250 To 500, Add</i>			0.29	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	2.63	
<i>For Up To 100, Add</i>			1.97	
<i>For >100 To 250, Add</i>			0.92	
<i>For >250 To 500, Add</i>			0.39	
09 97 13 23-0007		SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.				

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0008	SF	Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	2.01	
		For Up To 100, Add	1.51	
		For >100 To 250, Add	0.70	
		For >250 To 500, Add	0.30	
09 97 13 23-0009	SF	Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.94	
		For Up To 100, Add	1.46	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.29	
09 97 13 23-0010	SF	Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.94	
		For Up To 100, Add	1.46	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.29	
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.62	
		For Up To 100, Add	1.97	
		For >100 To 250, Add	0.92	
		For >250 To 500, Add	0.39	
09 97 13 23-0012	SF	>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.36	
		For Up To 100, Add	1.77	
		For >100 To 250, Add	0.83	
		For >250 To 500, Add	0.35	
09 97 13 23-0013 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel				
		(09 97 13 23-0001) Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11		
09 97 13 23-0014	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.20	
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
09 97 13 23-0015	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.07	
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.15	
09 97 13 23-0016	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.07	
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.15	
09 97 13 23-0017	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation.....	1.51	
		For Up To 100, Add	1.09	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.22	
09 97 13 23-0018 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel				
		(09 97 13 23-0001) Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.		
09 97 13 23-0019	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	3.14	
		For Up To 100, Add	2.28	
		For >100 To 250, Add	1.07	
		For >250 To 500, Add	0.46	
09 97 13 23-0020	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.71	
		For Up To 100, Add	1.96	
		For >100 To 250, Add	0.92	
		For >250 To 500, Add	0.39	
09 97 13 23-0021	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.52	
		For Up To 100, Add	1.82	
		For >100 To 250, Add	0.85	
		For >250 To 500, Add	0.37	
09 97 13 23-0022	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	3.94	
		For Up To 100, Add	2.88	
		For >100 To 250, Add	1.35	
		For >250 To 500, Add	0.58	

09 97 13 23-0023 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel

(09 97 13 23-0001)

Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.



		Finishes	09	09
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0024 SF Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	6.10	
For Up To 100, Add	4.44	
For >100 To 250, Add	2.08	
For >250 To 500, Add	0.89	
09 97 13 23-0025 SF Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	5.22	
For Up To 100, Add	3.79	
For >100 To 250, Add	1.77	
For >250 To 500, Add	0.76	
09 97 13 23-0026 SF Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.78	
For Up To 100, Add	3.46	
For >100 To 250, Add	1.62	
For >250 To 500, Add	0.70	
09 97 13 23-0027 SF Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	7.40	
For Up To 100, Add	5.42	
For >100 To 250, Add	2.54	
For >250 To 500, Add	1.09	

09 97 13 23-0028 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)

Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.

09 97 13 23-0029 SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.53	
For Up To 100, Add	3.29	
For >100 To 250, Add	1.54	
For >250 To 500, Add	0.66	
09 97 13 23-0030 SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.86	
For Up To 100, Add	2.80	
For >100 To 250, Add	1.31	
For >250 To 500, Add	0.56	
09 97 13 23-0031 SF Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.64	
For Up To 100, Add	2.63	
For >100 To 250, Add	1.23	
For >250 To 500, Add	0.53	
09 97 13 23-0032 SF Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	5.38	
For Up To 100, Add	3.94	
For >100 To 250, Add	1.84	
For >250 To 500, Add	0.79	

09 97 13 23-0033 Protective Coatings For Tanks And Structural Steel (09 97 13 23)

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0034 1.5 Mil Prime Coat For Structural Steel (09 97 13 23-0033)

09 97 13 23-0035 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.31	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 23-0036 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.97	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 97 13 23-0037 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.87	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
09 97 13 23-0038 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat.....	1.56	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
09 97 13 23-0039 SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.88	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
09 97 13 23-0040 SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	1.39	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0041 SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	1.24	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0042 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat.....	2.26	
For Up To 100, Add	1.58	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	

09 97 13 23-0043 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0033)

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0044 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.87	
For Up To 100, Add	2.52	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.52	
09 97 13 23-0045 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.80	
For Up To 100, Add	1.75	
For >100 To 250, Add	0.84	
For >250 To 500, Add	0.36	
09 97 13 23-0046 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.59	
For Up To 100, Add	1.59	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	
09 97 13 23-0047 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.69	
For Up To 100, Add	3.12	
For >100 To 250, Add	1.48	
For >250 To 500, Add	0.64	
09 97 13 23-0048 SF Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.90	
For Up To 100, Add	1.89	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.39	
09 97 13 23-0049 SF Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.09	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 23-0050 SF Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.95	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
09 97 13 23-0051 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.51	
For Up To 100, Add	2.34	
For >100 To 250, Add	1.11	
For >250 To 500, Add	0.48	
09 97 13 23-0052 SF Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.99	
For Up To 100, Add	4.11	
For >100 To 250, Add	1.94	
For >250 To 500, Add	0.83	
09 97 13 23-0053 SF Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.26	
For Up To 100, Add	2.85	
For >100 To 250, Add	1.35	
For >250 To 500, Add	0.58	
09 97 13 23-0054 SF Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.93	
For Up To 100, Add	2.60	
For >100 To 250, Add	1.23	
For >250 To 500, Add	0.53	
09 97 13 23-0055 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	7.35	
For Up To 100, Add	5.12	
For >100 To 250, Add	2.41	
For >250 To 500, Add	1.04	
09 97 13 23-0056 SF Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.49	
For Up To 100, Add	3.08	
For >100 To 250, Add	1.45	
For >250 To 500, Add	0.63	
09 97 13 23-0057 SF Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.19	
For Up To 100, Add	2.13	
For >100 To 250, Add	1.01	
For >250 To 500, Add	0.44	
09 97 13 23-0058 SF Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.94	
For Up To 100, Add	1.95	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
09 97 13 23-0059 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	5.50	
For Up To 100, Add	3.83	
For >100 To 250, Add	1.80	
For >250 To 500, Add	0.78	
09 97 13 23-0060 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0033)		
09 97 13 23-0061 SF Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.98	
For Up To 100, Add	1.96	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
09 97 13 23-0062 SF Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.43	
For Up To 100, Add	1.57	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
09 97 13 23-0063 SF Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.23	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
09 97 13 23-0064 SF Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.71	
For Up To 100, Add	2.49	
For >100 To 250, Add	1.18	
For >250 To 500, Add	0.51	



		Finishes	09	09
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0065	SF		Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.91	
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
09 97 13 23-0066	SF		Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.56	
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
09 97 13 23-0067	SF		Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.44	
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
09 97 13 23-0068	SF		Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.37	
			For Up To 100, Add	1.59	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.32	
09 97 13 23-0069	SF		Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.28	
			For Up To 100, Add	2.93	
			For >100 To 250, Add	1.38	
			For >250 To 500, Add	0.60	
09 97 13 23-0070	SF		Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.47	
			For Up To 100, Add	2.35	
			For >100 To 250, Add	1.11	
			For >250 To 500, Add	0.48	
09 97 13 23-0071	SF		Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.16	
			For Up To 100, Add	2.12	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.43	
09 97 13 23-0072	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	5.36	
			For Up To 100, Add	3.73	
			For >100 To 250, Add	1.76	
			For >250 To 500, Add	0.76	
09 97 13 23-0073	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.74	
			For Up To 100, Add	1.88	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
09 97 13 23-0074	SF		Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.22	
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	
09 97 13 23-0075	SF		Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.03	
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
09 97 13 23-0076	SF		Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	3.44	
			For Up To 100, Add	2.39	
			For >100 To 250, Add	1.13	
			For >250 To 500, Add	0.49	
09 97 13 23-0077			2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel (09 97 13 23-0033)		
09 97 13 23-0078	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.92	
			For Up To 100, Add	2.92	
			For >100 To 250, Add	1.40	
			For >250 To 500, Add	0.61	
09 97 13 23-0079	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.59	
			For Up To 100, Add	1.99	
			For >100 To 250, Add	0.96	
			For >250 To 500, Add	0.42	
09 97 13 23-0080	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.18	
			For Up To 100, Add	1.68	
			For >100 To 250, Add	0.82	
			For >250 To 500, Add	0.36	
09 97 13 23-0081	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.56	
			For Up To 100, Add	3.37	
			For >100 To 250, Add	1.61	
			For >250 To 500, Add	0.70	
09 97 13 23-0082	SF		Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.44	
			For Up To 100, Add	2.04	
			For >100 To 250, Add	0.98	
			For >250 To 500, Add	0.43	
09 97 13 23-0083	SF		Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.51	
			For Up To 100, Add	1.39	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97 13 23-0084	SF		Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.23	
			For Up To 100, Add	1.18	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
09 97 13 23-0085	SF		Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.89	
			For Up To 100, Add	2.36	
			For >100 To 250, Add	1.13	
			For >250 To 500, Add	0.49	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0086		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel (09 97 13 23-0033)		
09 97 13 23-0087	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	5.28	
		For Up To 100, Add	2.97	
		For >100 To 250, Add	1.44	
		For >250 To 500, Add	0.63	
09 97 13 23-0088	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.92	
		For Up To 100, Add	2.04	
		For >100 To 250, Add	1.00	
		For >250 To 500, Add	0.44	
09 97 13 23-0089	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.51	
		For Up To 100, Add	1.73	
		For >100 To 250, Add	0.85	
		For >250 To 500, Add	0.38	
09 97 13 23-0090	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.93	
		For Up To 100, Add	3.43	
		For >100 To 250, Add	1.65	
		For >250 To 500, Add	0.72	
09 97 13 23-0091	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	4.32	
		For Up To 100, Add	2.43	
		For >100 To 250, Add	1.17	
		For >250 To 500, Add	0.51	
09 97 13 23-0092	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	3.21	
		For Up To 100, Add	1.67	
		For >100 To 250, Add	0.82	
		For >250 To 500, Add	0.36	
09 97 13 23-0093	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.88	
		For Up To 100, Add	1.42	
		For >100 To 250, Add	0.70	
		For >250 To 500, Add	0.31	
09 97 13 23-0094	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.87	
		For Up To 100, Add	2.81	
		For >100 To 250, Add	1.35	
		For >250 To 500, Add	0.59	
09 97 13 23-0095		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel (09 97 13 23-0033)		
09 97 13 23-0096	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	11.03	
		For Up To 100, Add	6.37	
		For >100 To 250, Add	3.07	
		For >250 To 500, Add	1.34	
09 97 13 23-0097	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	8.38	
		For Up To 100, Add	4.58	
		For >100 To 250, Add	2.22	
		For >250 To 500, Add	0.97	
09 97 13 23-0098	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	8.08	
		For Up To 100, Add	4.36	
		For >100 To 250, Add	2.12	
		For >250 To 500, Add	0.93	
09 97 13 23-0099	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	12.80	
		For Up To 100, Add	7.66	
		For >100 To 250, Add	3.67	
		For >250 To 500, Add	1.60	
09 97 13 23-0100		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel (09 97 13 23-0033)		
09 97 13 23-0101	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	5.82	
		For Up To 100, Add	3.11	
		For >100 To 250, Add	1.51	
		For >250 To 500, Add	0.66	
09 97 13 23-0102	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.60	
		For Up To 100, Add	2.20	
		For >100 To 250, Add	1.09	
		For >250 To 500, Add	0.48	
09 97 13 23-0103	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.40	
		For Up To 100, Add	2.05	
		For >100 To 250, Add	1.02	
		For >250 To 500, Add	0.45	
09 97 13 23-0104	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.59	
		For Up To 100, Add	3.65	
		For >100 To 250, Add	1.77	
		For >250 To 500, Add	0.77	
09 97 13 23-0105	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	4.60	
		For Up To 100, Add	2.46	
		For >100 To 250, Add	1.20	
		For >250 To 500, Add	0.53	
09 97 13 23-0106	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.63	
		For Up To 100, Add	1.74	
		For >100 To 250, Add	0.86	
		For >250 To 500, Add	0.38	



		Finishes	09	9
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0107	SF		Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.48	
			For Up To 100, Add	1.63	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.36	
09 97 13 23-0108	SF		Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	5.22	
			For Up To 100, Add	2.89	
			For >100 To 250, Add	1.40	
			For >250 To 500, Add	0.61	
09 97 13 23-0109 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel (09 97 13 23-0033)					
09 97 13 23-0110	SF		Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	4.92	
			For Up To 100, Add	2.98	
			For >100 To 250, Add	1.42	
			For >250 To 500, Add	0.62	
09 97 13 23-0111	SF		Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	4.00	
			For Up To 100, Add	2.35	
			For >100 To 250, Add	1.13	
			For >250 To 500, Add	0.49	
09 97 13 23-0112	SF		Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.70	
			For Up To 100, Add	2.13	
			For >100 To 250, Add	1.03	
			For >250 To 500, Add	0.45	
09 97 13 23-0113	SF		Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	6.07	
			For Up To 100, Add	3.81	
			For >100 To 250, Add	1.82	
			For >250 To 500, Add	0.79	
09 97 13 23-0114 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel (09 97 13 23-0033)					
09 97 13 23-0115	SF		Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	4.73	
			For Up To 100, Add	3.01	
			For >100 To 250, Add	1.43	
			For >250 To 500, Add	0.62	
09 97 13 23-0116	SF		Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.37	
			For Up To 100, Add	2.02	
			For >100 To 250, Add	0.97	
			For >250 To 500, Add	0.42	
09 97 13 23-0117	SF		Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.86	
			For Up To 100, Add	1.64	
			For >100 To 250, Add	0.79	
			For >250 To 500, Add	0.34	
09 97 13 23-0118	SF		Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	5.39	
			For Up To 100, Add	3.47	
			For >100 To 250, Add	1.65	
			For >250 To 500, Add	0.71	
09 97 13 23-0119 One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0033)					
09 97 13 23-0120	SF		Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.55	
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
09 97 13 23-0121	SF		Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.86	
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
09 97 13 23-0122	SF		Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.76	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
09 97 13 23-0123	SF		Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.68	
			For Up To 100, Add	1.43	
			For >100 To 250, Add	0.70	
			For >250 To 500, Add	0.31	
09 97 13 23-0124 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0033)					
			Note: Installed over existing primer.		
09 97 13 23-0125	SF		Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.92	
			For Up To 100, Add	2.29	
			For >100 To 250, Add	1.10	
			For >250 To 500, Add	0.48	
09 97 13 23-0126	SF		Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.21	
			For Up To 100, Add	1.81	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0127 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.80	
For Up To 100, Add	1.51	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	
09 97 13 23-0128 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	4.55	
For Up To 100, Add	2.73	
For >100 To 250, Add	1.31	
For >250 To 500, Add	0.57	
09 97 13 24 Steel Water Storage Tank Painting (09 97 13)		
09 97 13 24-0001 Surface Preparation For Tanks (09 97 13 24)		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0003 SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.94	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
09 97 13 24-0004 SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.72	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 24-0005 SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	2.43	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.36	
09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0007 SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	1.02	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 24-0008 SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.82	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 97 13 24-0009 SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.45	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.21	
09 97 13 24-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0011 SF Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.52	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
09 97 13 24-0012 SF Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.29	
For Up To 100, Add	1.65	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
09 97 13 24-0013 SF Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	3.39	
For Up To 100, Add	2.47	
For >100 To 250, Add	1.16	
For >250 To 500, Add	0.50	
09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0015 SF Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.55	
For Up To 100, Add	3.29	
For >100 To 250, Add	1.54	
For >250 To 500, Add	0.66	
09 97 13 24-0016 SF Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.34	
For Up To 100, Add	3.14	
For >100 To 250, Add	1.47	
For >250 To 500, Add	0.63	
09 97 13 24-0017 SF Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	6.40	
For Up To 100, Add	4.68	
For >100 To 250, Add	2.19	
For >250 To 500, Add	0.94	
09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0019 SF Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.63	
For Up To 100, Add	2.63	
For >100 To 250, Add	1.23	
For >250 To 500, Add	0.53	



Finishes		09	09
Painting and Coating		09 90	
Special Coatings		09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0020 SF Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.63	
For Up To 100, Add	2.63	
For >100 To 250, Add	1.23	
For >250 To 500, Add	0.53	
09 97 13 24-0021 SF Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	5.37	
For Up To 100, Add	3.94	
For >100 To 250, Add	1.84	
For >250 To 500, Add	0.79	
09 97 13 24-0022 Protective Coatings For Tanks (09 97 13 24)		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0023 1.5 Mil Prime Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0024 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.77	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 24-0025 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.62	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 24-0026 SF Spray Tank Interior 1.5 Mil Prime Coat.....	1.47	
For Up To 100, Add	1.01	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 24-0027 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat	1.07	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 24-0028 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat.....	0.86	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
09 97 13 24-0029 SF Brush Tank Interior 1.5 Mil Prime Coat.....	2.14	
For Up To 100, Add	1.51	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0031 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.27	
For Up To 100, Add	1.37	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 24-0032 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.77	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 24-0033 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.19	
For Up To 100, Add	2.81	
For >100 To 250, Add	1.33	
For >250 To 500, Add	0.57	
09 97 13 24-0034 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.71	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 24-0035 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.33	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 24-0036 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.14	
For Up To 100, Add	2.10	
For >100 To 250, Add	0.99	
For >250 To 500, Add	0.43	
09 97 13 24-0037 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.40	
For Up To 100, Add	2.21	
For >100 To 250, Add	1.05	
For >250 To 500, Add	0.45	
09 97 13 24-0038 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.57	
For Up To 100, Add	1.59	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	
09 97 13 24-0039 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	6.58	
For Up To 100, Add	4.60	
For >100 To 250, Add	2.16	
For >250 To 500, Add	0.93	
09 97 13 24-0040 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.55	
For Up To 100, Add	1.66	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
09 97 13 24-0041 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.93	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0042	SF		Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.93	
			For Up To 100, Add	3.45	
			For >100 To 250, Add	1.62	
			For >250 To 500, Add	0.70	
09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)					
09 97 13 24-0044	SF		Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.02	
			For Up To 100, Add	1.27	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 24-0045	SF		Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.72	
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
09 97 13 24-0046	SF		Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.34	
			For Up To 100, Add	3.01	
			For >100 To 250, Add	1.42	
			For >250 To 500, Add	0.61	
09 97 13 24-0047	SF		Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.29	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
09 97 13 24-0048	SF		Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.10	
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
09 97 13 24-0049	SF		Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.78	
			For Up To 100, Add	1.93	
			For >100 To 250, Add	0.91	
			For >250 To 500, Add	0.39	
09 97 13 24-0050	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.85	
			For Up To 100, Add	1.89	
			For >100 To 250, Add	0.90	
			For >250 To 500, Add	0.39	
09 97 13 24-0051	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.39	
			For Up To 100, Add	1.55	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.32	
09 97 13 24-0052	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	6.78	
			For Up To 100, Add	4.93	
			For >100 To 250, Add	2.31	
			For >250 To 500, Add	0.99	
09 97 13 24-0053	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.82	
			For Up To 100, Add	1.21	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
09 97 13 24-0054	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.53	
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
09 97 13 24-0055	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	4.43	
			For Up To 100, Add	3.17	
			For >100 To 250, Add	1.49	
			For >250 To 500, Add	0.64	
09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks (09 97 13 24-0022)					
09 97 13 24-0057	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.94	
			For Up To 100, Add	1.53	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.33	
09 97 13 24-0058	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.54	
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
09 97 13 24-0059	SF		Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.06	
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.23	
09 97 13 24-0060	SF		Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.78	
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks (09 97 13 24-0022)					
09 97 13 24-0062	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.26	
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	



		Finishes	09	2
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0063 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.86	
For Up To 100, Add	1.28	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 24-0064 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.67	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 24-0065 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.34	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0067 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.80	
For Up To 100, Add	4.19	
For >100 To 250, Add	2.04	
For >250 To 500, Add	0.89	
09 97 13 24-0068 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.19	
For Up To 100, Add	3.74	
For >100 To 250, Add	1.83	
For >250 To 500, Add	0.80	
09 97 13 24-0069 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.83	
For Up To 100, Add	7.22	
For >100 To 250, Add	3.45	
For >250 To 500, Add	1.50	
09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0071 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.10	
For Up To 100, Add	1.97	
For >100 To 250, Add	0.98	
For >250 To 500, Add	0.43	
09 97 13 24-0072 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.65	
For Up To 100, Add	1.63	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.36	
09 97 13 24-0073 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.07	
For Up To 100, Add	3.45	
For >100 To 250, Add	1.66	
For >250 To 500, Add	0.73	
09 97 13 24-0074 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.24	
For Up To 100, Add	1.55	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
09 97 13 24-0075 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.89	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.29	
09 97 13 24-0076 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.80	
For Up To 100, Add	2.72	
For >100 To 250, Add	1.32	
For >250 To 500, Add	0.57	
09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0078 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.67	
For Up To 100, Add	2.12	
For >100 To 250, Add	1.02	
For >250 To 500, Add	0.45	
09 97 13 24-0079 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.06	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
09 97 13 24-0080 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.68	
For Up To 100, Add	2.88	
For >100 To 250, Add	1.38	
For >250 To 500, Add	0.60	
09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0082 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.53	
For Up To 100, Add	1.41	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0083	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.34	
		For Up To 100, Add	1.26	
		For >100 To 250, Add	0.61	
		For >250 To 500, Add	0.27	
09 97 13 24-0084	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.84	
		For Up To 100, Add	2.39	
		For >100 To 250, Add	1.14	
		For >250 To 500, Add	0.49	
09 97 13 24-0085		Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 24-0022)		
09 97 13 24-0086	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	5.57	
		For Up To 100, Add	3.25	
		For >100 To 250, Add	1.56	
		For >250 To 500, Add	0.68	
09 97 13 24-0087	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	3.41	
		For Up To 100, Add	1.72	
		For >100 To 250, Add	0.84	
		For >250 To 500, Add	0.37	
09 97 13 24-0088		One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0089	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat.....	1.63	
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
09 97 13 24-0090	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat.....	1.59	
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.16	
09 97 13 24-0091	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat.....	2.54	
		For Up To 100, Add	1.41	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.30	
09 97 13 24-0092		Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0022)		
		Note: Installed over existing primer.		
09 97 13 24-0093	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.67	
		For Up To 100, Add	1.43	
		For >100 To 250, Add	0.69	
		For >250 To 500, Add	0.30	
09 97 13 24-0094	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.37	
		For Up To 100, Add	1.20	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.26	
09 97 13 24-0095	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.68	
		For Up To 100, Add	2.18	
		For >100 To 250, Add	1.05	
		For >250 To 500, Add	0.46	
09 97 13 24-0096		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0097	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	9.63	
		For Up To 100, Add	6.04	
		For >100 To 250, Add	2.88	
		For >250 To 500, Add	1.25	
09 97 26		Cementitious Coatings (09 97)		
09 97 26 13		Interior Cementitious Coatings (09 97 26)		
09 97 26 13-0001		Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious.....	3.34	
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin.....	2.85	
09 97 63		Special Coatings and Protection Systems (09 97)		
09 97 63 00-0001		Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002	SF	Acrylic Glazed Coating.....	2.22	



Finishes		09	09
Painting and Coating		09 90	
Special Coatings		09 97	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

END OF SECTION 09

09	09	Finishes
	09 90	Painting and Coating
	09 97	Special Coatings



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST

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Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 10 Information Specialties ⁽¹⁰⁾

10 14 Signage ^(10 10)

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 53 Traffic Signage ^(10 14)

10 14 53 11 Traffic Signage ^(10 14 53)

10 14 53 11-0001 Traffic Signs ^(10 14 53 11)

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs ^(10 14 53 11-0001)

Note: Excludes posts.

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs ^(10 14 53 11-0002)

10 14 53 11-0004	EA 18" x 18" Aluminum Engineer Grade Stop Sign.....	84.30	20.98
	For Hi-Intensity Grade, Add	12.70	
	For Diamond Grade, Add	24.13	
10 14 53 11-0005	EA 18" x 24" Aluminum Engineer Grade Stop Sign.....	99.67	22.20
	For Hi-Intensity Grade, Add	16.61	
	For Diamond Grade, Add	31.56	
10 14 53 11-0006	EA 24" x 24" Aluminum Engineer Grade Stop Sign.....	108.51	23.32
	For Hi-Intensity Grade, Add	25.37	
	For Diamond Grade, Add	40.22	
10 14 53 11-0007	EA 30" x 30" Aluminum Engineer Grade Stop Sign.....	128.21	24.52
	For Hi-Intensity Grade, Add	9.51	
	For Diamond Grade, Add	51.51	
10 14 53 11-0008	EA 36" x 36" Aluminum Engineer Grade Stop Sign.....	178.30	25.65
	For Hi-Intensity Grade, Add	27.94	
	For Diamond Grade, Add	87.64	

10 14 53 11-0009 Steel Engineer Grade Stop Signs ^(10 14 53 11-0002)

10 14 53 11-0010	EA 18" x 18" Reflective Steel Stop Sign, Engineering Grade.....	131.75	20.98
10 14 53 11-0011	EA 18" x 24" Reflective Steel Stop Sign, Engineering Grade.....	166.62	22.20
10 14 53 11-0012	EA 24" x 24" Reflective Steel Stop Sign, Engineering Grade.....	176.88	23.32
10 14 53 11-0013	EA 30" x 30" Reflective Steel Stop Sign, Engineering Grade.....	256.17	24.52
10 14 53 11-0014	EA 36" x 36" Reflective Steel Stop Sign, Engineering Grade.....	327.60	25.65

10 14 53 11-0015 Polyethylene Engineer Grade Stop Signs ^(10 14 53 11-0002)

10 14 53 11-0016	EA 18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade.....	135.08	20.98
10 14 53 11-0017	EA 18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	175.14	22.20
10 14 53 11-0018	EA 24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	193.66	23.32
10 14 53 11-0019	EA 30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade.....	256.94	24.52

10 14 53 11-0020 Other Reflectorized Traffic Signs ^(10 14 53 11-0002)

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 11-0021 Aluminum Engineer Grade Traffic Signs ^(10 14 53 11-0020)

10 14 53 11-0022	EA 6" x 12" Aluminum Engineer Grade Traffic Sign.....	47.80	18.65
	For Hi-Intensity Grade, Add	3.15	
	For Diamond Grade, Add	5.98	
10 14 53 11-0023	EA 6" x 18" Aluminum Engineer Grade Traffic Sign.....	53.04	18.65
	For Hi-Intensity Grade, Add	4.72	
	For Diamond Grade, Add	8.97	
10 14 53 11-0024	EA 9" x 12" Aluminum Engineer Grade Traffic Sign.....	53.04	18.65
	For Hi-Intensity Grade, Add	4.72	
	For Diamond Grade, Add	8.97	
10 14 53 11-0025	EA 9" x 15" Aluminum Engineer Grade Traffic Sign.....	56.97	18.65
	For Hi-Intensity Grade, Add	5.90	
	For Diamond Grade, Add	11.21	
10 14 53 11-0026	EA 9" x 18" Aluminum Engineer Grade Traffic Sign.....	60.91	18.65
	For Hi-Intensity Grade, Add	7.08	
	For Diamond Grade, Add	13.45	
10 14 53 11-0027	EA 9" x 24" Aluminum Engineer Grade Traffic Sign.....	71.09	19.82
	For Hi-Intensity Grade, Add	9.44	
	For Diamond Grade, Add	17.93	
10 14 53 11-0028	EA 9" x 48" Aluminum Engineer Grade Traffic Sign.....	102.56	19.82
	For Hi-Intensity Grade, Add	18.88	
	For Diamond Grade, Add	35.87	
10 14 53 11-0029	EA 12" x 12" Aluminum Engineer Grade Traffic Sign.....	58.29	18.65
	For Hi-Intensity Grade, Add	6.29	
	For Diamond Grade, Add	11.96	
10 14 53 11-0030	EA 12" x 18" Aluminum Engineer Grade Traffic Sign.....	71.09	19.82
	For Hi-Intensity Grade, Add	9.44	
	For Diamond Grade, Add	17.93	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0031	EA	12" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	81.58 12.59 23.91	19.82
10 14 53 11-0032	EA	12" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	92.07 15.73 29.89	19.82
10 14 53 11-0033	EA	12" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	102.56 18.88 35.87	19.82
10 14 53 11-0034	EA	18" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	86.83 14.16 26.90	19.82
10 14 53 11-0035	EA	18" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	102.56 18.88 35.87	19.82
10 14 53 11-0036	EA	18" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	120.62 23.60 44.84	20.98
10 14 53 11-0037	EA	18" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	136.35 28.32 53.80	20.98
10 14 53 11-0038	EA	18" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	177.15 37.76 71.74	25.65
10 14 53 11-0039	EA	18" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	192.88 42.48 80.71	25.65
10 14 53 11-0040	EA	24" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	125.86 25.17 47.82	20.98
10 14 53 11-0041	EA	24" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	146.84 31.46 59.78	20.98
10 14 53 11-0042	EA	24" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	167.82 37.76 71.74	20.98
10 14 53 11-0043	EA	24" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	198.12 44.05 83.69	25.65
10 14 53 11-0044	EA	24" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	219.10 50.34 95.65	25.65
10 14 53 11-0045	EA	24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	240.07 56.63 107.60	25.65
10 14 53 11-0046	EA	24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	261.05 62.93 119.56	25.65
10 14 53 11-0047	EA	30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	173.06 39.33 74.73	20.98
10 14 53 11-0048	EA	30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	208.61 47.20 89.67	25.65
10 14 53 11-0049	EA	30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	234.83 55.06 104.62	25.65
10 14 53 11-0050	EA	30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	270.37 62.93 119.56	30.31
10 14 53 11-0051	EA	30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	332.15 78.66 149.45	34.97
10 14 53 11-0052	EA	36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	240.07 56.63 107.60	25.65
10 14 53 11-0053	EA	36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	280.86 66.08 125.54	30.31
10 14 53 11-0054	EA	36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	321.66 75.51 143.47	34.97
10 14 53 11-0055	EA	36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	353.13 84.95 161.41	34.97
10 14 53 11-0056	EA	36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	393.91 94.39 179.34	39.63
10 14 53 11-0057	EA	36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	471.40 114.84 218.20	44.30
10 14 53 11-0058	EA	36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	497.62 122.71 233.15	44.30



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
10 14 53 11-0059	EA	36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	668.94 169.91 322.82	51.29
10 14 53 11-0060	EA	42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	326.91 77.09 146.47	34.97
10 14 53 11-0061	EA	48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	414.89 100.69 191.30	39.63
10 14 53 11-0062	EA	48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	466.16 113.27 215.21	44.30
10 14 53 11-0063	EA	48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	508.11 125.86 239.13	44.30
10 14 53 11-0064	EA	48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	564.06 138.44 263.04	51.29
10 14 53 11-0065	EA	48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	606.01 151.03 286.95	51.29
10 14 53 11-0066	EA	48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	699.24 176.20 334.78	55.95
10 14 53 11-0067	EA	48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	783.14 201.37 382.60	55.95
10 14 53 11-0068	EA	48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	825.09 213.95 406.51	55.95
10 14 53 11-0069	EA	48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	871.70 226.54 430.42	58.29
10 14 53 11-0070	EA	60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	741.19 188.78 358.69	55.95
10 14 53 11-0071	EA	72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	1,659.48 453.08 860.85	74.60
10 14 53 11-0072	EA	78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	1,207.32 327.23 621.73	58.29
10 14 53 11-0073	Polyethylene Engineer Grade Traffic Signs (10 14 53 11-0020)			
10 14 53 11-0074	EA	6" x 12" Reflective Polyethylene Traffic Sign	93.18	17.53
10 14 53 11-0075	EA	12" x 12" Reflective Polyethylene Traffic Sign	106.77	18.65
10 14 53 11-0076	EA	12" x 18" Reflective Polyethylene Traffic Sign	114.40	19.87
10 14 53 11-0077	EA	18" x 18" Reflective Polyethylene Traffic Sign	140.02	20.98
10 14 53 11-0078	EA	18" x 24" Reflective Polyethylene Traffic Sign	175.14	22.20
10 14 53 11-0079	EA	24" x 24" Reflective Polyethylene Traffic Sign	197.96	22.20
10 14 53 11-0080	Non-Reflectorized Traffic Signs (10 14 53 11-0001) Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.			
10 14 53 11-0081	Steel Non-Reflectorized Traffic Signs (10 14 53 11-0080)			
10 14 53 11-0082	EA	6" x 12" Steel Non-Reflectorized Traffic Sign.....	45.77	18.65
10 14 53 11-0083	EA	6" x 18" Steel Non-Reflectorized Traffic Sign.....	50.00	18.65
10 14 53 11-0084	EA	9" x 12" Steel Non-Reflectorized Traffic Sign.....	50.00	18.65
10 14 53 11-0085	EA	9" x 15" Steel Non-Reflectorized Traffic Sign.....	53.17	18.65
10 14 53 11-0086	EA	9" x 18" Steel Non-Reflectorized Traffic Sign.....	56.34	18.65
10 14 53 11-0087	EA	9" x 24" Steel Non-Reflectorized Traffic Sign.....	65.00	19.82
10 14 53 11-0088	EA	9" x 48" Steel Non-Reflectorized Traffic Sign.....	90.38	19.82
10 14 53 11-0089	EA	12" x 12" Steel Non-Reflectorized Traffic Sign.....	54.23	18.65
10 14 53 11-0090	EA	12" x 18" Steel Non-Reflectorized Traffic Sign.....	65.00	19.82
10 14 53 11-0091	EA	12" x 24" Steel Non-Reflectorized Traffic Sign.....	73.46	19.82
10 14 53 11-0092	EA	12" x 30" Steel Non-Reflectorized Traffic Sign.....	81.92	19.82
10 14 53 11-0093	EA	12" x 36" Steel Non-Reflectorized Traffic Sign.....	90.38	19.82
10 14 53 11-0094	EA	18" x 18" Steel Non-Reflectorized Traffic Sign.....	77.69	19.82
10 14 53 11-0095	EA	18" x 24" Steel Non-Reflectorized Traffic Sign.....	90.38	19.82
10 14 53 11-0096	EA	18" x 30" Steel Non-Reflectorized Traffic Sign.....	105.39	20.98
10 14 53 11-0097	EA	18" x 36" Steel Non-Reflectorized Traffic Sign.....	118.08	20.98
10 14 53 11-0098	EA	18" x 48" Steel Non-Reflectorized Traffic Sign.....	152.78	25.65
10 14 53 11-0099	EA	18" x 54" Steel Non-Reflectorized Traffic Sign.....	165.47	25.65
10 14 53 11-0100	EA	24" x 24" Steel Non-Reflectorized Traffic Sign.....	109.62	20.98
10 14 53 11-0101	EA	24" x 30" Steel Non-Reflectorized Traffic Sign.....	126.54	20.98
10 14 53 11-0102	EA	24" x 36" Steel Non-Reflectorized Traffic Sign.....	143.45	20.98
10 14 53 11-0103	EA	24" x 42" Steel Non-Reflectorized Traffic Sign.....	169.70	25.65
10 14 53 11-0104	EA	24" x 48" Steel Non-Reflectorized Traffic Sign.....	186.61	25.65
10 14 53 11-0105	EA	24" x 54" Steel Non-Reflectorized Traffic Sign.....	203.53	25.65
10 14 53 11-0106	EA	24" x 60" Steel Non-Reflectorized Traffic Sign.....	220.44	25.65
10 14 53 11-0107	EA	30" x 30" Steel Non-Reflectorized Traffic Sign.....	147.68	20.98

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0108 EA 30" x 36" Steel Non-Reflectorized Traffic Sign.....	178.16	25.65
10 14 53 11-0109 EA 30" x 42" Steel Non-Reflectorized Traffic Sign.....	199.30	25.65
10 14 53 11-0110 EA 30" x 48" Steel Non-Reflectorized Traffic Sign.....	229.76	30.31
10 14 53 11-0111 EA 30" x 60" Steel Non-Reflectorized Traffic Sign.....	281.39	34.97
10 14 53 11-0112 EA 36" x 36" Steel Non-Reflectorized Traffic Sign.....	203.53	25.65
10 14 53 11-0113 EA 36" x 42" Steel Non-Reflectorized Traffic Sign.....	238.22	30.31
10 14 53 11-0114 EA 36" x 48" Steel Non-Reflectorized Traffic Sign.....	272.94	34.97
10 14 53 11-0115 EA 36" x 54" Steel Non-Reflectorized Traffic Sign.....	298.31	34.97
10 14 53 11-0116 EA 36" x 60" Steel Non-Reflectorized Traffic Sign.....	333.00	39.63
10 14 53 11-0117 EA 36" x 73" Steel Non-Reflectorized Traffic Sign.....	397.30	44.30
10 14 53 11-0118 EA 36" x 78" Steel Non-Reflectorized Traffic Sign.....	418.44	44.30
10 14 53 11-0119 EA 36" x 108" Steel Non-Reflectorized Traffic Sign.....	559.31	51.29
10 14 53 11-0120 EA 42" x 42" Steel Non-Reflectorized Traffic Sign.....	277.16	34.97
10 14 53 11-0121 EA 48" x 48" Steel Non-Reflectorized Traffic Sign.....	349.92	39.63
10 14 53 11-0122 EA 48" x 54" Steel Non-Reflectorized Traffic Sign.....	393.07	44.30
10 14 53 11-0123 EA 48" x 60" Steel Non-Reflectorized Traffic Sign.....	426.90	44.30
10 14 53 11-0124 EA 48" x 66" Steel Non-Reflectorized Traffic Sign.....	474.73	51.29
10 14 53 11-0125 EA 48" x 72" Steel Non-Reflectorized Traffic Sign.....	508.56	51.29
10 14 53 11-0126 EA 48" x 84" Steel Non-Reflectorized Traffic Sign.....	585.54	55.95
10 14 53 11-0127 EA 48" x 96" Steel Non-Reflectorized Traffic Sign.....	653.21	55.95
10 14 53 11-0128 EA 48" x 102" Steel Non-Reflectorized Traffic Sign.....	687.04	55.95
10 14 53 11-0129 EA 48" x 108" Steel Non-Reflectorized Traffic Sign.....	725.53	58.29
10 14 53 11-0130 EA 60" x 72" Steel Non-Reflectorized Traffic Sign.....	619.37	55.95
10 14 53 11-0131 EA 72" x 144" Steel Non-Reflectorized Traffic Sign.....	1,367.12	74.60
10 14 53 11-0132 EA 78" x 96" Steel Non-Reflectorized Traffic Sign.....	996.17	58.29
10 14 53 11-0133 Aluminum Non-Reflectorized Traffic Signs (10 14 53 11-0080)		
10 14 53 11-0134 EA 6" x 12" Aluminum Non-Reflectorized Traffic Sign.....	46.11	18.65
10 14 53 11-0135 EA 6" x 18" Aluminum Non-Reflectorized Traffic Sign.....	50.51	18.65
10 14 53 11-0136 EA 9" x 12" Aluminum Non-Reflectorized Traffic Sign.....	50.51	18.65
10 14 53 11-0137 EA 9" x 15" Aluminum Non-Reflectorized Traffic Sign.....	53.81	18.65
10 14 53 11-0138 EA 9" x 18" Aluminum Non-Reflectorized Traffic Sign.....	57.12	18.65
10 14 53 11-0139 EA 9" x 24" Aluminum Non-Reflectorized Traffic Sign.....	66.04	19.82
10 14 53 11-0140 EA 9" x 48" Aluminum Non-Reflectorized Traffic Sign.....	92.44	19.82
10 14 53 11-0141 EA 12" x 12" Aluminum Non-Reflectorized Traffic Sign.....	54.91	18.65
10 14 53 11-0142 EA 12" x 18" Aluminum Non-Reflectorized Traffic Sign.....	66.04	19.82
10 14 53 11-0143 EA 12" x 24" Aluminum Non-Reflectorized Traffic Sign.....	74.84	19.82
10 14 53 11-0144 EA 12" x 30" Aluminum Non-Reflectorized Traffic Sign.....	83.64	19.82
10 14 53 11-0145 EA 12" x 36" Aluminum Non-Reflectorized Traffic Sign.....	92.44	19.82
10 14 53 11-0146 EA 18" x 18" Aluminum Non-Reflectorized Traffic Sign.....	79.24	19.82
10 14 53 11-0147 EA 18" x 24" Aluminum Non-Reflectorized Traffic Sign.....	92.44	19.82
10 14 53 11-0148 EA 18" x 30" Aluminum Non-Reflectorized Traffic Sign.....	107.98	20.98
10 14 53 11-0149 EA 18" x 36" Aluminum Non-Reflectorized Traffic Sign.....	121.18	20.98
10 14 53 11-0150 EA 18" x 48" Aluminum Non-Reflectorized Traffic Sign.....	156.92	25.65
10 14 53 11-0151 EA 18" x 54" Aluminum Non-Reflectorized Traffic Sign.....	170.12	25.65
10 14 53 11-0152 EA 24" x 24" Aluminum Non-Reflectorized Traffic Sign.....	112.38	20.98
10 14 53 11-0153 EA 24" x 30" Aluminum Non-Reflectorized Traffic Sign.....	129.98	20.98
10 14 53 11-0154 EA 24" x 36" Aluminum Non-Reflectorized Traffic Sign.....	147.59	20.98
10 14 53 11-0155 EA 24" x 42" Aluminum Non-Reflectorized Traffic Sign.....	174.52	25.65
10 14 53 11-0156 EA 24" x 48" Aluminum Non-Reflectorized Traffic Sign.....	192.13	25.65
10 14 53 11-0157 EA 24" x 54" Aluminum Non-Reflectorized Traffic Sign.....	209.73	25.65
10 14 53 11-0158 EA 24" x 60" Aluminum Non-Reflectorized Traffic Sign.....	227.34	25.65
10 14 53 11-0159 EA 30" x 30" Aluminum Non-Reflectorized Traffic Sign.....	151.99	20.98
10 14 53 11-0160 EA 30" x 36" Aluminum Non-Reflectorized Traffic Sign.....	183.33	25.65
10 14 53 11-0161 EA 30" x 42" Aluminum Non-Reflectorized Traffic Sign.....	205.33	25.65
10 14 53 11-0162 EA 30" x 48" Aluminum Non-Reflectorized Traffic Sign.....	236.66	30.31
10 14 53 11-0163 EA 30" x 60" Aluminum Non-Reflectorized Traffic Sign.....	290.01	34.97
10 14 53 11-0164 EA 36" x 36" Aluminum Non-Reflectorized Traffic Sign.....	209.73	25.65
10 14 53 11-0165 EA 36" x 42" Aluminum Non-Reflectorized Traffic Sign.....	245.46	30.31
10 14 53 11-0166 EA 36" x 48" Aluminum Non-Reflectorized Traffic Sign.....	281.21	34.97
10 14 53 11-0167 EA 36" x 54" Aluminum Non-Reflectorized Traffic Sign.....	307.61	34.97
10 14 53 11-0168 EA 36" x 60" Aluminum Non-Reflectorized Traffic Sign.....	343.34	39.63
10 14 53 11-0169 EA 36" x 73" Aluminum Non-Reflectorized Traffic Sign.....	409.88	44.30
10 14 53 11-0170 EA 36" x 78" Aluminum Non-Reflectorized Traffic Sign.....	431.88	44.30
10 14 53 11-0171 EA 36" x 108" Aluminum Non-Reflectorized Traffic Sign.....	577.92	51.29
10 14 53 11-0172 EA 42" x 42" Aluminum Non-Reflectorized Traffic Sign.....	285.61	34.97
10 14 53 11-0173 EA 48" x 48" Aluminum Non-Reflectorized Traffic Sign.....	360.95	39.63
10 14 53 11-0174 EA 48" x 54" Aluminum Non-Reflectorized Traffic Sign.....	405.48	44.30
10 14 53 11-0175 EA 48" x 60" Aluminum Non-Reflectorized Traffic Sign.....	440.69	44.30
10 14 53 11-0176 EA 48" x 66" Aluminum Non-Reflectorized Traffic Sign.....	489.90	51.29
10 14 53 11-0177 EA 48" x 72" Aluminum Non-Reflectorized Traffic Sign.....	525.11	51.29
10 14 53 11-0178 EA 48" x 84" Aluminum Non-Reflectorized Traffic Sign.....	604.84	55.95
10 14 53 11-0179 EA 48" x 96" Aluminum Non-Reflectorized Traffic Sign.....	675.26	55.95
10 14 53 11-0180 EA 48" x 102" Aluminum Non-Reflectorized Traffic Sign.....	710.47	55.95
10 14 53 11-0181 EA 48" x 108" Aluminum Non-Reflectorized Traffic Sign.....	750.34	58.29
10 14 53 11-0182 EA 60" x 72" Aluminum Non-Reflectorized Traffic Sign.....	640.05	55.95
10 14 53 11-0183 EA 72" x 144" Aluminum Non-Reflectorized Traffic Sign.....	1,416.76	74.60
10 14 53 11-0184 EA 78" x 96" Aluminum Non-Reflectorized Traffic Sign.....	1,032.02	58.29



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0185 Polyethylene Non-Reflectorized Traffic Signs (10 14 53 11-0080)		
10 14 53 11-0186 EA 6" x 12" Non-Reflective Polyethylene Traffic Sign	76.76	17.53
10 14 53 11-0187 EA 12" x 12" Non-Reflective Polyethylene Traffic Sign	84.27	18.65
10 14 53 11-0188 EA 12" x 18" Non-Reflective Polyethylene Traffic Sign	90.93	19.87
10 14 53 11-0189 EA 18" x 18" Non-Reflective Polyethylene Traffic Sign	123.24	20.98
10 14 53 11-0190 EA 18" x 24" Non-Reflective Polyethylene Traffic Sign	132.31	22.20
10 14 53 11-0191 EA 24" x 24" Non-Reflective Polyethylene Traffic Sign	155.17	23.32
10 14 53 11-0192 Signs For Overhead Sign Structures (10 14 53 11-0001)		
Note: Including horizontal Z-bars.		
10 14 53 11-0193 SF From 30 To 360 SF Signs For Overhead Sign Structures	25.00	
For Over 10' High, Add	13.00	
10 14 53 11-0194 VLF Vertical Sign Hangers For Overhead Sign Structures, Per Hanger	32.50	
Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.		
10 14 53 11-0195 Flashing Beacon (10 14 53 11-0001)		
10 14 53 11-0196 EA 8" Diameter LED Flashing Beacon	1,406.93	215.21
Note: Excludes sign and post		
10 14 53 11-0197 Rectangular Rapid Flashing Beacons (RRFB) (10 14 53 11-0001)		
10 14 53 11-0198 EA 2.5"(h) x 17.5"(w) x 2.75"(d), Solar Powered, Single, LED Rectangular Rapid Flashing Beacon (RRFB)	1,711.26	215.21
Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post		
10 14 53 11-0199 EA 3.5"(h) x 20"(w) x 3"(d) LED Rectangular Rapid Flashing Beacons (RRFB), Solar Powered, Back To Back.....	3,610.41	215.21
Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post		
10 14 53 11-0200 Aluminum Street Signs (10 14 53 11-0001)		
Note: Excludes posts.		
10 14 53 11-0201 Aluminum Engineer Grade Street Signs (10 14 53 11-0200)		
10 14 53 11-0202 EA 6" High, Aluminum Engineer Grade Street Sign	105.39	9.32
For Diamond Grade, Add	49.44	
10 14 53 11-0203 EA 8" High, Aluminum Engineer Grade Street Sign	120.70	9.32
For Diamond Grade, Add	58.17	
10 14 53 11-0204 EA 9" High, Aluminum Engineer Grade Street Sign	132.09	9.32
For Diamond Grade, Add	64.66	
10 14 53 11-0205 Street Sign Accessories (10 14 53 11-0200)		
10 14 53 11-0206 EA Single Bracket And Post Cap For Street Sign	30.18	4.67
10 14 53 11-0207 EA Double Bracket And Post Cap For Street Sign	30.18	4.67
10 14 53 11-0208 Sign Posts (10 14 53 11-0001)		
Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill, 32 31 13 13-0019 for concrete fill.		
10 14 53 11-0209 U-Channel Sign Posts (10 14 53 11-0208)		
Note: Excludes digging and concrete.		
10 14 53 11-0210 Baked Enamel U-Channel Sign Posts (10 14 53 11-0209)		
10 14 53 11-0211 EA 3' To 4' Baked Enamel U-Channel Sign Post Base	74.35	19.08
10 14 53 11-0212 EA 6' Baked Enamel U-Channel Sign Post	98.59	23.85
10 14 53 11-0213 EA 7' Baked Enamel U-Channel Sign Post	117.60	28.61
10 14 53 11-0214 EA 8' Baked Enamel U-Channel Sign Post	137.80	33.38
10 14 53 11-0215 EA 10' Baked Enamel U-Channel Sign Post	166.06	40.53
10 14 53 11-0216 EA 12' Baked Enamel U-Channel Sign Post	171.86	40.53
10 14 53 11-0217 Galvanized Steel U-Channel Sign Posts (10 14 53 11-0209)		
10 14 53 11-0218 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	81.81	19.08
10 14 53 11-0219 EA 6' Galvanized Steel U-Channel Sign Post.....	110.44	23.85
10 14 53 11-0220 EA 7' Galvanized Steel U-Channel Sign Post.....	144.38	28.61
10 14 53 11-0221 EA 8' Galvanized Steel U-Channel Sign Post.....	167.40	33.38
10 14 53 11-0222 EA 10' Galvanized Steel U-Channel Sign Post.....	187.62	40.53
10 14 53 11-0223 EA 12' Galvanized Steel U-Channel Sign Post.....	190.62	40.53
10 14 53 11-0224 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0209)		
10 14 53 11-0225 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	72.59	19.08
10 14 53 11-0226 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	94.77	23.85
10 14 53 11-0227 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	112.98	28.61
10 14 53 11-0228 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	132.29	33.38
10 14 53 11-0229 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	156.07	40.53
10 14 53 11-0230 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	165.94	40.53

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0231		Tubular Sign Posts (10 14 53 11-0208) Note: Excludes digging and concrete.		
10 14 53 11-0232		2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0231)		
10 14 53 11-0233	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	111.66	23.85
10 14 53 11-0234	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	132.22	28.61
10 14 53 11-0235	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	156.55	33.38
10 14 53 11-0236	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	203.82	40.53
10 14 53 11-0237	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	224.15	40.53
10 14 53 11-0238		Square Sign Posts (10 14 53 11-0208) Note: Excludes digging and concrete.		
10 14 53 11-0239		Galvanized Steel Square Sign Posts (10 14 53 11-0238)		
10 14 53 11-0240	EA	3' To 4' Galvanized Steel Square Sign Post Base.....	83.47	19.08
10 14 53 11-0241	EA	6' Galvanized Steel Square Sign Post.....	138.48	23.85
10 14 53 11-0242	EA	7' Galvanized Steel Square Sign Post.....	161.83	28.61
10 14 53 11-0243	EA	8' Galvanized Steel Square Sign Post.....	188.76	33.38
10 14 53 11-0244	EA	10' Galvanized Steel Square Sign Post.....	230.70	40.53
10 14 53 11-0245	EA	12' Galvanized Steel Square Sign Post.....	244.90	40.53
10 14 53 11-0246		Other Sign Posts And Bases (10 14 53 11-0001) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0247		2.5 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0246)		
10 14 53 11-0248		Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0247)		
10 14 53 11-0249	EA	Base Post For 2.5 Lb./LF Breakaway Sign Post.....	97.70	23.32
10 14 53 11-0250	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post.....	60.40	18.65
10 14 53 11-0251		Breakaway Sign Posts, 2.5 Lb./LF (10 14 53 11-0247)		
10 14 53 11-0252	LF	2.5 Lb./LF Breakaway Sign Post.....	12.63	2.33
10 14 53 11-0253		4 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0246)		
10 14 53 11-0254		Base Posts, 4 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0253)		
10 14 53 11-0255	EA	Base Post For 4 Lb./LF Breakaway Sign Post.....	102.34	27.97
10 14 53 11-0256	EA	Lap Splice Hardware For 4 Lb./LF Breakaway Sign Post.....	60.40	18.65
10 14 53 11-0257		Breakaway Sign Posts, 4 Lb./LF (10 14 53 11-0253)		
10 14 53 11-0258	LF	4 Lb./LF Breakaway Sign Post.....	15.51	2.33
10 14 53 11-0259		Driven Sign Posts (10 14 53 11-0246)		
10 14 53 11-0260		Driven Posts, 2.5 Lb./LF (10 14 53 11-0259)		
10 14 53 11-0261	LF	2.5 Lb./LF Driven Post.....	13.56	3.26
10 14 53 11-0262		Driven Posts, 4 Lb./LF (10 14 53 11-0259)		
10 14 53 11-0263	LF	4 Lb./LF Driven Post.....	16.91	3.73
10 14 53 11-0264		Omni-Directional Breakaway System For Sign Posts And Light Poles (10 14 53 11-0246)		
10 14 53 11-0265		Omni-Directional Breakaway Systems For Signs (10 14 53 11-0264) Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, sleeve, all associated parts and drilling.		
10 14 53 11-0266	EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	1,470.68	
10 14 53 11-0267	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	1,566.99	
10 14 53 11-0268	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	1,074.29	
10 14 53 11-0269	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	940.94	
10 14 53 11-0270	EA	Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	1,066.89	
10 14 53 11-0271	EA	Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	1,015.03	
10 14 53 11-0272	EA	Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	1,100.22	
10 14 53 11-0273		Omni-Directional Breakaway Systems For Poles (10 14 53 11-0264) Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
10 14 53 11-0274	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	495.91	
10 14 53 11-0275	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	519.91	
10 14 53 11-0276	EA	Omni-Directional Breakaway System For Poles With 1" Couplings.....	539.90	
10 14 53 11-0277	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	819.84	
10 14 53 11-0278	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	71.99	
10 14 53 11-0279	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....	95.98	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0280		Wood Posts (10 14 53 11-0246) Note: The quantity is the total length, including the buried portion. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
10 14 53 11-0281	LF	4" x 4" Pressure Treated Wood Sign Post	11.56	
10 14 53 11-0282		Sign Post Accessories (10 14 53 11-0001)		
10 14 53 11-0283		Sign Post Brackets (10 14 53 11-0282)		
10 14 53 11-0284	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set..... Note: Includes 2 single side signpost brackets	61.46	6.99
10 14 53 11-0285	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set	80.36	11.66
10 14 53 11-0286	EA	4" To 12" Diameter, Buckle Bracket Set	73.62	9.32
		Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware		
10 14 53 11-0287		Sign Post Caps (10 14 53 11-0282)		
10 14 53 11-0288	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	27.02	4.67
10 14 53 11-0289		Sign Post Replacement Bolts (10 14 53 11-0282)		
10 14 53 11-0290	EA	Signage Fasteners Replacement..... Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	17.81	
10 14 53 11-0291		Reflective Panels For "U" Channel Post (10 14 53 11-0282)		
10 14 53 11-0292	EA	3" x 72" Reflective Panel For "U-Channel" Post	83.55	
		Note: Diamond grade panel including mounting hardware.		
10 14 53 11-0293		Removal Of Signs (10 14 53 11) Note: Includes structural supports and foundations.		
10 14 53 11-0294	EA	>4 To 10 SF Sign Area, Sign Removal.....	186.51	
10 14 53 11-0295	EA	>10 To 20 SF Sign Area, Sign Removal	447.63	
10 14 53 11-0296	EA	>20 To 40 SF Sign Area, Sign Removal	671.45	
10 14 53 11-0297	EA	>40 To 100 SF Sign Area, Sign Removal	1,107.34	
10 14 53 11-0298		Removal And Reinstallation Of Signs (10 14 53 11) Note: Includes structural supports and foundations		
10 14 53 11-0299	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	286.27	
10 14 53 11-0300	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	676.09	
10 14 53 11-0301	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,011.12	
10 14 53 11-0302	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,664.69	
10 14 53 11-0303	EA	Removal And Reinstallation Of Street Sign On Post	107.24	
10 14 53 11-0304	EA	Removal And Relocation Of Traffic Light..... Note: Excludes electrical hookup.	391.33	
10 80 Other Specialties (10)				
10 81 Pest Control Devices (10 80)				
10 81 13 Bird Control Devices (10 81)				
10 81 13 00-0001		Stainless Steel Spiked Bird Barrier (10 81 13) Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	11.06	1.10
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	13.36	1.10
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	19.68	1.10
10 81 13 00-0005		Polycarbonate Spiked Bird Barrier (10 81 13) Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.22	1.10
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.39	1.10
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.79	1.10
10 81 13 00-0009		Spiked Gutter Or Girder Bird Barrier (10 81 13) Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	11.72	1.10
10 81 13 00-0011		Coil Bird Barrier (10 81 13) Note: Stainless steel coil.		
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	8.29	1.10

10 Specialties**10 80 Other Specialties****10 81 Pest Control Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	9.79	1.10
10 81 13 00-0014		Spider Bird Barrier (10 81 13) Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	146.10	1.10
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	214.79	1.10
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	270.31	1.10
10 81 13 00-0018		Oriented Flexible Flame-resistant Netting (10 81 13) Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting	1.08	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting	1.04	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting	1.00	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting	0.96	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting	0.96	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.94	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting	0.91	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting	0.91	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting	0.87	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting	0.98	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.92	0.37
		Note: To control bird and marine predators.		
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	3.24	
10 81 13 00-0031		Netting Accessories (10 81 13)		
10 81 13 00-0032	EA	2' Zipper For Flexible Netting	9.40	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	14.16	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	16.66	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	23.68	
10 81 16		Insect Control Devices (10 81)		
10 81 16 00-0001		Insect Screening (10 81 16)		
10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	143.67	

END OF SECTION 10



Special Construction		13
Special Structures		13 30
Fabricated Engineered Structures		13 34

13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 23 Fabricated Structures ^(13 34)

13 34 23 43 Fabricated Restrooms ^(13 34 23)

13 34 23 43-0001 Prefabricated Public Restrooms (Madden Fabrication) ^(13 34 23 43)

13 34 23 43-0002	EA	10'-6" x 6", Single Occupant Public Toilet (Madden Fabrication Portland Loo)	151,484.10
Note: Includes 304 stainless steel posts, panels, louvers, roof and toilet. Aluminum front door. Skylight, 40W heat trace, interior & exterior LED lighting with photoeye and motion sensor control and occupancy counter. Includes interior 32oz hand sanitizer dispenser and lockable 2-roll toilet paper dispenser with AC power option. Excludes foundation, electrical connections and/or underground utilities.			
For Hand Wash Basin, Add			1,602.45
For Baby Changing Table, Add			1,570.40
For Trash Can, Add			106.83
For Sharps Container, Add			961.47
For Cold Weather Toilet Upgrade, Add			4,807.35
For Recessed Hand Wash Station with Cold Air Hand Dryer, Tempered Water, and Soap Dispenser, Add			7,184.32

13 34 23 43-0003 Prefabricated Public Restrooms (Green Flush) ^(13 34 23 43)

13 34 23 43-0004	EA	12' x 8", Single Occupant Public Toilet (Green Flush Restrooms Aspen)	125,767.37
Note: Includes vertical groove siding, interior FRP wall, shingle roof, two doors, concrete floor, ceiling, toilet, urinal, sink, faucet, two hand bars, toilet accessories, electrical panel, interior wiring, and two interior lights. Excludes foundation, electrical connections and/or underground utilities.			
For Underground Vault (Without Sewer), Add			12,000.00
For Covered Pourch, Add			7,500.00
For Solar Power, Add			5,700.00
For Electric Water Heater, Add			2,200.00
For Solar Powered Water Heater, Add			3,400.00
For Electric Interior Heater, Add			1,200.00
For Hand Dryer (Each), Add			1,300.00
For Exterior Light, Add			700.00
For Interior Wainscot Tile Walls, Add			3,500.00
For Metal Roof, Add			2,500.00
For Board And Batten Siding, Add			1,000.00
For Lap Siding, Add			1,000.00
For Allura Lap Siding, Add			4,000.00
For Stainless Steel Toilet (Each), Add			1,300.00
For Stainless Steel Urinal (Each), Add			1,700.00
For Stainless Steel Sink (Each), Add			2,300.00
For "Touchless" Sensor Operated Flushometer (Each), Add			550.00
For "Touchless" Sensor Operated Sink Faucet (Each), Add			400.00
For Occupancy Indicator (Each), Add			700.00
For Baby Changing Table (Each), Add			650.00
For Rainwater Collection, Add			4,000.00
13 34 23 43-0005	EA	18' x 8", Dual Occupant Public Toilet (Green Flush Restrooms Durango)	175,838.51
Note: Includes vertical groove siding, interior FRP wall, shingle roof, two doors, concrete floor, ceiling, two toilets, two urinals, two sinks, two faucets, four hand bars, toilet accessories, electrical panel, interior wiring, and three interior lights. Excludes foundation, electrical connections and/or underground utilities.			
For Underground Vault (Without Sewer), Add			15,500.00
For Solar Power, Add			5,700.00
For Electric Water Heater, Add			2,200.00
For Solar Powered Water Heater, Add			3,400.00
For Electric Interior Heater, Add			1,800.00
For Hand Dryer (Each), Add			1,300.00
For Exterior Light, Add			700.00
For Interior Wainscot Tile Walls, Add			7,000.00
For Metal Roof, Add			3,250.00
For Board And Batten Siding, Add			1,400.00
For Lap Siding, Add			1,400.00
For Allura Lap Siding, Add			5,500.00
For Stainless Steel Toilet (Each), Add			1,300.00
For Stainless Steel Urinal (Each), Add			1,700.00
For Stainless Steel Sink (Each), Add			2,300.00
For "Touchless" Sensor Operated Flushometer (Each), Add			550.00
For "Touchless" Sensor Operated Sink Faucet (Each), Add			400.00
For Automatic Door Lock, Add			3,300.00
For Automatic Door Lock, Add			5,500.00
For Occupancy Indicator (Each), Add			700.00
For Baby Changing Table (Each), Add			650.00
For Rainwater Collection, Add			4,500.00

13 34 23 43-0006 Prefabricated Public Restrooms (Romtec) ^(13 34 23 43)

Note: Toilet layout per Manufacture design: romtec.com/restroom-buildings

13 34 23 43-0007	EA	Prefabricated Single Restroom (Romtec 1011)	27,320.91
Note: Excludes foundation, electrical connections and/or underground utilities.			

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 43-0008 EA Prefabricated Double Restroom (Romtec 1012).....	45,536.02	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0009 EA Prefabricated Three Restroom (Romtec 1014).....	70,649.19	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0010 EA Prefabricated Four Restroom (Romtec 1015).....	91,073.81	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0011 EA Prefabricated Double Restroom (Romtec 1016).....	45,536.02	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0012 EA Prefabricated Double Restroom (Romtec 1017).....	52,299.32	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0013 EA Prefabricated Six Restroom (Romtec 1020).....	134,402.08	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0014 EA Prefabricated Single Restroom (Romtec 2003).....	25,238.35	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0015 EA Prefabricated Single Restroom (Romtec 2004).....	32,036.27	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0016 EA Prefabricated Double Restroom (Romtec 2011).....	41,814.40	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0017 EA Prefabricated Double Restroom (Romtec 2016).....	44,658.12	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0018 EA Prefabricated Four Restroom (Romtec 2043).....	79,539.85	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0019 EA Prefabricated Six Restroom (Romtec 2047).....	123,708.27	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0020 EA Prefabricated Eight Restroom (Romtec 2048).....	130,640.95	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0021 EA Prefabricated Multi User 4 Restroom (Romtec 2061).....	84,771.93	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0022 EA Prefabricated Multi User 10 Restroom (Romtec 2079).....	141,106.88	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0023 EA Prefabricated Multi User 8 Restroom (Romtec 2080).....	130,975.61	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0024 EA Prefabricated Multi User 6 Restroom (Romtec 2081).....	105,518.84	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0025 EA Prefabricated Multi User 14 Restroom (Romtec 2098).....	173,984.21	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0026 EA Prefabricated Multi User 16 Restroom (Romtec 2099).....	202,153.46	
Note: Excludes foundation, electrical connections and/or underground utilities.		
13 34 23 43-0027 EA Prefabricated Sidewalk Restroom (Romtec 4001).....	112,712.64	
Note: Excludes foundation, electrical connections and/or underground utilities.		

13 40 Integrated Construction ⁽¹³⁾**13 47 Facility Protection** ^(13 40)**13 47 13 Cathodic Protection** ^(13 47)**13 47 13 13 Cathodic Protection for Underground and Submerged Piping** ^(13 47 13)

13 47 13 13-0001	Anodes ^(13 47 13 13)		
13 47 13 13-0002	Magnesium Type, Conventional ^(13 47 13 13-0001)		
13 47 13 13-0003 EA	9 Lb. Magnesium Type Anodes	428.96	188.32
13 47 13 13-0004 EA	17 Lb. Magnesium Type Anodes	635.92	272.17
13 47 13 13-0005 EA	32 Lb. Magnesium Type Anode	866.73	350.15
13 47 13 13-0006 EA	48 Lb. Magnesium Type Anode	1,233.55	489.91
13 47 13 13-0007	Graphite Type ^(13 47 13 13-0001)		
	Note: Includes epoxy cap.		
13 47 13 13-0008 EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	656.40	272.42
13 47 13 13-0009 EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	1,018.67	380.40
13 47 13 13-0010 EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	761.92	238.06
13 47 13 13-0011 EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,163.10	317.82
13 47 13 13-0012	High Silicon Cast Iron Type ^(13 47 13 13-0001)		
13 47 13 13-0013 EA	2.66" x 84", 70 Lb., High Silicon Cast Iron Anode	2,226.27	380.40
13 47 13 13-0014	Metal Oxide Type ^(13 47 13 13-0001)		
13 47 13 13-0015 EA	1" x 60", 5 Lb., Mixed Metal Oxide Anode.....	1,113.28	188.32
	Note: Includes center connected #8 HMWPE/HALAR Lead wire.		
13 47 13 13-0016	Rectifiers ^(13 47 13 13)		
13 47 13 13-0017	Air-Cooled, Silicon Type ^(13 47 13 13-0016)		
13 47 13 13-0018 EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,264.39	386.80
13 47 13 13-0019 EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,450.40	386.80



Special Construction		13
Integrated Construction		13 40
Facility Protection		13 47

13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0020 Oil Immersed, Silicon Type (13 47 13 13-0016)		
13 47 13 13-0021 EA Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type.....	3,417.59	447.24
13 47 13 13-0022 EA Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type.....	3,616.88	447.24
13 47 13 13-0023 Anode Backfill (13 47 13 13)		
13 47 13 13-0024 LB Anode Backfill, Coke Breeze	1.29	0.49
13 47 13 13-0025 Cathodic Protection Cable (13 47 13 13)		
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 8	2,603.79	952.25
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2 - No 6	2,913.87	952.25
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2 - No 4	3,378.97	952.25
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2 - No 2	4,154.16	952.25
13 47 13 13-0030 MLF Cathodic Protection Cable, OR2 - No 1	5,195.37	1,049.19
13 47 13 13-0031 MLF Cathodic Protection Cable, OR2-No 1/0	5,776.75	1,049.19
13 47 13 13-0032 MLF Cathodic Protection Cable, OR2-No 2/0	6,745.73	1,049.19
13 47 13 13-0033 MLF Cathodic Protection Cable, OR2-No 4/0	9,259.41	1,143.67
13 47 13 13-0034 Cathodic Test Stations (13 47 13 13)		
13 47 13 13-0035 Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0034)		
13 47 13 13-0036 EA Cathodic Test Station, Flush Curb Type With Lockable Cover	334.70	111.47
13 47 13 16 Cathodic Protection for Underground Storage Tanks (13 47 13)		
See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.		

END OF SECTION 13

13	13	Special Construction
	13 40	Integrated Construction
	13 47	Facility Protection



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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Plumbing		22
Common Work Results for Plumbing		22 05
General-Duty Valves for Plumbing Piping		22 05 23

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 05 Common Work Results for Plumbing ⁽²²⁾

22 05 23 General-Duty Valves for Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001	Gate Valves ^(22 05 23)		
22 05 23 00-0002	Class 125 Brazed Or Soldered Bronze Gate Valves ^(22 05 23 00-0001)		
Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)			
22 05 23 00-0003	EA 1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	102.30	13.28
	For 150 Lb. Rating, Add	6.36	
	For 200 Lb. Rating, Add	9.55	
	For Work In Restricted Working Space, Add	11.60	
22 05 23 00-0004	EA 3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	104.33	13.28
	For 150 Lb. Rating, Add	6.36	
	For 200 Lb. Rating, Add	9.55	
	For Work In Restricted Working Space, Add	12.21	
22 05 23 00-0005	EA 1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	106.84	13.28
	For 150 Lb. Rating, Add	6.40	
	For 200 Lb. Rating, Add	9.60	
	For Work In Restricted Working Space, Add	12.85	
22 05 23 00-0006	EA 3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	126.51	14.61
	For 150 Lb. Rating, Add	6.88	
	For 200 Lb. Rating, Add	10.32	
	For Work In Restricted Working Space, Add	17.32	
22 05 23 00-0007	EA 1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	154.15	16.60
	For 150 Lb. Rating, Add	8.43	
	For 200 Lb. Rating, Add	12.64	
	For Work In Restricted Working Space, Add	20.96	
22 05 23 00-0008	EA 1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	226.10	17.66
	For 150 Lb. Rating, Add	13.76	
	For 200 Lb. Rating, Add	20.64	
	For Work In Restricted Working Space, Add	26.55	
22 05 23 00-0009	EA 1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	251.67	20.44
	For 150 Lb. Rating, Add	14.95	
	For 200 Lb. Rating, Add	22.43	
	For Work In Restricted Working Space, Add	30.64	
22 05 23 00-0010	EA 2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	301.87	24.16
	For 150 Lb. Rating, Add	18.12	
	For 200 Lb. Rating, Add	27.18	
	For Work In Restricted Working Space, Add	36.21	
22 05 23 00-0011	EA 2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	688.50	32.64
	For 150 Lb. Rating, Add	52.55	
	For 200 Lb. Rating, Add	78.83	
	For Work In Restricted Working Space, Add	48.90	
	For Chain Operated Type, Add	236.48	
22 05 23 00-0012	EA 3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	808.19	37.89
	For 150 Lb. Rating, Add	62.01	
	For 200 Lb. Rating, Add	93.02	
	For Work In Restricted Working Space, Add	56.42	
22 05 23 00-0013	Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves ^(22 05 23 00-0001)		
Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, NIBCO T113-LF)			
22 05 23 00-0014	EA 1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	123.50	13.28
	For 150 Lb. Rating, Add	8.48	
	For 200 Lb. Rating, Add	12.73	
	For Work In Restricted Working Space, Add	11.60	
22 05 23 00-0015	EA 3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	125.35	13.28
	For 150 Lb. Rating, Add	8.47	
	For 200 Lb. Rating, Add	12.70	
	For Work In Restricted Working Space, Add	12.21	
22 05 23 00-0016	EA 1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	146.02	13.28
	For 150 Lb. Rating, Add	10.32	
	For 200 Lb. Rating, Add	15.48	
	For Work In Restricted Working Space, Add	12.85	
22 05 23 00-0017	EA 3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	165.70	14.61
	For 150 Lb. Rating, Add	10.80	
	For 200 Lb. Rating, Add	16.20	
	For Work In Restricted Working Space, Add	17.32	
22 05 23 00-0018	EA 1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	198.86	16.60
	For 150 Lb. Rating, Add	12.90	
	For 200 Lb. Rating, Add	19.35	
	For Work In Restricted Working Space, Add	20.96	
22 05 23 00-0019	EA 1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	287.25	17.66
	For 150 Lb. Rating, Add	19.87	
	For 200 Lb. Rating, Add	29.81	
	For Work In Restricted Working Space, Add	26.55	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0020 EA 1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For Work In Restricted Working Space, Add	328.59 22.65 33.97 30.64	20.44
22 05 23 00-0021 EA 2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For Work In Restricted Working Space, Add	420.72 30.00 45.00 36.21	24.16
22 05 23 00-0022 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves (22 05 23 00-0001) Note: 200 psi cold working pressure.		
22 05 23 00-0023 EA 1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve For Work In Restricted Working Space, Add	140.82 8.96	13.28
22 05 23 00-0024 EA 3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve For Work In Restricted Working Space, Add	158.60 10.21	14.61
22 05 23 00-0025 EA 1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve For Work In Restricted Working Space, Add	208.43 12.20	16.60
22 05 23 00-0026 EA 1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve For Work In Restricted Working Space, Add	284.17 13.44	17.66
22 05 23 00-0027 EA 1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve For Work In Restricted Working Space, Add	329.42 14.94	20.44
22 05 23 00-0028 EA 2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve For Work In Restricted Working Space, Add	453.41 17.93	24.16
22 05 23 00-0029 Ball Valves (22 05 23)		
22 05 23 00-0030 Crimped Bronze, Ball Valves (22 05 23 00-0029)		
22 05 23 00-0031 Crimped Bronze, 250 PSI, Ball Valves (22 05 23 00-0030) Note: NIBCO		
22 05 23 00-0032 EA 1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	96.88 8.96	13.28
22 05 23 00-0033 EA 3/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	125.34 10.21	14.61
22 05 23 00-0034 EA 1" Diameter, Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	160.86 12.20	16.60
22 05 23 00-0035 EA 1-1/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	259.80 13.44	17.66
22 05 23 00-0036 EA 1-1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	343.34 14.94	20.44
22 05 23 00-0037 EA 2" Diameter, Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	517.41 17.93	24.16
22 05 23 00-0038 Crimped Bronze, 200 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0039 EA 1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	59.10 8.96	13.28
22 05 23 00-0040 EA 3/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	75.10 10.21	14.61
22 05 23 00-0041 EA 1" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	91.22 12.20	16.60
22 05 23 00-0042 EA 1-1/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	126.98 13.44	17.66
22 05 23 00-0043 EA 1-1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	163.55 14.94	20.44
22 05 23 00-0044 EA 2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	241.45 17.93	24.16
22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0046 EA 1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	67.79 8.96	13.28
22 05 23 00-0047 EA 3/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	81.42 10.21	14.61
22 05 23 00-0048 EA 1" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	101.33 12.20	16.60
22 05 23 00-0049 EA 1-1/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	158.57 13.44	17.66
22 05 23 00-0050 EA 1-1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	231.49 14.94	20.44
22 05 23 00-0051 EA 2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	320.45 17.93	24.16
22 05 23 00-0052 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0053 EA 1/2" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	65.42 8.96	13.28
22 05 23 00-0054 EA 3/4" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	79.21 10.21	14.61
22 05 23 00-0055 EA 1" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	96.27 12.20	16.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0056 Check Valves (22 05 23)		
22 05 23 00-0057 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (22 05 23 00-0056)		
Note: NIBCO		
22 05 23 00-0058 EA 1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	184.73 8.96	13.28
22 05 23 00-0059 EA 3/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	235.12 10.21	14.61
22 05 23 00-0060 EA 1" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	324.96 12.20	16.60
22 05 23 00-0061 EA 1-1/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	433.12 13.44	17.66
22 05 23 00-0062 EA 1-1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	516.69 14.94	20.44
22 05 23 00-0063 EA 2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	739.31 17.93	24.16
22 05 23 00-0064 Crimped Bronze, 250 PSI, In-Line, Check Valves (22 05 23 00-0056)		
22 05 23 00-0065 EA 1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	52.43 8.96	13.28
22 05 23 00-0066 EA 3/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	62.89 10.21	14.61
22 05 23 00-0067 EA 1" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	73.93 12.20	16.60
22 05 23 00-0068 EA 1-1/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	92.92 13.44	17.66
22 05 23 00-0069 EA 1-1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	118.09 14.94	20.44
22 05 23 00-0070 EA 2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	184.05 17.93	24.16
22 05 23 00-0071 Butterfly Valves (22 05 23)		
22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (22 05 23 00-0071)		
22 05 23 00-0073 EA 2-1/2" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve For Work In Restricted Working Space, Add	1,378.26 20.91	35.45
22 05 23 00-0074 EA 3" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve For Work In Restricted Working Space, Add	1,492.21 24.90	41.16
22 05 23 00-0075 EA 4" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve For Work In Restricted Working Space, Add	1,865.45 32.86	46.47
22 05 23 00-0076 Regulator Valves (22 05 23)		
22 05 23 00-0077 EA 4" Diameter, Regulator Valve (Cla-Val)	4,053.46	
22 05 23 00-0078 EA 8" Diameter, Regulator Valve (Cla-Val)	5,513.89	
22 05 23 00-0079 EA 10" Diameter, Regulator Valve (Cla-Val)	7,517.65	
22 05 23 00-0080 EA 12" Diameter, Regulator Valve (Cla-Val)	9,117.48	
22 05 23 00-0081 EA 18" Diameter, Regulator Valve (Cla-Val)	16,028.28	
22 05 23 00-0082 EA 24" Diameter, Regulator Valve (Cla-Val)	25,922.09	
22 05 23 00-0083 Earthquake-Sensitive Gas Shut-Off Valves (22 05 23)		
22 05 23 00-0084 0.5 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0083)		
22 05 23 00-0085 EA 3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	190.93	14.61
22 05 23 00-0086 EA 1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	216.53	16.60
22 05 23 00-0087 7 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0083)		
22 05 23 00-0088 EA 1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	253.49	17.66
22 05 23 00-0089 EA 1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	340.44	20.44
22 05 23 00-0090 60 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0083)		
22 05 23 00-0091 EA 3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	234.92	14.61
22 05 23 00-0092 EA 1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	247.08	16.60
22 05 23 00-0093 EA 1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	277.94	17.66
22 05 23 00-0094 EA 1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	377.10	20.44
22 05 23 00-0095 EA 2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	853.96	24.16
22 05 23 00-0096 EA 2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,017.91	32.52
22 05 23 00-0097 EA 3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,318.51	37.89
22 05 23 00-0098 EA 4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,527.71	42.78
22 05 23 00-0099 60 PSI Flanged Earthquake Gas Shutoff Valves (22 05 23 00-0083)		
22 05 23 00-0100 EA 2" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,198.96	176.98
22 05 23 00-0101 EA 3" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,476.09	207.82
22 05 23 00-0102 EA 4" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,086.44	348.41

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 05 23 00-0103	EA		6" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,387.10	410.66
22 05 23 00-0104	EA		8" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	9,084.33	524.73

22 05 76 Facility Drainage Piping Cleanouts (22 05)**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover (22 05 76)**

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover (22 05 76 00-0001)

22 05 76 00-0003	EA		2" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	842.21	70.63
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004	EA		3" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	907.12	88.56
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005	EA		4" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,133.51	107.01
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006	EA		5" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,635.10	119.76
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007	EA		6" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	2,016.98	129.72
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008			Cast Iron Heavy-Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)		
22 05 76 00-0009	EA		2" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	973.25	70.63
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010	EA		3" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,040.24	88.56
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011	EA		4" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,266.63	107.01
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012	EA		5" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,768.22	119.76
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	



		Plumbing	22
		Common Work Results for Plumbing	22 05
		Facility Drainage Piping Cleanouts	22 05 76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0013	EA		6" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	2,150.10	129.72
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014			Wall Cover For Cleanout (22 05 76)		
			Note: Cover and screw only.		
22 05 76 00-0015			Round Access Cover, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0016	EA		4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	93.11	22.17
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017	EA		5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	101.97	26.56
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018	EA		7" Diameter Wall Cover For Cleanout, Screwed.....	127.90	29.87
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	206.54	33.19
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020	EA		11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	303.19	36.51
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0021			Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0022	EA		7" x 7" Bronze Wall Or Floor Access Cover.....	593.11	22.17
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0023	EA		9" x 9" Bronze Wall Or Floor Access Cover.....	854.51	23.24
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0024	EA		10" x 10" Bronze Wall Or Floor Access Cover.....	913.06	24.57
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0025	EA		14" x 14" Bronze Wall Or Floor Access Cover.....	1,021.34	27.89
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0026			Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0027	EA		6" x 6" Bronze Secured Wall Access Panel.....	603.60	22.17
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0028	EA		8" x 8" Bronze Secured Wall Access Panel.....	869.96	23.24
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0029	EA		10" x 10" Bronze Secured Wall Access Panel.....	929.58	24.57
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel.....	1,039.81	27.89
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0031			Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel, Scoriated.....	585.48	22.17
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	810.40	23.24
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated.....	1,149.70	24.57
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated.....	1,391.99	27.89
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0036			Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037			Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036)		
			Note: Satin smooth secured cover.		

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0038 EA 2" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	643.64 19.50 88.80	70.63
22 05 76 00-0039 EA 3" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	731.71 19.50 88.80	88.43
22 05 76 00-0040 EA 4" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	959.41 19.50 88.80	107.01
22 05 76 00-0041 EA 6" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	2,352.25 19.50 88.80	129.72
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	1,146.04 19.50 88.80	70.63
22 05 76 00-0044 EA 3" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	1,234.11 19.50 88.80	88.43
22 05 76 00-0045 EA 4" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	1,428.47 19.50 88.80	107.01
22 05 76 00-0046 EA 6" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	3,030.85 19.50 88.80	129.72
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	497.30	57.76
22 05 76 00-0049 EA 3" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	556.47	63.07
22 05 76 00-0050 EA 4" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	741.95	82.99
22 05 76 00-0051 EA 5" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	1,123.37	98.25
22 05 76 00-0052 EA 6" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	1,931.63	116.17
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Diameter, Threaded Bronze Plug For Plug Tapped For Center Screw, Add	87.23 9.50	16.60
22 05 76 00-0056 EA 2-1/2" Diameter, Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	104.61 9.50	18.06
22 05 76 00-0057 EA 3" Diameter, Threaded Bronze Plug For Plug Tapped For Center Screw, Add	179.61 9.50	19.92
22 05 76 00-0058 EA 3-1/2" Diameter, Threaded Bronze Plug For Plug Tapped For Center Screw, Add	200.97 9.50	23.24
22 05 76 00-0059 EA 4" Diameter, Threaded Bronze Plug For Plug Tapped For Center Screw, Add	227.23 9.50	26.56
22 05 76 00-0060 EA 5" Diameter, Threaded Bronze Plug For Plug Tapped For Center Screw, Add	319.66 9.50	29.87
22 05 76 00-0061 EA 6" Diameter, Threaded Bronze Plug For Plug Tapped For Center Screw, Add	470.90 9.50	33.19
22 05 76 00-0062 EA 8" Diameter, Threaded Bronze Plug For Plug Tapped For Center Screw, Add	796.06 9.50	36.51
22 05 76 00-0063 EA 10" Diameter, Threaded Bronze Plug For Plug Tapped For Center Screw, Add	1,145.83 9.50	39.83
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	36.65 9.50	16.60
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	37.26 9.50	16.60
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	40.60 9.50	18.06
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	45.90 9.50	19.91
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	54.17 9.50	23.24
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	63.54 9.50	26.55
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	68.21 9.50	27.97
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	73.25 9.50	29.87
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	94.52 9.50	33.19
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	36.18 9.50	16.60
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	36.85 9.50	16.60



Plumbing		22	22
Common Work Results for Plumbing		22 05	
Facility Drainage Piping Cleanouts		22 05 76	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	41.91 9.50	18.06
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	46.09 9.50	19.92
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	53.61 9.50	23.24
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	62.65 9.50	26.56
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	72.77 9.50	29.87
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	86.67 9.50	33.19

22 07 Plumbing Insulation (22)

22 07 19 Plumbing Piping Insulation (22 07)

22 07 19 00-0001	Insulation Protective Jacketing (22 07 19) Note: Jacketing only and to be added to insulation prices when required. ID = inside diameter.		
22 07 19 00-0002	Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0001)		
22 07 19 00-0003	Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0002)		
22 07 19 00-0004 SF	0.006" Aluminum Insulation Jacket With Bands.....	23.65	10.13
22 07 19 00-0005 SF	0.016" Aluminum Insulation Jacket With Bands.....	24.34	10.13
22 07 19 00-0006	16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0002)		
22 07 19 00-0007 LF	1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.28 0.01 0.02	2.87
22 07 19 00-0008 LF	3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.78 0.01 0.03	2.94
22 07 19 00-0009 LF	1" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.27 0.01 0.03	3.02
22 07 19 00-0010 LF	1-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.80 0.01 0.04	3.09
22 07 19 00-0011 LF	1-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.21 0.02 0.04	3.14
22 07 19 00-0012 LF	1-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.62 0.02 0.05	3.18
22 07 19 00-0013 LF	2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.12 0.02 0.05	3.25
22 07 19 00-0014 LF	2-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.62 0.02 0.06	3.32
22 07 19 00-0015 LF	2-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.16 0.03 0.07	3.39
22 07 19 00-0016 LF	2-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.60 0.03 0.07	3.44
22 07 19 00-0017 LF	3" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.16 0.03 0.08	3.52
22 07 19 00-0018 LF	3-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.71 0.03 0.08	3.60
22 07 19 00-0019 LF	3-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.26 0.04 0.09	3.68
22 07 19 00-0020 LF	3-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.76 0.04 0.09	3.75
22 07 19 00-0021 LF	4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.36 0.04 0.10	3.84
22 07 19 00-0022 LF	4-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.97 0.04 0.11	3.93
22 07 19 00-0023 LF	4-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.61 0.04 0.11	4.03
22 07 19 00-0024 LF	4-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.16 0.05 0.12	4.11

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0025	LF	5" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.82	4.22
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.12	
22 07 19 00-0026	LF	5-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.51	4.33
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.13	
22 07 19 00-0027	LF	5-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.11	4.42
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.14	
22 07 19 00-0028	LF	5-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.87	4.55
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.14	
22 07 19 00-0029	LF	6" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	24.63	4.68
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.15	
22 07 19 00-0030	LF	6-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.15	4.75
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.15	
22 07 19 00-0031	LF	6-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.67	4.83
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.16	
22 07 19 00-0032	LF	7" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	26.55	4.94
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.17	
22 07 19 00-0033	LF	7-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	27.24	5.07
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.17	
22 07 19 00-0034	LF	7-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	27.80	5.15
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.18	
22 07 19 00-0035	LF	8" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	28.61	5.24
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.19	
22 07 19 00-0036	LF	8-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	29.41	5.32
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.20	
22 07 19 00-0037	LF	9" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	30.41	5.46
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.21	
22 07 19 00-0038	LF	9-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	31.28	5.55
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.23	
22 07 19 00-0039	LF	10" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	32.12	5.65
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.24	
22 07 19 00-0040	LF	10-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	33.00	5.75
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.25	
22 07 19 00-0041	LF	11" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	34.09	5.92
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.26	
22 07 19 00-0042	LF	11-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	35.03	6.03
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.27	
22 07 19 00-0043	LF	12" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	35.95	6.14
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.28	
22 07 19 00-0044	LF	12-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	37.15	6.33
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.30	
22 07 19 00-0045	LF	13" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	37.85	6.39
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.31	
22 07 19 00-0046	LF	14" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	39.05	6.46
		For Stucco Embossed, Add	0.13	
		For Corrugated, Add	0.33	
22 07 19 00-0047	LF	15" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	40.50	6.59
		For Stucco Embossed, Add	0.14	
		For Corrugated, Add	0.35	
22 07 19 00-0048	LF	16" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	41.71	6.66
		For Stucco Embossed, Add	0.15	
		For Corrugated, Add	0.38	
22 07 19 00-0049	LF	17" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	43.20	6.80
		For Stucco Embossed, Add	0.16	
		For Corrugated, Add	0.40	
22 07 19 00-0050	LF	18" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	44.12	6.87
		For Stucco Embossed, Add	0.17	
		For Corrugated, Add	0.42	
22 07 19 00-0051	LF	19" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	45.96	7.04
		For Stucco Embossed, Add	0.18	
		For Corrugated, Add	0.45	
22 07 19 00-0052	LF	20" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	47.20	7.12
		For Stucco Embossed, Add	0.19	
		For Corrugated, Add	0.47	



Plumbing		22
Plumbing Insulation		22 07
Plumbing Piping Insulation		22 07 19

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0053	LF	21" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	48.77 0.20 0.49	7.28
22 07 19 00-0054	LF	22" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	50.02 0.21 0.51	7.36
22 07 19 00-0055	LF	23" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	51.66 0.22 0.54	7.54
22 07 19 00-0056	LF	24" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	52.93 0.22 0.56	7.63
22 07 19 00-0057		20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0002)		
22 07 19 00-0058	LF	1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	13.63 0.01 0.02	3.17
22 07 19 00-0059	LF	3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	14.21 0.01 0.03	3.24
22 07 19 00-0060	LF	1" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	14.81 0.02 0.04	3.32
22 07 19 00-0061	LF	1-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	15.43 0.02 0.05	3.40
22 07 19 00-0062	LF	1-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	15.92 0.02 0.05	3.45
22 07 19 00-0063	LF	1-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	16.41 0.02 0.06	3.50
22 07 19 00-0064	LF	2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	16.99 0.03 0.07	3.57
22 07 19 00-0065	LF	2-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	17.58 0.03 0.08	3.65
22 07 19 00-0066	LF	2-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	18.21 0.03 0.08	3.72
22 07 19 00-0067	LF	2-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	18.75 0.04 0.09	3.78
22 07 19 00-0068	LF	3" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	19.41 0.04 0.10	3.87
22 07 19 00-0069	LF	3-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	20.04 0.04 0.11	3.96
22 07 19 00-0070	LF	3-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	20.70 0.05 0.11	4.05
22 07 19 00-0071	LF	3-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	21.27 0.05 0.12	4.12
22 07 19 00-0072	LF	4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	21.96 0.05 0.13	4.22
22 07 19 00-0073	LF	4-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	22.68 0.05 0.13	4.32
22 07 19 00-0074	LF	4-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	23.44 0.06 0.14	4.43
22 07 19 00-0075	LF	4-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	24.07 0.06 0.15	4.52
22 07 19 00-0076	LF	5" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	24.84 0.06 0.16	4.64
22 07 19 00-0077	LF	5-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	25.65 0.07 0.16	4.76
22 07 19 00-0078	LF	5-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	26.34 0.07 0.17	4.86
22 07 19 00-0079	LF	5-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	27.22 0.07 0.18	5.01
22 07 19 00-0080	LF	6" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	28.09 0.07 0.19	5.16

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0081	LF	6-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	28.69	5.24
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.19	
22 07 19 00-0082	LF	6-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	29.31	5.32
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.20	
22 07 19 00-0083	LF	7" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	30.35	5.44
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.21	
22 07 19 00-0084	LF	7-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	31.16	5.57
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.22	
22 07 19 00-0085	LF	7-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	31.81	5.66
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.23	
22 07 19 00-0086	LF	8" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	32.79	5.76
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.24	
22 07 19 00-0087	LF	8-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	33.73	5.85
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.26	
22 07 19 00-0088	LF	9" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	34.91	6.00
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.27	
22 07 19 00-0089	LF	9-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	35.95	6.11
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.29	
22 07 19 00-0090	LF	10" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	36.96	6.22
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.30	
22 07 19 00-0091	LF	10-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	37.99	6.33
		For Stucco Embossed, Add	0.13	
		For Corrugated, Add	0.32	
22 07 19 00-0092	LF	11" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	39.28	6.50
		For Stucco Embossed, Add	0.13	
		For Corrugated, Add	0.33	
22 07 19 00-0093	LF	11-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	40.38	6.63
		For Stucco Embossed, Add	0.14	
		For Corrugated, Add	0.35	
22 07 19 00-0094	LF	12" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	41.48	6.76
		For Stucco Embossed, Add	0.14	
		For Corrugated, Add	0.36	
22 07 19 00-0095	LF	12-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	42.87	6.96
		For Stucco Embossed, Add	0.15	
		For Corrugated, Add	0.38	
22 07 19 00-0096	LF	13" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	43.73	7.04
		For Stucco Embossed, Add	0.16	
		For Corrugated, Add	0.39	
22 07 19 00-0097	LF	14" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	45.20	7.11
		For Stucco Embossed, Add	0.17	
		For Corrugated, Add	0.42	
22 07 19 00-0098	LF	15" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	46.95	7.26
		For Stucco Embossed, Add	0.18	
		For Corrugated, Add	0.45	
22 07 19 00-0099	LF	16" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	48.46	7.33
		For Stucco Embossed, Add	0.19	
		For Corrugated, Add	0.48	
22 07 19 00-0100	LF	17" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	50.23	7.49
		For Stucco Embossed, Add	0.20	
		For Corrugated, Add	0.51	
22 07 19 00-0101	LF	18" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	51.36	7.57
		For Stucco Embossed, Add	0.21	
		For Corrugated, Add	0.53	
22 07 19 00-0102	LF	19" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	53.59	7.74
		For Stucco Embossed, Add	0.23	
		For Corrugated, Add	0.57	
22 07 19 00-0103	LF	20" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	55.12	7.82
		For Stucco Embossed, Add	0.24	
		For Corrugated, Add	0.60	
22 07 19 00-0104	LF	21" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	57.00	8.00
		For Stucco Embossed, Add	0.25	
		For Corrugated, Add	0.62	
22 07 19 00-0105	LF	22" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	58.52	8.09
		For Stucco Embossed, Add	0.26	
		For Corrugated, Add	0.65	
22 07 19 00-0106	LF	23" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	60.49	8.29
		For Stucco Embossed, Add	0.27	
		For Corrugated, Add	0.68	
22 07 19 00-0107	LF	24" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	62.04	8.39
		For Stucco Embossed, Add	0.28	
		For Corrugated, Add	0.71	

22 07 19 00-0108 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture
Barrier And Bands (22 07 19 00-0002)



Plumbing		22
Plumbing Insulation		22 07
Plumbing Piping Insulation		22 07 19

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0109	LF	1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.98 0.01 0.03	3.46
22 07 19 00-0110	LF	3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.64 0.02 0.04	3.53
22 07 19 00-0111	LF	1" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.32 0.02 0.05	3.62
22 07 19 00-0112	LF	1-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.02 0.02 0.06	3.71
22 07 19 00-0113	LF	1-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.59 0.03 0.06	3.76
22 07 19 00-0114	LF	1-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.17 0.03 0.07	3.82
22 07 19 00-0115	LF	2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.82 0.03 0.08	3.90
22 07 19 00-0116	LF	2-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.50 0.04 0.09	3.98
22 07 19 00-0117	LF	2-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.22 0.04 0.10	4.06
22 07 19 00-0118	LF	2-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.83 0.04 0.11	4.13
22 07 19 00-0119	LF	3" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.58 0.05 0.12	4.22
22 07 19 00-0120	LF	3-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.32 0.05 0.13	4.31
22 07 19 00-0121	LF	3-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.06 0.05 0.14	4.41
22 07 19 00-0122	LF	3-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.72 0.06 0.14	4.49
22 07 19 00-0123	LF	4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.50 0.06 0.15	4.60
22 07 19 00-0124	LF	4-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.30 0.06 0.16	4.71
22 07 19 00-0125	LF	4-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.18 0.07 0.17	4.83
22 07 19 00-0126	LF	4-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.90 0.07 0.18	4.93
22 07 19 00-0127	LF	5" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.77 0.08 0.19	5.07
22 07 19 00-0128	LF	5-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.66 0.08 0.20	5.21
22 07 19 00-0129	LF	5-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.46 0.08 0.21	5.31
22 07 19 00-0130	LF	5-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.46 0.09 0.22	5.47
22 07 19 00-0131	LF	6" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.45 0.09 0.22	5.63
22 07 19 00-0132	LF	6-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.13 0.09 0.23	5.71
22 07 19 00-0133	LF	6-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.83 0.10 0.24	5.80
22 07 19 00-0134	LF	7" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.01 0.10 0.26	5.93
22 07 19 00-0135	LF	7-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.93 0.11 0.27	6.08
22 07 19 00-0136	LF	7-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.67 0.11 0.27	6.17

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0137 LF 8" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	36.80	6.28
For Stucco Embossed, Add	0.12	
For Corrugated, Add	0.29	
22 07 19 00-0138 LF 8-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	37.89	6.38
For Stucco Embossed, Add	0.12	
For Corrugated, Add	0.31	
22 07 19 00-0139 LF 9" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	39.24	6.54
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.33	
22 07 19 00-0140 LF 9-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	40.43	6.66
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.34	
22 07 19 00-0141 LF 10" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	41.61	6.78
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.36	
22 07 19 00-0142 LF 10-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	42.79	6.90
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.38	
22 07 19 00-0143 LF 11" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	44.25	7.10
For Stucco Embossed, Add	0.16	
For Corrugated, Add	0.40	
22 07 19 00-0144 LF 11-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	45.53	7.24
For Stucco Embossed, Add	0.17	
For Corrugated, Add	0.41	
22 07 19 00-0145 LF 12" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	46.79	7.38
For Stucco Embossed, Add	0.17	
For Corrugated, Add	0.43	
22 07 19 00-0146 LF 12-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	48.36	7.60
For Stucco Embossed, Add	0.18	
For Corrugated, Add	0.45	
22 07 19 00-0147 LF 13" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	49.35	7.67
For Stucco Embossed, Add	0.19	
For Corrugated, Add	0.47	
22 07 19 00-0148 LF 14" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	51.09	7.75
For Stucco Embossed, Add	0.20	
For Corrugated, Add	0.50	
22 07 19 00-0149 LF 15" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	53.13	7.91
For Stucco Embossed, Add	0.21	
For Corrugated, Add	0.54	
22 07 19 00-0150 LF 16" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	54.88	7.99
For Stucco Embossed, Add	0.23	
For Corrugated, Add	0.57	
22 07 19 00-0151 LF 17" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	56.95	8.17
For Stucco Embossed, Add	0.24	
For Corrugated, Add	0.61	
22 07 19 00-0152 LF 18" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	58.27	8.25
For Stucco Embossed, Add	0.25	
For Corrugated, Add	0.63	
22 07 19 00-0153 LF 19" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	60.85	8.44
For Stucco Embossed, Add	0.27	
For Corrugated, Add	0.68	
22 07 19 00-0154 LF 20" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	62.65	8.53
For Stucco Embossed, Add	0.29	
For Corrugated, Add	0.71	
22 07 19 00-0155 LF 21" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	64.82	8.73
For Stucco Embossed, Add	0.30	
For Corrugated, Add	0.75	
22 07 19 00-0156 LF 22" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	66.62	8.83
For Stucco Embossed, Add	0.31	
For Corrugated, Add	0.78	
22 07 19 00-0157 LF 23" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	68.88	9.05
For Stucco Embossed, Add	0.33	
For Corrugated, Add	0.82	
22 07 19 00-0158 LF 24" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	70.70	9.15
For Stucco Embossed, Add	0.34	
For Corrugated, Add	0.85	
22 07 19 00-0159 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0002)		
22 07 19 00-0160 LF 1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	16.88	3.83
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0161 LF 3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	17.69	3.92
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0162 LF 1" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.52	4.01
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0163 LF 1-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	19.38	4.11
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0164 LF 1-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	20.09	4.17
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.09	



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0165	LF	1-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	20.80	4.23
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.10	
22 07 19 00-0166	LF	2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	21.62	4.32
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.11	
22 07 19 00-0167	LF	2-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	22.44	4.41
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.12	
22 07 19 00-0168	LF	2-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	23.35	4.50
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.13	
22 07 19 00-0169	LF	2-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	24.10	4.57
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.15	
22 07 19 00-0170	LF	3" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	25.02	4.67
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.16	
22 07 19 00-0171	LF	3-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	25.93	4.78
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.17	
22 07 19 00-0172	LF	3-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	26.83	4.89
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.18	
22 07 19 00-0173	LF	3-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	27.63	4.98
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.19	
22 07 19 00-0174	LF	4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	28.58	5.11
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.20	
22 07 19 00-0175	LF	4-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	29.55	5.23
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.22	
22 07 19 00-0176	LF	4-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	30.61	5.36
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.23	
22 07 19 00-0177	LF	4-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	31.50	5.47
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.24	
22 07 19 00-0178	LF	5" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	32.54	5.61
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.25	
22 07 19 00-0179	LF	5-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	33.63	5.77
		For Stucco Embossed, Add	.....	0.11	
		For Corrugated, Add	.....	0.26	
22 07 19 00-0180	LF	5-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	34.57	5.89
		For Stucco Embossed, Add	.....	0.11	
		For Corrugated, Add	.....	0.28	
22 07 19 00-0181	LF	5-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	35.76	6.06
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.29	
22 07 19 00-0182	LF	6" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	36.96	6.23
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.30	
22 07 19 00-0183	LF	6-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	37.79	6.33
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.31	
22 07 19 00-0184	LF	6-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	38.63	6.42
		For Stucco Embossed, Add	.....	0.13	
		For Corrugated, Add	.....	0.32	
22 07 19 00-0185	LF	7" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	40.10	6.57
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.35	
22 07 19 00-0186	LF	7-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	41.21	6.73
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.36	
22 07 19 00-0187	LF	7-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	42.11	6.84
		For Stucco Embossed, Add	.....	0.15	
		For Corrugated, Add	.....	0.37	
22 07 19 00-0188	LF	8" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	43.51	6.96
		For Stucco Embossed, Add	.....	0.16	
		For Corrugated, Add	.....	0.39	
22 07 19 00-0189	LF	8-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	44.88	7.08
		For Stucco Embossed, Add	.....	0.17	
		For Corrugated, Add	.....	0.41	
22 07 19 00-0190	LF	9" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	46.55	7.26
		For Stucco Embossed, Add	.....	0.18	
		For Corrugated, Add	.....	0.44	
22 07 19 00-0191	LF	9-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	48.04	7.39
		For Stucco Embossed, Add	.....	0.19	
		For Corrugated, Add	.....	0.46	
22 07 19 00-0192	LF	10" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	49.49	7.52
		For Stucco Embossed, Add	.....	0.19	
		For Corrugated, Add	.....	0.49	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0193	LF	10-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	50.97	7.65
		For Stucco Embossed, Add	0.20	
		For Corrugated, Add	0.51	
22 07 19 00-0194	LF	11" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	52.75	7.87
		For Stucco Embossed, Add	0.21	
		For Corrugated, Add	0.53	
22 07 19 00-0195	LF	11-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	54.34	8.02
		For Stucco Embossed, Add	0.22	
		For Corrugated, Add	0.56	
22 07 19 00-0196	LF	12" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	55.89	8.17
		For Stucco Embossed, Add	0.23	
		For Corrugated, Add	0.58	
22 07 19 00-0197	LF	12-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	57.80	8.42
		For Stucco Embossed, Add	0.24	
		For Corrugated, Add	0.60	
22 07 19 00-0198	LF	13" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	59.06	8.50
		For Stucco Embossed, Add	0.25	
		For Corrugated, Add	0.63	
22 07 19 00-0199	LF	14" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	61.33	8.59
		For Stucco Embossed, Add	0.27	
		For Corrugated, Add	0.67	
22 07 19 00-0200	LF	15" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	63.90	8.76
		For Stucco Embossed, Add	0.29	
		For Corrugated, Add	0.72	
22 07 19 00-0201	LF	16" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	66.18	8.86
		For Stucco Embossed, Add	0.31	
		For Corrugated, Add	0.77	
22 07 19 00-0202	LF	17" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	68.79	9.06
		For Stucco Embossed, Add	0.33	
		For Corrugated, Add	0.81	
22 07 19 00-0203	LF	18" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	70.46	9.15
		For Stucco Embossed, Add	0.34	
		For Corrugated, Add	0.85	
22 07 19 00-0204	LF	19" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	73.77	9.36
		For Stucco Embossed, Add	0.36	
		For Corrugated, Add	0.91	
22 07 19 00-0205	LF	20" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	76.11	9.46
		For Stucco Embossed, Add	0.38	
		For Corrugated, Add	0.96	
22 07 19 00-0206	LF	21" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	78.83	9.68
		For Stucco Embossed, Add	0.40	
		For Corrugated, Add	1.00	
22 07 19 00-0207	LF	22" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	81.15	9.79
		For Stucco Embossed, Add	0.42	
		For Corrugated, Add	1.05	
22 07 19 00-0208	LF	23" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	83.98	10.02
		For Stucco Embossed, Add	0.44	
		For Corrugated, Add	1.10	
22 07 19 00-0209	LF	24" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	86.32	10.14
		For Stucco Embossed, Add	0.46	
		For Corrugated, Add	1.14	
22 07 19 00-0210		40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0002)		
22 07 19 00-0211	LF	1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	19.58	4.40
		For Stucco Embossed, Add	0.02	
		For Corrugated, Add	0.05	
22 07 19 00-0212	LF	3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	20.57	4.50
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.06	
22 07 19 00-0213	LF	1" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	21.57	4.61
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.08	
22 07 19 00-0214	LF	1-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	22.60	4.72
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.09	
22 07 19 00-0215	LF	1-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	23.47	4.79
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.11	
22 07 19 00-0216	LF	1-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	24.35	4.86
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.12	
22 07 19 00-0217	LF	2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	25.32	4.96
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.14	
22 07 19 00-0218	LF	2-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	26.32	5.07
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.15	
22 07 19 00-0219	LF	2-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	27.41	5.18
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.17	
22 07 19 00-0220	LF	2-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	28.34	5.27
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.18	



Plumbing		22
Plumbing Insulation		22 07
Plumbing Piping Insulation		22 07 19

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0221	LF	3"	3" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	29.45 0.08 0.20	5.38
22 07 19 00-0222	LF	3-1/4"	3-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	30.53 0.09 0.21	5.50
22 07 19 00-0223	LF	3-1/2"	3-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	31.62 0.09 0.23	5.63
22 07 19 00-0224	LF	3-3/4"	3-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	32.59 0.10 0.24	5.73
22 07 19 00-0225	LF	4"	4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	33.74 0.10 0.26	5.87
22 07 19 00-0226	LF	4-1/4"	4-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	34.90 0.11 0.27	6.01
22 07 19 00-0227	LF	4-1/2"	4-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	36.17 0.12 0.29	6.17
22 07 19 00-0228	LF	4-3/4"	4-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	37.24 0.12 0.30	6.29
22 07 19 00-0229	LF	5"	5" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	38.48 0.13 0.32	6.45
22 07 19 00-0230	LF	5-1/4"	5-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	39.78 0.13 0.33	6.63
22 07 19 00-0231	LF	5-1/2"	5-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	40.92 0.14 0.35	6.77
22 07 19 00-0232	LF	5-3/4"	5-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	42.35 0.14 0.36	6.96
22 07 19 00-0233	LF	6"	6" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	43.76 0.15 0.38	7.18
22 07 19 00-0234	LF	6-1/4"	6-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	44.78 0.16 0.39	7.28
22 07 19 00-0235	LF	6-1/2"	6-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	45.80 0.16 0.41	7.40
22 07 19 00-0236	LF	7"	7" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	47.58 0.17 0.43	7.57
22 07 19 00-0237	LF	7-1/4"	7-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	48.89 0.18 0.45	7.75
22 07 19 00-0238	LF	7-1/2"	7-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	49.98 0.18 0.46	7.87
22 07 19 00-0239	LF	8"	8" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	51.68 0.20 0.49	8.01
22 07 19 00-0240	LF	8-1/2"	8-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	53.37 0.21 0.52	8.14
22 07 19 00-0241	LF	9"	9" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	55.37 0.22 0.55	8.35
22 07 19 00-0242	LF	9-1/2"	9-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	57.20 0.23 0.58	8.49
22 07 19 00-0243	LF	10"	10" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	58.96 0.24 0.61	8.64
22 07 19 00-0244	LF	10-1/2"	10-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	60.77 0.26 0.64	8.80
22 07 19 00-0245	LF	11"	11" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	62.91 0.27 0.67	9.05
22 07 19 00-0246	LF	11-1/2"	11-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	64.83 0.28 0.70	9.23
22 07 19 00-0247	LF	12"	12" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	66.72 0.29 0.73	9.40
22 07 19 00-0248	LF	12-1/2"	12-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	69.01 0.30 0.76	9.68

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0249	LF		13" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	70.57	9.78
			For Stucco Embossed, Add	0.31	
			For Corrugated, Add	0.79	
22 07 19 00-0250	LF		14" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	73.37	9.88
			For Stucco Embossed, Add	0.34	
			For Corrugated, Add	0.85	
22 07 19 00-0251	LF		15" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	76.52	10.09
			For Stucco Embossed, Add	0.36	
			For Corrugated, Add	0.90	
22 07 19 00-0252	LF		16" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	79.34	10.19
			For Stucco Embossed, Add	0.39	
			For Corrugated, Add	0.96	
22 07 19 00-0253	LF		17" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	82.55	10.41
			For Stucco Embossed, Add	0.41	
			For Corrugated, Add	1.02	
22 07 19 00-0254	LF		18" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	84.60	10.52
			For Stucco Embossed, Add	0.43	
			For Corrugated, Add	1.06	
22 07 19 00-0255	LF		19" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	88.67	10.76
			For Stucco Embossed, Add	0.46	
			For Corrugated, Add	1.14	
22 07 19 00-0256	LF		20" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	91.56	10.88
			For Stucco Embossed, Add	0.48	
			For Corrugated, Add	1.20	
22 07 19 00-0257	LF		21" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	94.88	11.13
			For Stucco Embossed, Add	0.50	
			For Corrugated, Add	1.26	
22 07 19 00-0258	LF		22" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	97.73	11.26
			For Stucco Embossed, Add	0.53	
			For Corrugated, Add	1.32	
22 07 19 00-0259	LF		23" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	101.21	11.53
			For Stucco Embossed, Add	0.55	
			For Corrugated, Add	1.38	
22 07 19 00-0260	LF		24" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	104.08	11.67
			For Stucco Embossed, Add	0.57	
			For Corrugated, Add	1.44	

22 07 19 00-0261 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0002)

22 07 19 00-0262	EA		1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	29.62	4.52
22 07 19 00-0263	EA		1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.29	4.68
22 07 19 00-0264	EA		2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	34.01	4.86
22 07 19 00-0265	EA		2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	34.31	4.94
22 07 19 00-0266	EA		2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	34.62	5.03
22 07 19 00-0267	EA		2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	35.11	5.15
22 07 19 00-0268	EA		3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	36.85	5.28
22 07 19 00-0269	EA		3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	37.39	5.41
22 07 19 00-0270	EA		3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	40.63	5.51
22 07 19 00-0271	EA		3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	41.50	5.60
22 07 19 00-0272	EA		4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	43.01	5.75
22 07 19 00-0273	EA		4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	43.99	5.86
22 07 19 00-0274	EA		4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	44.43	5.97
22 07 19 00-0275	EA		4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	44.89	6.09
22 07 19 00-0276	EA		5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	47.98	6.20
22 07 19 00-0277	EA		5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	52.04	6.33
22 07 19 00-0278	EA		5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	59.39	6.52
22 07 19 00-0279	EA		5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	59.93	6.66
22 07 19 00-0280	EA		6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	55.92	6.87
22 07 19 00-0281	EA		6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	56.53	7.04
22 07 19 00-0282	EA		6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	63.30	7.28
22 07 19 00-0283	EA		7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	71.30	7.45
22 07 19 00-0284	EA		7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	71.65	7.54
22 07 19 00-0285	EA		7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	91.54	7.63
22 07 19 00-0286	EA		8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	76.39	7.72
22 07 19 00-0287	EA		8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	115.75	7.91
22 07 19 00-0288	EA		9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	116.55	8.11
22 07 19 00-0289	EA		9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	94.73	8.22
22 07 19 00-0290	EA		10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	95.17	8.33
22 07 19 00-0291	EA		10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	96.96	8.44
22 07 19 00-0292	EA		11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	97.41	8.55
22 07 19 00-0293	EA		11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	107.00	8.79
22 07 19 00-0294	EA		12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	107.50	8.91
22 07 19 00-0295	EA		12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	164.57	9.18
22 07 19 00-0296	EA		13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	165.11	9.31
22 07 19 00-0297	EA		14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	209.84	9.59
22 07 19 00-0298	EA		15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	218.84	9.89
22 07 19 00-0299	EA		16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	235.75	10.05
22 07 19 00-0300	EA		2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	32.09	5.03
22 07 19 00-0301	EA		2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	32.58	5.15
22 07 19 00-0302	EA		3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.66	5.28
22 07 19 00-0303	EA		3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.20	5.41
22 07 19 00-0304	EA		3-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	37.48	5.51
22 07 19 00-0305	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	37.87	5.60



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0306	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	38.74	5.75
22 07 19 00-0307	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.38	5.86
22 07 19 00-0308	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.82	5.97
22 07 19 00-0309	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	42.28	6.09
22 07 19 00-0310	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	45.88	6.20
22 07 19 00-0311	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	46.39	6.33
22 07 19 00-0312	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	48.19	6.52
22 07 19 00-0313	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	49.61	6.87
22 07 19 00-0314	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	59.61	7.28
22 07 19 00-0315	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	60.30	7.45
22 07 19 00-0316	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	61.29	7.63
22 07 19 00-0317	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	61.66	7.72
22 07 19 00-0318	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	69.95	7.91
22 07 19 00-0319	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	70.75	8.11
22 07 19 00-0320	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	86.03	8.22
22 07 19 00-0321	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	86.47	8.33
22 07 19 00-0322	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	83.48	8.44
22 07 19 00-0323	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	83.93	8.55
22 07 19 00-0324	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	94.89	8.79
22 07 19 00-0325	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	95.39	8.91
22 07 19 00-0326	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	107.34	9.31
22 07 19 00-0327	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	124.38	9.59
22 07 19 00-0328	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	172.10	9.89
22 07 19 00-0329	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	183.87	10.05
22 07 19 00-0330	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	181.13	10.21
22 07 19 00-0331	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	201.53	10.37
22 07 19 00-0332	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	237.67	10.55
22 07 19 00-0333	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	231.97	10.72
22 07 19 00-0334	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	247.75	10.91
22 07 19 00-0335	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	111.15	7.20
22 07 19 00-0336	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	111.83	7.36
22 07 19 00-0337	EA	3" ID, Aluminum Tee Insulation Jacketing	123.22	7.54
22 07 19 00-0338	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	123.95	7.72
22 07 19 00-0339	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	129.19	7.91
22 07 19 00-0340	EA	4" ID, Aluminum Tee Insulation Jacketing	131.05	8.11
22 07 19 00-0341	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	137.59	8.33
22 07 19 00-0342	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	137.64	8.55
22 07 19 00-0343	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	138.59	8.79
22 07 19 00-0344	EA	5" ID, Aluminum Tee Insulation Jacketing	143.45	9.05
22 07 19 00-0345	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	144.52	9.31
22 07 19 00-0346	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	150.39	9.59
22 07 19 00-0347	EA	6" ID, Aluminum Tee Insulation Jacketing	151.60	9.89
22 07 19 00-0348	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	165.26	10.55
22 07 19 00-0349	EA	7" ID, Aluminum Tee Insulation Jacketing	166.72	10.91
22 07 19 00-0350	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	182.07	11.31
22 07 19 00-0351	EA	8" ID, Aluminum Tee Insulation Jacketing	183.75	11.72
22 07 19 00-0352	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	189.15	12.17
22 07 19 00-0353	EA	9" ID, Aluminum Tee Insulation Jacketing	191.10	12.65
22 07 19 00-0354	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	155.92	12.91
22 07 19 00-0355	EA	10" ID, Aluminum Tee Insulation Jacketing	156.99	13.19
22 07 19 00-0356	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	164.91	13.47
22 07 19 00-0357	EA	11" ID, Aluminum Tee Insulation Jacketing	166.09	13.76
22 07 19 00-0358	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	173.36	14.06
22 07 19 00-0359	EA	12" ID, Aluminum Tee Insulation Jacketing	174.64	14.38
22 07 19 00-0360	EA	13" ID, Aluminum Tee Insulation Jacketing	181.81	14.71
22 07 19 00-0361	EA	14" ID, Aluminum Tee Insulation Jacketing	189.23	15.07
22 07 19 00-0362	EA	15" ID, Aluminum Tee Insulation Jacketing	201.23	15.44
22 07 19 00-0363	EA	16" ID, Aluminum Tee Insulation Jacketing	206.26	15.82
22 07 19 00-0364	EA	17" ID, Aluminum Tee Insulation Jacketing	229.30	16.23
22 07 19 00-0365	EA	18" ID, Aluminum Tee Insulation Jacketing	237.40	16.65
22 07 19 00-0366	EA	19" ID, Aluminum Tee Insulation Jacketing	257.28	17.11
22 07 19 00-0367	EA	20" ID, Aluminum Tee Insulation Jacketing	263.30	17.58
22 07 19 00-0368	EA	22" ID, Aluminum Tee Insulation Jacketing	317.82	18.08
22 07 19 00-0369	EA	23" ID, Aluminum Tee Insulation Jacketing	326.78	18.61
22 07 19 00-0370	EA	24" ID, Aluminum Tee Insulation Jacketing	340.55	20.41
22 07 19 00-0371		Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0001)		
22 07 19 00-0372		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0371)		
22 07 19 00-0373	SF	0.010" Stainless Steel Insulation Jacket With Bands	29.21	11.87
22 07 19 00-0374	SF	0.016" Stainless Steel Insulation Jacket With Bands	35.76	14.24
22 07 19 00-0375		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0371)		
22 07 19 00-0376	LF	2-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.30	2.53
22 07 19 00-0377	LF	2-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.87	2.58
22 07 19 00-0378	LF	3" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	15.45	2.63
22 07 19 00-0379	LF	3-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.06	2.69

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0380 LF 3-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.66	2.75
22 07 19 00-0381 LF 3-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.28	2.81
22 07 19 00-0382 LF 4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.90	2.87
22 07 19 00-0383 LF 4-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	18.54	2.94
22 07 19 00-0384 LF 4-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	19.18	3.02
22 07 19 00-0385 LF 5" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	20.53	3.17
22 07 19 00-0386 LF 5-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	21.94	3.33
22 07 19 00-0387 LF 6" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	23.41	3.52
22 07 19 00-0388 LF 6-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	24.55	3.62
22 07 19 00-0389 LF 7" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	25.73	3.72
22 07 19 00-0390 LF 7-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	27.01	3.86
22 07 19 00-0391 LF 8" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	28.04	3.93
22 07 19 00-0392 LF 8-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	29.07	4.01
22 07 19 00-0393 LF 9" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	30.13	4.08
22 07 19 00-0394 LF 9-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	31.18	4.16
22 07 19 00-0395 LF 10" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	32.27	4.25
22 07 19 00-0396 LF 10-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	33.36	4.33
22 07 19 00-0397 LF 11" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	34.47	4.42
22 07 19 00-0398 LF 12" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	36.71	4.62
22 07 19 00-0399 LF 13" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	38.90	4.79
22 07 19 00-0400 LF 14" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	40.67	4.86

22 07 19 00-0401 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0371)

22 07 19 00-0402 LF 2-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	19.51	3.37
22 07 19 00-0403 LF 2-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	20.32	3.44
22 07 19 00-0404 LF 3" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.14	3.51
22 07 19 00-0405 LF 3-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.99	3.58
22 07 19 00-0406 LF 3-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.84	3.66
22 07 19 00-0407 LF 3-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	23.70	3.74
22 07 19 00-0408 LF 4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	24.58	3.83
22 07 19 00-0409 LF 4-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	25.46	3.92
22 07 19 00-0410 LF 4-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	26.36	4.01
22 07 19 00-0411 LF 5" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	28.25	4.21
22 07 19 00-0412 LF 5-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	30.21	4.43
22 07 19 00-0413 LF 6" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	32.26	4.67
22 07 19 00-0414 LF 6-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	33.86	4.81
22 07 19 00-0415 LF 7" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	35.52	4.95
22 07 19 00-0416 LF 7-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	37.31	5.14
22 07 19 00-0417 LF 8" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	38.76	5.23
22 07 19 00-0418 LF 8-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	40.23	5.33
22 07 19 00-0419 LF 9" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	41.72	5.43
22 07 19 00-0420 LF 9-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	43.22	5.54
22 07 19 00-0421 LF 10" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	44.73	5.65
22 07 19 00-0422 LF 10-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	46.30	5.77
22 07 19 00-0423 LF 11" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	47.85	5.89
22 07 19 00-0424 LF 12" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	51.00	6.14
22 07 19 00-0425 LF 13" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	54.10	6.37
22 07 19 00-0426 LF 14" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	56.62	6.47

22 07 19 00-0427 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings (22 07 19 00-0371)

22 07 19 00-0428 EA 2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.49	5.03
22 07 19 00-0429 EA 2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.98	5.15
22 07 19 00-0430 EA 3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	40.34	5.28
22 07 19 00-0431 EA 3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	40.88	5.41
22 07 19 00-0432 EA 3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	42.23	5.51
22 07 19 00-0433 EA 3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	43.76	5.60
22 07 19 00-0434 EA 4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	46.50	5.75
22 07 19 00-0435 EA 4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	54.65	5.86
22 07 19 00-0436 EA 4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	55.09	5.97
22 07 19 00-0437 EA 5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	56.75	6.20
22 07 19 00-0438 EA 5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	73.70	6.52
22 07 19 00-0439 EA 6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	79.78	6.87
22 07 19 00-0440 EA 6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	101.03	7.28
22 07 19 00-0441 EA 7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	101.72	7.45
22 07 19 00-0442 EA 7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	114.49	7.63
22 07 19 00-0443 EA 8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	115.64	7.91
22 07 19 00-0444 EA 8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	118.49	7.91
22 07 19 00-0445 EA 9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	164.54	8.11
22 07 19 00-0446 EA 9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	162.66	8.22
22 07 19 00-0447 EA 10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	163.10	8.33
22 07 19 00-0448 EA 10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	189.05	8.44
22 07 19 00-0449 EA 11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	182.45	8.55
22 07 19 00-0450 EA 12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	203.96	8.91
22 07 19 00-0451 EA 13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	270.40	9.31
22 07 19 00-0452 EA 14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	273.09	9.59
22 07 19 00-0453 EA 2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.43	5.03
22 07 19 00-0454 EA 2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.92	5.15



Plumbing	22	22
Plumbing Insulation	22 07	
Plumbing Piping Insulation	22 07 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0455	EA		3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	37.61	5.28
22 07 19 00-0456	EA		3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	38.15	5.41
22 07 19 00-0457	EA		3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	38.72	5.51
22 07 19 00-0458	EA		3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	39.11	5.60
22 07 19 00-0459	EA		4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	44.50	5.75
22 07 19 00-0460	EA		4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	53.59	5.86
22 07 19 00-0461	EA		4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	54.03	5.97
22 07 19 00-0462	EA		4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	54.49	6.09
22 07 19 00-0463	EA		5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	55.48	6.20
22 07 19 00-0464	EA		5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	56.77	6.52
22 07 19 00-0465	EA		6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	63.90	6.87
22 07 19 00-0466	EA		6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	65.48	7.28
22 07 19 00-0467	EA		7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	91.35	7.45
22 07 19 00-0468	EA		7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	93.33	7.63
22 07 19 00-0469	EA		8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	93.70	7.72
22 07 19 00-0470	EA		8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	105.17	7.91
22 07 19 00-0471	EA		9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	105.97	8.11
22 07 19 00-0472	EA		9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	119.18	8.22
22 07 19 00-0473	EA		10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	119.62	8.33
22 07 19 00-0474	EA		10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	137.49	8.44
22 07 19 00-0475	EA		11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	137.94	8.55
22 07 19 00-0476	EA		12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	148.31	8.91
22 07 19 00-0477	EA		13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	169.79	9.31
22 07 19 00-0478			Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0001)		
22 07 19 00-0479			20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0478)		
22 07 19 00-0480	LF		1-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.59	2.34
22 07 19 00-0481	LF		2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.35	2.43
22 07 19 00-0482	LF		2-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.05	2.53
22 07 19 00-0483	LF		3" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.87	2.63
22 07 19 00-0484	LF		3-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.63	2.75
22 07 19 00-0485	LF		4" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.48	2.87
22 07 19 00-0486	LF		4-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.38	3.02
22 07 19 00-0487	LF		5" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.28	3.17
22 07 19 00-0488	LF		5-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.31	3.33
22 07 19 00-0489	LF		6" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.39	3.52
22 07 19 00-0490	LF		6-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.15	3.62
22 07 19 00-0491	LF		7" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.88	3.72
22 07 19 00-0492	LF		7-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.83	3.86
22 07 19 00-0493	LF		8" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.42	3.93
22 07 19 00-0494	LF		8-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.07	4.01
22 07 19 00-0495	LF		9" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.73	4.08
22 07 19 00-0496	LF		9-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.40	4.16
22 07 19 00-0497	LF		10" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.06	4.25
22 07 19 00-0498	LF		10-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.75	4.33
22 07 19 00-0499	LF		11" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.47	4.42
22 07 19 00-0500	LF		11-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.19	4.52
22 07 19 00-0501	LF		12" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.90	4.62
22 07 19 00-0502	LF		12-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.71	4.72
22 07 19 00-0503	LF		13" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.30	4.79
22 07 19 00-0504	LF		13-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.65	4.79
22 07 19 00-0505	LF		14" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.31	4.86
22 07 19 00-0506	LF		15" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.31	4.94
22 07 19 00-0507	LF		16" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.28	5.03
22 07 19 00-0508	LF		17" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.30	5.11
22 07 19 00-0509	LF		18" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.35	5.19
22 07 19 00-0510	LF		19" ID, 0.02" Thick (20 Mil), Chloride (PVC) Insulation Jacketing	34.35	5.28
22 07 19 00-0511	LF		20" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.42	5.37
22 07 19 00-0512	LF		21" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.43	5.46
22 07 19 00-0513	LF		22" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.53	5.55
22 07 19 00-0514	LF		23" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.58	5.65
22 07 19 00-0515	LF		24" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.70	5.75
22 07 19 00-0516	LF		25" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.83	5.86
22 07 19 00-0517	LF		26" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.92	5.97
22 07 19 00-0518	LF		27" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	43.09	6.09
22 07 19 00-0519	LF		28" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	44.21	6.20
22 07 19 00-0520	LF		29" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	45.43	6.33
22 07 19 00-0521	LF		30" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	46.64	6.46
22 07 19 00-0522			30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0478)		
22 07 19 00-0523	LF		2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.11	2.43
22 07 19 00-0524	LF		2-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.00	2.53
22 07 19 00-0525	LF		3" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.98	2.63
22 07 19 00-0526	LF		3-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.89	2.75
22 07 19 00-0527	LF		4" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.89	2.87
22 07 19 00-0528	LF		4-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.94	3.02
22 07 19 00-0529	LF		5" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.04	3.17
22 07 19 00-0530	LF		5-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.23	3.33

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0531 LF 6" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	20.46	3.52
22 07 19 00-0532 LF 6-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	21.36	3.62
22 07 19 00-0533 LF 7" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	22.30	3.72
22 07 19 00-0534 LF 7-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	23.40	3.86
22 07 19 00-0535 LF 8" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	24.20	3.93
22 07 19 00-0536 LF 8-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	24.99	4.01
22 07 19 00-0537 LF 9" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	25.80	4.08
22 07 19 00-0538 LF 9-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	26.63	4.16
22 07 19 00-0539 LF 10" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	27.48	4.25
22 07 19 00-0540 LF 10-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	28.33	4.33
22 07 19 00-0541 LF 11" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	29.20	4.42
22 07 19 00-0542 LF 11-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	30.07	4.52
22 07 19 00-0543 LF 12" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	30.98	4.62
22 07 19 00-0544 LF 12-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	31.94	4.72
22 07 19 00-0545 LF 13" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	32.74	4.79
22 07 19 00-0546 LF 13-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	33.24	4.79
22 07 19 00-0547 LF 14" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	34.04	4.86
22 07 19 00-0548 LF 15" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	35.35	4.94
22 07 19 00-0549 LF 16" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	36.67	5.03
22 07 19 00-0550 LF 17" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	38.00	5.11
22 07 19 00-0551 LF 18" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	39.40	5.19
22 07 19 00-0552 LF 19" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	40.75	5.28
22 07 19 00-0553 LF 20" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	42.12	5.37
22 07 19 00-0554 LF 21" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	43.49	5.46
22 07 19 00-0555 LF 22" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	44.89	5.55
22 07 19 00-0556 LF 23" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	46.29	5.65
22 07 19 00-0557 LF 24" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	47.71	5.75
22 07 19 00-0558 LF 25" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	49.19	5.86
22 07 19 00-0559 LF 26" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	50.64	5.97
22 07 19 00-0560 LF 27" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	52.11	6.09
22 07 19 00-0561 LF 28" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	53.59	6.20
22 07 19 00-0562 LF 29" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	55.10	6.33
22 07 19 00-0563 LF 30" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	56.62	6.46

22 07 19 00-0564 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-

22 07 19 00-0565 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	21.52	4.68
22 07 19 00-0566 EA 2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	22.91	4.86
22 07 19 00-0567 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	23.61	4.94
22 07 19 00-0568 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	24.32	5.03
22 07 19 00-0569 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	25.17	5.15
22 07 19 00-0570 EA 3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	25.94	5.28
22 07 19 00-0571 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	27.31	5.46
22 07 19 00-0572 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	28.55	5.60
22 07 19 00-0573 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	30.78	5.75
22 07 19 00-0574 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	33.48	6.03
22 07 19 00-0575 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	36.26	6.33
22 07 19 00-0576 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	41.05	6.66
22 07 19 00-0577 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	52.17	7.04
22 07 19 00-0578 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	54.40	7.28
22 07 19 00-0579 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	61.49	7.45
22 07 19 00-0580 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	63.76	7.63
22 07 19 00-0581 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	74.44	7.91
22 07 19 00-0582 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	90.02	8.22
22 07 19 00-0583 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	98.01	8.55
22 07 19 00-0584 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	108.78	8.91
22 07 19 00-0585 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	129.56	9.31
22 07 19 00-0586 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	143.88	9.59
22 07 19 00-0587 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	152.95	9.89
22 07 19 00-0588 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	163.95	10.05
22 07 19 00-0589 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	178.16	10.21
22 07 19 00-0590 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	218.64	10.37
22 07 19 00-0591 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	282.68	10.55
22 07 19 00-0592 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	351.99	10.72
22 07 19 00-0593 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	21.52	4.68
22 07 19 00-0594 EA 2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	22.91	4.86
22 07 19 00-0595 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	23.61	4.94
22 07 19 00-0596 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	24.32	5.03
22 07 19 00-0597 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	25.17	5.15
22 07 19 00-0598 EA 3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	25.94	5.28
22 07 19 00-0599 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	27.31	5.46
22 07 19 00-0600 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	28.55	5.60
22 07 19 00-0601 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	30.78	5.75
22 07 19 00-0602 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	33.48	6.03
22 07 19 00-0603 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	36.26	6.33
22 07 19 00-0604 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	41.05	6.66
22 07 19 00-0605 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	52.17	7.04
22 07 19 00-0606 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	54.40	7.28
22 07 19 00-0607 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	61.49	7.45
22 07 19 00-0608 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	63.76	7.63
22 07 19 00-0609 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	74.44	7.91



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0610 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	90.02	8.22
22 07 19 00-0611 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	97.96	8.55
22 07 19 00-0612 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	105.96	8.91
22 07 19 00-0613 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	115.70	9.31
22 07 19 00-0614 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	128.00	9.59
22 07 19 00-0615 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	135.77	9.89
22 07 19 00-0616 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	150.04	10.05
22 07 19 00-0617 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	164.55	10.21
22 07 19 00-0618 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	192.69	10.37
22 07 19 00-0619 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	248.41	10.55
22 07 19 00-0620 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	276.50	10.72
22 07 19 00-0621 EA 1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	31.61	6.59
22 07 19 00-0622 EA 2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	32.89	6.73
22 07 19 00-0623 EA 2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	34.27	6.95
22 07 19 00-0624 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	35.82	7.20
22 07 19 00-0625 EA 2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	37.55	7.45
22 07 19 00-0626 EA 3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	39.29	7.72
22 07 19 00-0627 EA 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	41.72	8.01
22 07 19 00-0628 EA 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	44.30	8.33
22 07 19 00-0629 EA 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	47.68	8.67
22 07 19 00-0630 EA 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	52.34	9.05
22 07 19 00-0631 EA 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	57.24	9.45
22 07 19 00-0632 EA 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	66.03	10.05
22 07 19 00-0633 EA 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	76.16	10.55
22 07 19 00-0634 EA 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	84.94	10.72
22 07 19 00-0635 EA 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	112.34	11.11
22 07 19 00-0636 EA 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	121.38	11.72
22 07 19 00-0637 EA 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	139.29	12.17
22 07 19 00-0638 EA 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	157.47	12.65
22 07 19 00-0639 EA 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	160.84	13.19
22 07 19 00-0640 EA 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	173.95	13.47
22 07 19 00-0641 EA 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	187.13	13.76
22 07 19 00-0642 EA 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	200.44	14.06
22 07 19 00-0643 EA 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	213.67	14.38
22 07 19 00-0644 EA 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	227.05	14.71
22 07 19 00-0645 EA 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	240.33	15.07
22 07 19 00-0646 EA 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	259.96	15.44
22 07 19 00-0647 EA 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	279.54	15.82
22 07 19 00-0648 EA 20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	303.19	16.23
22 07 19 00-0649 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	40.00	4.52
22 07 19 00-0650 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	40.00	4.52
22 07 19 00-0651 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	46.52	4.68
22 07 19 00-0652 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	46.52	4.68
22 07 19 00-0653 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	63.27	4.86
22 07 19 00-0654 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	68.88	5.07
22 07 19 00-0655 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	75.58	5.28
22 07 19 00-0656 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	85.06	5.51
22 07 19 00-0657 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	93.27	5.75
22 07 19 00-0658 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	112.66	6.33
22 07 19 00-0659 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	157.14	7.04
22 07 19 00-0660 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	172.15	7.91
22 07 19 00-0661 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	213.52	8.44
22 07 19 00-0662 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	295.76	9.31
22 07 19 00-0663 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	297.93	9.74
22 07 19 00-0664 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	392.40	10.05
22 07 19 00-0665 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	525.91	10.37
22 07 19 00-0666 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	37.58	4.52
22 07 19 00-0667 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	37.58	4.52
22 07 19 00-0668 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	43.60	4.68
22 07 19 00-0669 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	43.60	4.68
22 07 19 00-0670 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	58.49	4.86
22 07 19 00-0671 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	63.54	5.07
22 07 19 00-0672 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	69.73	5.28
22 07 19 00-0673 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	73.31	5.51
22 07 19 00-0674 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	85.51	5.75
22 07 19 00-0675 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	103.03	6.33
22 07 19 00-0676 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	142.98	7.04
22 07 19 00-0677 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	156.63	7.91
22 07 19 00-0678 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	193.77	8.44
22 07 19 00-0679 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	267.49	9.31
22 07 19 00-0680 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	338.45	9.74
22 07 19 00-0681 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	403.03	10.05
22 07 19 00-0682 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	469.77	10.37
22 07 19 00-0683 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	55.79	6.80
22 07 19 00-0684 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	55.79	6.80
22 07 19 00-0685 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	64.21	7.04
22 07 19 00-0686 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	64.21	7.04
22 07 19 00-0687 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	86.00	7.28
22 07 19 00-0688 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	93.44	7.54
22 07 19 00-0689 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	102.46	7.91
22 07 19 00-0690 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	107.91	8.22

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0691	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	126.30	8.67
22 07 19 00-0692	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	138.73	9.45
22 07 19 00-0693	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	191.51	10.55
22 07 19 00-0694	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	208.76	11.72
22 07 19 00-0695	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	284.37	12.65
22 07 19 00-0696	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	391.03	13.76
22 07 19 00-0697	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	464.72	14.71
22 07 19 00-0698	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	547.10	15.07
22 07 19 00-0699	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	598.06	15.44
22 07 19 00-0700		Insulation Foam Rubber (22 07 19)		
22 07 19 00-0701		Covering 4x6 Sheet (22 07 19 00-0700)		
22 07 19 00-0702	SF	1" Thick Foam Rubber Sheet Insulation	30.60	11.24
22 07 19 00-0703		Fiberglass (Glass Fiber) Pipe Insulation (22 07 19) Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0704		1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)		
22 07 19 00-0705	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.51	3.48
		For Single Layer Of Felt Finish, Add	0.22	
		For Work In Restricted Working Space, Add	2.83	
22 07 19 00-0706	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.74	3.48
		For Single Layer Of Felt Finish, Add	0.24	
		For Work In Restricted Working Space, Add	2.83	
22 07 19 00-0707	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.47	3.64
		For Single Layer Of Felt Finish, Add	0.26	
		For Work In Restricted Working Space, Add	2.99	
22 07 19 00-0708	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.90	3.80
		For Single Layer Of Felt Finish, Add	0.29	
		For Work In Restricted Working Space, Add	3.05	
22 07 19 00-0709	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	13.27	3.80
		For Single Layer Of Felt Finish, Add	0.31	
		For Work In Restricted Working Space, Add	3.11	
22 07 19 00-0710	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	14.03	3.96
		For Single Layer Of Felt Finish, Add	0.33	
		For Work In Restricted Working Space, Add	3.28	
22 07 19 00-0711	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	14.69	4.11
		For Single Layer Of Felt Finish, Add	0.37	
		For Work In Restricted Working Space, Add	3.34	
22 07 19 00-0712	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	15.48	4.27
		For Single Layer Of Felt Finish, Add	0.42	
		For Work In Restricted Working Space, Add	3.45	
22 07 19 00-0713	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	17.54	4.59
		For Single Layer Of Felt Finish, Add	0.54	
		For Work In Restricted Working Space, Add	3.73	
22 07 19 00-0714	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	20.69	5.38
		For Single Layer Of Felt Finish, Add	0.65	
		For Work In Restricted Working Space, Add	4.35	
22 07 19 00-0715		1" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)		
22 07 19 00-0716	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	15.49	4.74
		For Single Layer Of Felt Finish, Add	0.26	
		For Work In Restricted Working Space, Add	3.90	
22 07 19 00-0717	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	15.85	4.74
		For Single Layer Of Felt Finish, Add	0.30	
		For Work In Restricted Working Space, Add	3.90	
22 07 19 00-0718	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.10	4.74
		For Single Layer Of Felt Finish, Add	0.31	
		For Work In Restricted Working Space, Add	3.96	
22 07 19 00-0719	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.67	4.90
		For Single Layer Of Felt Finish, Add	0.35	
		For Work In Restricted Working Space, Add	4.01	
22 07 19 00-0720	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	17.09	4.90
		For Single Layer Of Felt Finish, Add	0.37	
		For Work In Restricted Working Space, Add	4.07	
22 07 19 00-0721	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	17.80	5.07
		For Single Layer Of Felt Finish, Add	0.41	
		For Work In Restricted Working Space, Add	4.18	
22 07 19 00-0722	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	18.75	5.38
		For Single Layer Of Felt Finish, Add	0.45	
		For Work In Restricted Working Space, Add	4.35	
22 07 19 00-0723	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	19.68	5.54
		For Single Layer Of Felt Finish, Add	0.50	
		For Work In Restricted Working Space, Add	4.46	
22 07 19 00-0724	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	22.20	5.85
		For Single Layer Of Felt Finish, Add	0.65	
		For Work In Restricted Working Space, Add	4.80	



Plumbing	22	22
Plumbing Insulation	22 07	
Plumbing Piping Insulation	22 07 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0725 LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	25.64 0.80 5.42	6.80
22 07 19 00-0726 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	31.54 1.14 6.22	7.60
22 07 19 00-0727 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	37.11 1.33 7.34	9.02
22 07 19 00-0728 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	42.59 1.51 8.48	10.28
22 07 19 00-0729 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	45.87 1.75 8.78	11.24
22 07 19 00-0730 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)		
22 07 19 00-0731 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	18.60 0.53 4.07	4.88
22 07 19 00-0732 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	18.83 0.55 4.07	4.88
22 07 19 00-0733 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	19.90 0.58 4.31	5.18
22 07 19 00-0734 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	20.58 0.63 4.39	5.29
22 07 19 00-0735 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	21.17 0.66 4.46	5.38
22 07 19 00-0736 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	22.57 0.72 4.71	5.67
22 07 19 00-0737 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	23.52 0.79 4.79	5.76
22 07 19 00-0738 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	24.29 0.82 4.96	5.97
22 07 19 00-0739 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	26.77 0.94 5.36	6.45
22 07 19 00-0740 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	31.01 1.07 6.26	7.53
22 07 19 00-0741 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	34.73 1.34 6.60	7.94
22 07 19 00-0742 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	42.39 1.69 7.90	9.51
22 07 19 00-0743 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	48.15 1.83 9.20	11.08
22 07 19 00-0744 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	53.85 2.12 10.09	12.14
22 07 19 00-0745 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)		
22 07 19 00-0746 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	22.80 0.83 4.46	5.38
22 07 19 00-0747 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	23.07 0.86 4.46	5.38
22 07 19 00-0748 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	23.82 0.92 4.52	5.54
22 07 19 00-0749 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	24.51 0.97 4.58	5.54
22 07 19 00-0750 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	25.23 1.03 4.64	5.70
22 07 19 00-0751 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	26.17 1.07 4.80	5.85
22 07 19 00-0752 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... For Single Layer Of Felt Finish, Add For Work In Restricted Working Space, Add	27.49 1.15 4.97	6.01

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0753 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	28.92	6.33
For Single Layer Of Felt Finish, Add	1.24	
For Work In Restricted Working Space, Add	5.15	
22 07 19 00-0754 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	31.56	6.64
For Single Layer Of Felt Finish, Add	1.42	
For Work In Restricted Working Space, Add	5.42	
22 07 19 00-0755 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	37.36	7.80
For Single Layer Of Felt Finish, Add	1.65	
For Work In Restricted Working Space, Add	6.51	
22 07 19 00-0756 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	42.26	8.24
For Single Layer Of Felt Finish, Add	2.03	
For Work In Restricted Working Space, Add	6.87	
22 07 19 00-0757 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	50.58	9.86
For Single Layer Of Felt Finish, Add	2.43	
For Work In Restricted Working Space, Add	8.22	
22 07 19 00-0758 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	58.26	11.82
For Single Layer Of Felt Finish, Add	2.67	
For Work In Restricted Working Space, Add	9.84	
22 07 19 00-0759 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	74.56	12.89
For Single Layer Of Felt Finish, Add	3.02	
For Work In Restricted Working Space, Add	13.74	
22 07 19 00-0760 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	78.55	15.11
For Single Layer Of Felt Finish, Add	3.44	
For Work In Restricted Working Space, Add	13.74	
22 07 19 00-0761 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	87.00	15.87
For Single Layer Of Felt Finish, Add	4.09	
For Work In Restricted Working Space, Add	14.42	
22 07 19 00-0762 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	98.64	18.13
For Single Layer Of Felt Finish, Add	4.59	
For Work In Restricted Working Space, Add	16.49	
22 07 19 00-0763 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	114.82	21.91
For Single Layer Of Felt Finish, Add	5.09	
For Work In Restricted Working Space, Add	19.92	
22 07 19 00-0764 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)		
22 07 19 00-0765 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	28.18	6.33
For Single Layer Of Felt Finish, Add	1.16	
For Work In Restricted Working Space, Add	5.15	
22 07 19 00-0766 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	28.56	6.33
For Single Layer Of Felt Finish, Add	1.20	
For Work In Restricted Working Space, Add	5.15	
22 07 19 00-0767 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	29.66	6.33
For Single Layer Of Felt Finish, Add	1.28	
For Work In Restricted Working Space, Add	5.23	
22 07 19 00-0768 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	30.47	6.48
For Single Layer Of Felt Finish, Add	1.35	
For Work In Restricted Working Space, Add	5.27	
22 07 19 00-0769 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	31.32	6.48
For Single Layer Of Felt Finish, Add	1.43	
For Work In Restricted Working Space, Add	5.31	
22 07 19 00-0770 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	32.61	6.80
For Single Layer Of Felt Finish, Add	1.49	
For Work In Restricted Working Space, Add	5.53	
22 07 19 00-0771 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	34.42	6.96
For Single Layer Of Felt Finish, Add	1.61	
For Work In Restricted Working Space, Add	5.72	
22 07 19 00-0772 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	36.07	7.28
For Single Layer Of Felt Finish, Add	1.71	
For Work In Restricted Working Space, Add	5.92	
22 07 19 00-0773 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	39.83	7.60
For Single Layer Of Felt Finish, Add	2.00	
For Work In Restricted Working Space, Add	6.24	
22 07 19 00-0774 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	45.65	8.07
For Single Layer Of Felt Finish, Add	2.31	
For Work In Restricted Working Space, Add	7.10	
22 07 19 00-0775 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	60.58	9.65
For Single Layer Of Felt Finish, Add	3.59	
For Work In Restricted Working Space, Add	7.91	
22 07 19 00-0776 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	72.28	11.08
For Single Layer Of Felt Finish, Add	4.40	
For Work In Restricted Working Space, Add	9.12	
22 07 19 00-0777 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	82.38	13.77
For Single Layer Of Felt Finish, Add	4.68	
For Work In Restricted Working Space, Add	11.34	
22 07 19 00-0778 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	93.06	15.19
For Single Layer Of Felt Finish, Add	5.44	
For Work In Restricted Working Space, Add	12.38	
22 07 19 00-0779 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	109.80	19.31
For Single Layer Of Felt Finish, Add	5.99	
For Work In Restricted Working Space, Add	15.82	
22 07 19 00-0780 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	118.00	20.25
For Single Layer Of Felt Finish, Add	6.58	
For Work In Restricted Working Space, Add	16.61	



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

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22 07 19 00-0781	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.95 7.42 18.99	23.11
22 07 19 00-0782	LF		24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.68 8.53 22.94	27.91
22 07 19 00-0783 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)					
22 07 19 00-0784	LF		1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.08 1.27 5.70	7.00
22 07 19 00-0785	LF		3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.49 1.31 5.70	7.00
22 07 19 00-0786	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.61 1.41 5.76	7.06
22 07 19 00-0787	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.48 1.49 5.80	7.11
22 07 19 00-0788	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.48 1.57 5.86	7.19
22 07 19 00-0789	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.82 1.63 6.08	7.46
22 07 19 00-0790	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.79 1.77 6.28	7.71
22 07 19 00-0791	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.62 1.88 6.51	7.99
22 07 19 00-0792	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.77 2.19 6.87	8.43
22 07 19 00-0793	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.15 2.53 7.80	9.57
22 07 19 00-0794	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.53 3.94 8.70	10.66
22 07 19 00-0795	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.40 4.82 10.04	12.31
22 07 19 00-0796	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.51 5.14 12.47	15.30
22 07 19 00-0797	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.24 5.97 13.62	16.70
22 07 19 00-0798	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.63 6.58 17.40	21.35
22 07 19 00-0799	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.64 7.22 18.28	22.42
22 07 19 00-0800	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.19 8.14 20.90	25.63
22 07 19 00-0801	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.26 9.36 25.24	30.95
22 07 19 00-0802 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)					
22 07 19 00-0803	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.53 1.34 6.24	7.60
22 07 19 00-0804	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.01 1.39 6.24	7.60
22 07 19 00-0805	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.62 1.54 6.28	7.60
22 07 19 00-0806	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.56 1.62 6.33	7.75
22 07 19 00-0807	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.68 1.71 6.41	7.75
22 07 19 00-0808	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.08 1.79 6.62	8.07

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0809	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	41.25	8.38
		For Single Layer Of Felt Finish, Add	1.93	
		For Work In Restricted Working Space, Add	6.85	
22 07 19 00-0810	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	43.12	8.70
		For Single Layer Of Felt Finish, Add	2.04	
		For Work In Restricted Working Space, Add	7.10	
22 07 19 00-0811	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	47.83	9.18
		For Single Layer Of Felt Finish, Add	2.40	
		For Work In Restricted Working Space, Add	7.50	
22 07 19 00-0812	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	54.75	10.44
		For Single Layer Of Felt Finish, Add	2.77	
		For Work In Restricted Working Space, Add	8.51	
22 07 19 00-0813	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	72.66	11.55
		For Single Layer Of Felt Finish, Add	4.31	
		For Work In Restricted Working Space, Add	9.49	
22 07 19 00-0814	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	86.73	13.29
		For Single Layer Of Felt Finish, Add	5.28	
		For Work In Restricted Working Space, Add	10.95	
22 07 19 00-0815	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	98.85	16.61
		For Single Layer Of Felt Finish, Add	5.62	
		For Work In Restricted Working Space, Add	13.61	
22 07 19 00-0816	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	111.68	18.19
		For Single Layer Of Felt Finish, Add	6.53	
		For Work In Restricted Working Space, Add	14.86	
22 07 19 00-0817	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	131.79	23.11
		For Single Layer Of Felt Finish, Add	7.19	
		For Work In Restricted Working Space, Add	18.99	
22 07 19 00-0818	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	141.59	24.36
		For Single Layer Of Felt Finish, Add	7.89	
		For Work In Restricted Working Space, Add	19.94	
22 07 19 00-0819	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	160.79	27.85
		For Single Layer Of Felt Finish, Add	8.90	
		For Work In Restricted Working Space, Add	22.80	
22 07 19 00-0820	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	189.24	33.55
		For Single Layer Of Felt Finish, Add	10.23	
		For Work In Restricted Working Space, Add	27.53	
22 07 19 00-0821 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)				
22 07 19 00-0822	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	37.98	8.54
		For Single Layer Of Felt Finish, Add	1.56	
		For Work In Restricted Working Space, Add	6.94	
22 07 19 00-0823	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	38.51	8.54
		For Single Layer Of Felt Finish, Add	1.62	
		For Work In Restricted Working Space, Add	6.94	
22 07 19 00-0824	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	40.00	8.54
		For Single Layer Of Felt Finish, Add	1.73	
		For Work In Restricted Working Space, Add	7.06	
22 07 19 00-0825	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	41.22	8.70
		For Single Layer Of Felt Finish, Add	1.83	
		For Work In Restricted Working Space, Add	7.14	
22 07 19 00-0826	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	42.90	9.02
		For Single Layer Of Felt Finish, Add	1.93	
		For Work In Restricted Working Space, Add	7.36	
22 07 19 00-0827	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	44.46	9.34
		For Single Layer Of Felt Finish, Add	2.01	
		For Work In Restricted Working Space, Add	7.59	
22 07 19 00-0828	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	46.40	9.34
		For Single Layer Of Felt Finish, Add	2.17	
		For Work In Restricted Working Space, Add	7.71	
22 07 19 00-0829	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	48.70	9.81
		For Single Layer Of Felt Finish, Add	2.32	
		For Work In Restricted Working Space, Add	7.99	
22 07 19 00-0830	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	53.76	10.28
		For Single Layer Of Felt Finish, Add	2.69	
		For Work In Restricted Working Space, Add	8.43	
22 07 19 00-0831	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	61.58	11.71
		For Single Layer Of Felt Finish, Add	3.12	
		For Work In Restricted Working Space, Add	9.57	
22 07 19 00-0832	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	81.74	12.65
		For Single Layer Of Felt Finish, Add	4.85	
		For Work In Restricted Working Space, Add	10.67	
22 07 19 00-0833	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	97.59	15.04
		For Single Layer Of Felt Finish, Add	5.93	
		For Work In Restricted Working Space, Add	12.33	
22 07 19 00-0834	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	111.23	18.67
		For Single Layer Of Felt Finish, Add	6.32	
		For Work In Restricted Working Space, Add	15.31	
22 07 19 00-0835	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	125.68	20.41
		For Single Layer Of Felt Finish, Add	7.34	
		For Work In Restricted Working Space, Add	16.72	
22 07 19 00-0836	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	148.33	26.11
		For Single Layer Of Felt Finish, Add	8.09	
		For Work In Restricted Working Space, Add	21.38	



Plumbing		22
Plumbing Insulation		22 07
Plumbing Piping Insulation		22 07 19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0837	LF		18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	159.21	27.38
			For Single Layer Of Felt Finish, Add	8.88	
			For Work In Restricted Working Space, Add	22.40	
22 07 19 00-0838	LF		20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	178.68	31.33
			For Single Layer Of Felt Finish, Add	9.79	
			For Work In Restricted Working Space, Add	25.64	
22 07 19 00-0839	LF		24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	212.92	37.82
			For Single Layer Of Felt Finish, Add	11.51	
			For Work In Restricted Working Space, Add	30.98	
22 07 19 00-0840	LF		26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	243.38	44.62
			For Single Layer Of Felt Finish, Add	12.78	
			For Work In Restricted Working Space, Add	36.51	
22 07 19 00-0841	LF		28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	274.77	52.53
			For Single Layer Of Felt Finish, Add	13.80	
			For Work In Restricted Working Space, Add	43.00	
22 07 19 00-0842	LF		30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	310.43	62.02
			For Single Layer Of Felt Finish, Add	14.77	
			For Work In Restricted Working Space, Add	50.93	
22 07 19 00-0843	LF		36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	375.66	78.86
			For Single Layer Of Felt Finish, Add	16.78	
			For Work In Restricted Working Space, Add	64.76	
22 07 19 00-0844	LF		42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	440.90	96.04
			For Single Layer Of Felt Finish, Add	18.79	
			For Work In Restricted Working Space, Add	78.59	
22 07 19 00-0845	LF		44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	474.58	105.54
			For Single Layer Of Felt Finish, Add	19.51	
			For Work In Restricted Working Space, Add	86.62	
22 07 19 00-0846	LF		46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	504.79	113.61
			For Single Layer Of Felt Finish, Add	20.30	
			For Work In Restricted Working Space, Add	93.44	
22 07 19 00-0847 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell (22 07 19)					
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.					
22 07 19 00-0848 1" Thick Foamglas Pipe Insulation (22 07 19 00-0847)					
22 07 19 00-0849	LF		1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	26.92	7.72
			For Work In Restricted Working Space, Add	7.02	
22 07 19 00-0850	LF		3/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	27.81	7.72
			For Work In Restricted Working Space, Add	7.02	
22 07 19 00-0851	LF		1" Diameter Pipe, 1" Thick Foamglas Insulation.....	29.05	7.83
			For Work In Restricted Working Space, Add	7.12	
22 07 19 00-0852	LF		1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	29.70	7.94
			For Work In Restricted Working Space, Add	7.22	
22 07 19 00-0853	LF		1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	30.63	8.05
			For Work In Restricted Working Space, Add	7.32	
22 07 19 00-0854	LF		2" Diameter Pipe, 1" Thick Foamglas Insulation.....	32.46	8.27
			For Work In Restricted Working Space, Add	7.53	
22 07 19 00-0855	LF		2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	34.77	8.62
			For Work In Restricted Working Space, Add	7.84	
22 07 19 00-0856	LF		3" Diameter Pipe, 1" Thick Foamglas Insulation.....	37.20	8.84
			For Work In Restricted Working Space, Add	8.04	
22 07 19 00-0857	LF		4" Diameter Pipe, 1" Thick Foamglas Insulation.....	42.53	9.51
			For Work In Restricted Working Space, Add	8.65	
22 07 19 00-0858	LF		6" Diameter Pipe, 1" Thick Foamglas Insulation.....	53.25	10.72
			For Work In Restricted Working Space, Add	9.76	
22 07 19 00-0859 1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0847)					
22 07 19 00-0860	LF		1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	31.32	8.56
			For Work In Restricted Working Space, Add	7.53	
22 07 19 00-0861	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	31.89	8.56
			For Work In Restricted Working Space, Add	7.53	
22 07 19 00-0862	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	32.79	8.67
			For Work In Restricted Working Space, Add	7.63	
22 07 19 00-0863	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	33.53	8.78
			For Work In Restricted Working Space, Add	7.73	
22 07 19 00-0864	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	34.23	8.90
			For Work In Restricted Working Space, Add	7.83	
22 07 19 00-0865	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	36.84	9.20
			For Work In Restricted Working Space, Add	8.09	
22 07 19 00-0866	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	41.17	9.54
			For Work In Restricted Working Space, Add	8.40	
22 07 19 00-0867	LF		3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	45.01	9.83
			For Work In Restricted Working Space, Add	8.65	
22 07 19 00-0868	LF		4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	50.57	10.46
			For Work In Restricted Working Space, Add	9.21	
22 07 19 00-0869	LF		6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	59.25	11.85
			For Work In Restricted Working Space, Add	10.42	
22 07 19 00-0870	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	66.25	13.22
			For Work In Restricted Working Space, Add	11.63	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0871	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	79.88	15.24
		<i>For Work In Restricted Working Space, Add</i>	13.40	
22 07 19 00-0872	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	95.30	18.94
		<i>For Work In Restricted Working Space, Add</i>	16.66	
22 07 19 00-0873	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	105.61	19.92
		<i>For Work In Restricted Working Space, Add</i>	18.10	
22 07 19 00-0874	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	116.48	22.25
		<i>For Work In Restricted Working Space, Add</i>	20.23	
22 07 19 00-0875	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	132.71	26.31
		<i>For Work In Restricted Working Space, Add</i>	23.93	
22 07 19 00-0876	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	148.09	29.13
		<i>For Work In Restricted Working Space, Add</i>	26.49	
22 07 19 00-0877	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	182.31	32.28
		<i>For Work In Restricted Working Space, Add</i>	29.34	
22 07 19 00-0878 2" Thick Foamglas Pipe Insulation (22 07 19 00-0847)				
22 07 19 00-0879	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	34.92	8.84
		<i>For Work In Restricted Working Space, Add</i>	8.04	
22 07 19 00-0880	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	35.80	8.84
		<i>For Work In Restricted Working Space, Add</i>	8.04	
22 07 19 00-0881	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	36.99	8.94
		<i>For Work In Restricted Working Space, Add</i>	8.14	
22 07 19 00-0882	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	38.70	9.07
		<i>For Work In Restricted Working Space, Add</i>	8.24	
22 07 19 00-0883	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	40.45	9.18
		<i>For Work In Restricted Working Space, Add</i>	8.34	
22 07 19 00-0884	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	44.75	9.51
		<i>For Work In Restricted Working Space, Add</i>	8.65	
22 07 19 00-0885	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	46.86	9.86
		<i>For Work In Restricted Working Space, Add</i>	8.95	
22 07 19 00-0886	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	50.03	10.17
		<i>For Work In Restricted Working Space, Add</i>	9.25	
22 07 19 00-0887	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	55.89	10.74
		<i>For Work In Restricted Working Space, Add</i>	9.76	
22 07 19 00-0888	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	66.46	12.20
		<i>For Work In Restricted Working Space, Add</i>	11.09	
22 07 19 00-0889	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	73.99	13.61
		<i>For Work In Restricted Working Space, Add</i>	12.37	
22 07 19 00-0890	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	89.51	15.68
		<i>For Work In Restricted Working Space, Add</i>	14.26	
22 07 19 00-0891	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	110.92	19.50
		<i>For Work In Restricted Working Space, Add</i>	17.72	
22 07 19 00-0892	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	118.77	21.28
		<i>For Work In Restricted Working Space, Add</i>	19.34	
22 07 19 00-0893	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	141.67	27.20
		<i>For Work In Restricted Working Space, Add</i>	24.73	
22 07 19 00-0894	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	153.78	28.56
		<i>For Work In Restricted Working Space, Add</i>	25.95	
22 07 19 00-0895	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	170.77	32.64
		<i>For Work In Restricted Working Space, Add</i>	29.67	
22 07 19 00-0896	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	213.28	39.43
		<i>For Work In Restricted Working Space, Add</i>	35.85	
22 07 19 00-0897 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0847)				
22 07 19 00-0898	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	41.70	9.59
		<i>For Work In Restricted Working Space, Add</i>	8.72	
22 07 19 00-0899	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.18	9.57
		<i>For Work In Restricted Working Space, Add</i>	8.71	
22 07 19 00-0900	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	45.17	9.73
		<i>For Work In Restricted Working Space, Add</i>	8.85	
22 07 19 00-0901	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	46.89	9.81
		<i>For Work In Restricted Working Space, Add</i>	8.92	
22 07 19 00-0902	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	48.62	9.89
		<i>For Work In Restricted Working Space, Add</i>	8.99	
22 07 19 00-0903	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	51.94	10.28
		<i>For Work In Restricted Working Space, Add</i>	9.36	
22 07 19 00-0904	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	55.08	10.65
		<i>For Work In Restricted Working Space, Add</i>	9.68	
22 07 19 00-0905	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	59.49	11.02
		<i>For Work In Restricted Working Space, Add</i>	10.02	
22 07 19 00-0906	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	66.23	11.62
		<i>For Work In Restricted Working Space, Add</i>	10.56	
22 07 19 00-0907	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	78.78	13.22
		<i>For Work In Restricted Working Space, Add</i>	12.01	
22 07 19 00-0908	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	87.79	14.73
		<i>For Work In Restricted Working Space, Add</i>	13.39	
22 07 19 00-0909	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	100.27	16.98
		<i>For Work In Restricted Working Space, Add</i>	15.44	
22 07 19 00-0910	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	124.83	21.11
		<i>For Work In Restricted Working Space, Add</i>	19.19	
22 07 19 00-0911	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	130.79	23.04
		<i>For Work In Restricted Working Space, Add</i>	20.95	



Plumbing		22	22
Plumbing Insulation		22 07	
Plumbing Piping Insulation		22 07 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0912 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... For Work In Restricted Working Space, Add	155.56 26.77	29.45
22 07 19 00-0913 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... For Work In Restricted Working Space, Add	168.50 28.11	30.92
22 07 19 00-0914 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... For Work In Restricted Working Space, Add	193.61 32.13	35.33
22 07 19 00-0915 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... For Work In Restricted Working Space, Add	241.55 38.81	42.70
22 07 19 00-0916 3" Thick Foamglas Pipe Insulation (22 07 19 00-0847)		
22 07 19 00-0917 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	49.57 9.27	10.19
22 07 19 00-0918 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	50.47 9.27	10.19
22 07 19 00-0919 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	51.86 9.42	10.36
22 07 19 00-0920 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	52.99 9.49	10.42
22 07 19 00-0921 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	54.16 9.56	10.52
22 07 19 00-0922 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	57.99 9.95	10.94
22 07 19 00-0923 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	61.65 10.30	11.33
22 07 19 00-0924 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	69.38 10.66	11.73
22 07 19 00-0925 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	78.59 11.24	12.36
22 07 19 00-0926 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	86.36 12.77	14.05
22 07 19 00-0927 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	97.43 14.25	15.67
22 07 19 00-0928 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	115.86 16.42	18.07
22 07 19 00-0929 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	135.43 20.41	22.45
22 07 19 00-0930 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	145.26 22.28	24.51
22 07 19 00-0931 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	174.61 28.48	31.33
22 07 19 00-0932 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	186.55 29.90	32.89
22 07 19 00-0933 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	218.08 34.18	37.60
22 07 19 00-0934 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation For Work In Restricted Working Space, Add	266.30 41.29	45.43
22 07 19 00-0935 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0847)		
22 07 19 00-0936 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	59.74 11.24	12.36
22 07 19 00-0937 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	60.87 11.24	12.36
22 07 19 00-0938 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	62.25 11.31	12.43
22 07 19 00-0939 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	63.61 11.38	12.51
22 07 19 00-0940 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	65.22 11.52	12.67
22 07 19 00-0941 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	71.30 11.92	13.12
22 07 19 00-0942 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	77.44 12.34	13.58
22 07 19 00-0943 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	81.64 12.77	14.05
22 07 19 00-0944 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	87.32 13.50	14.85
22 07 19 00-0945 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	100.40 15.33	16.86
22 07 19 00-0946 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	113.95 17.08	18.78
22 07 19 00-0947 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	135.85 19.70	21.68
22 07 19 00-0948 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	161.25 24.50	26.95
22 07 19 00-0949 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	168.92 26.74	29.42
22 07 19 00-0950 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	203.78 34.18	37.60
22 07 19 00-0951 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	222.97 35.89	39.48
22 07 19 00-0952 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	253.97 41.05	45.15

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0953	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation For Work In Restricted Working Space, Add	311.36 49.56	54.51
22 07 19 00-0954 4" Thick Foamglas Pipe Insulation (22 07 19 00-0847)				
22 07 19 00-0955	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	72.82 13.80	15.19
22 07 19 00-0956	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	74.27 13.80	15.19
22 07 19 00-0957	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	76.52 14.04	15.45
22 07 19 00-0958	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	78.52 14.21	15.63
22 07 19 00-0959	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	81.46 14.65	16.12
22 07 19 00-0960	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	87.58 15.11	16.61
22 07 19 00-0961	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	92.94 15.34	16.88
22 07 19 00-0962	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	97.46 15.91	17.50
22 07 19 00-0963	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	106.72 17.74	19.51
22 07 19 00-0964	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	122.59 19.05	20.94
22 07 19 00-0965	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	137.92 20.66	22.72
22 07 19 00-0966	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	158.46 24.54	27.00
22 07 19 00-0967	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	186.19 30.47	33.53
22 07 19 00-0968	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	202.54 33.29	36.61
22 07 19 00-0969	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	242.19 42.56	46.81
22 07 19 00-0970	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	267.86 44.61	49.07
22 07 19 00-0971	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	300.87 51.05	56.15
22 07 19 00-0972	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation For Work In Restricted Working Space, Add	379.81 61.67	67.85
22 07 19 00-0973 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19)				
Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.				
22 07 19 00-0974 3/8" Wall Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19 00-0973)				
22 07 19 00-0975	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	9.97 2.84	4.73
22 07 19 00-0976	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	9.99 2.85	4.73
22 07 19 00-0977	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	10.38 2.94	4.90
22 07 19 00-0978	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	10.78 3.04	5.07
22 07 19 00-0979	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	11.13 3.09	5.16
22 07 19 00-0980	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	11.53 3.14	5.24
22 07 19 00-0981	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	11.69 3.16	5.24
22 07 19 00-0982	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	12.12 3.17	5.24
22 07 19 00-0983	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	13.00 3.26	5.40
22 07 19 00-0984	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	13.40 3.32	5.49
22 07 19 00-0985 1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0973)				
22 07 19 00-0986	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	11.02 3.09	5.16
22 07 19 00-0987	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	11.14 3.11	5.16
22 07 19 00-0988	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	11.30 3.14	5.24
22 07 19 00-0989	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	11.50 3.17	5.27
22 07 19 00-0990	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	12.01 3.24	5.40
22 07 19 00-0991	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation For Work In Restricted Working Space, Add	12.45 3.29	5.49



Plumbing		22
Plumbing Insulation		22 07
Plumbing Piping Insulation		22 07 19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0992	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.92 3.34	5.57
22 07 19 00-0993	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.49 3.39	5.65
22 07 19 00-0994	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.50 3.49	5.82
22 07 19 00-0995	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.51 3.54	5.90
22 07 19 00-0996	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.46 3.59	5.98
22 07 19 00-0997	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.06 3.64	6.06
22 07 19 00-0998 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0973)				
22 07 19 00-0999	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.20 3.34	5.57
22 07 19 00-1000	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.36 3.39	5.65
22 07 19 00-1001	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.07 3.49	5.82
22 07 19 00-1002	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.39 3.54	5.90
22 07 19 00-1003	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.26 3.64	6.06
22 07 19 00-1004	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.09 3.69	6.15
22 07 19 00-1005	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.47 3.71	6.19
22 07 19 00-1006	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.97 3.74	6.23
22 07 19 00-1007	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.08 3.84	6.39
22 07 19 00-1008	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.23 3.89	6.48
22 07 19 00-1009	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.74 3.94	6.56
22 07 19 00-1010	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.38 3.99	6.64
22 07 19 00-1011 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0973)				
22 07 19 00-1012	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.80 3.69	6.15
22 07 19 00-1013	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.13 3.74	6.23
22 07 19 00-1014	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.11 3.84	6.39
22 07 19 00-1015	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.41 3.89	6.48
22 07 19 00-1016	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.85 3.99	6.64
22 07 19 00-1017	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.60 4.09	6.82
22 07 19 00-1018	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.90 4.13	6.89
22 07 19 00-1019	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.26 4.19	6.98
22 07 19 00-1020	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.27 4.29	7.16
22 07 19 00-1021	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.12 4.34	7.23
22 07 19 00-1022 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)				
Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.				
22 07 19 00-1023 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-1022)				
22 07 19 00-1024	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.10 2.84	4.73
22 07 19 00-1025	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.21 2.85	4.73
22 07 19 00-1026	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.59 2.94	4.90
22 07 19 00-1027	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.81 2.99	4.98
22 07 19 00-1028	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.04 3.04	5.07
22 07 19 00-1029	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.32 3.09	5.16
22 07 19 00-1030	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.58 3.14	5.24

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1031	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.79 3.16	5.24
22 07 19 00-1032	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.98 3.17	5.24
22 07 19 00-1033	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.18 3.19	5.32
22 07 19 00-1034	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.50 3.24	5.40
22 07 19 00-1035	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.74 3.26	5.40
22 07 19 00-1036	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.94 3.29	5.49
22 07 19 00-1037	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.19 3.32	5.49
22 07 19 00-1038	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.70 3.34	5.57
22 07 19 00-1039	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.33 3.39	5.65
22 07 19 00-1040	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.98 3.41	5.68
22 07 19 00-1041 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-				
22 07 19 00-1042	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.24 3.09	5.16
22 07 19 00-1043	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.37 3.11	5.16
22 07 19 00-1044	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.52 3.14	5.24
22 07 19 00-1045	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.70 3.16	5.24
22 07 19 00-1046	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.83 3.17	5.24
22 07 19 00-1047	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.23 3.24	5.40
22 07 19 00-1048	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.60 3.29	5.49
22 07 19 00-1049	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.92 3.34	5.57
22 07 19 00-1050	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.21 3.37	5.62
22 07 19 00-1051	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.46 3.39	5.65
22 07 19 00-1052	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.33 3.44	5.74
22 07 19 00-1053	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.88 3.49	5.82
22 07 19 00-1054	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.28 3.52	5.87
22 07 19 00-1055	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.61 3.54	5.90
22 07 19 00-1056	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.87 3.56	5.95
22 07 19 00-1057	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.10 3.59	5.98
22 07 19 00-1058	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.09 3.64	6.06
22 07 19 00-1059	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.33 3.66	6.11
22 07 19 00-1060	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.26 3.69	6.15
22 07 19 00-1061	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.46 3.79	6.31
22 07 19 00-1062	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.78 3.89	6.48
22 07 19 00-1063 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-				
22 07 19 00-1064	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.65 3.34	5.57
22 07 19 00-1065	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.94 3.39	5.65
22 07 19 00-1066	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.42 3.49	5.82
22 07 19 00-1067	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.66 3.52	5.87
22 07 19 00-1068	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.78 3.54	5.90
22 07 19 00-1069	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.42 3.64	6.06
22 07 19 00-1070	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.88 3.69	6.15



	Plumbing	22	
	Plumbing Insulation	22 07	22
	Plumbing Piping Insulation	22 07 19	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1071	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.35 3.74	6.23
22 07 19 00-1072	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.46 3.74	6.23
22 07 19 00-1073	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.65 3.77	6.28
22 07 19 00-1074	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.15 3.79	6.31
22 07 19 00-1075	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.47 3.84	6.39
22 07 19 00-1076	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.04 3.86	6.44
22 07 19 00-1077	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.44 3.89	6.48
22 07 19 00-1078	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.05 3.92	6.53
22 07 19 00-1079	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.31 3.94	6.56
22 07 19 00-1080	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.22 3.99	6.64
22 07 19 00-1081	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.93 4.01	6.69
22 07 19 00-1082	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.10 4.04	6.72
22 07 19 00-1083	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.39 4.09	6.82
22 07 19 00-1084	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.98 4.19	6.98
22 07 19 00-1085 1" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-1022)				
22 07 19 00-1086	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.50 3.69	6.14
22 07 19 00-1087	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.86 3.74	6.23
22 07 19 00-1088	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.36 3.84	6.39
22 07 19 00-1089	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.69 3.86	6.44
22 07 19 00-1090	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.98 3.89	6.48
22 07 19 00-1091	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.58 3.99	6.64
22 07 19 00-1092	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.45 4.09	6.82
22 07 19 00-1093	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.87 4.13	6.82
22 07 19 00-1094	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.40 4.16	6.89
22 07 19 00-1095	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.61 4.19	6.98
22 07 19 00-1096	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.73 4.24	7.08
22 07 19 00-1097	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.62 4.29	7.16
22 07 19 00-1098	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.69 4.31	7.20
22 07 19 00-1099	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.03 4.34	7.23
22 07 19 00-1100	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.61 4.36	7.28
22 07 19 00-1101	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.90 4.39	7.31
22 07 19 00-1102	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.04 4.49	7.49
22 07 19 00-1103	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.45 4.54	7.57
22 07 19 00-1104	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	28.49 4.59	7.64
22 07 19 00-1105	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	30.73 4.69	7.82
22 07 19 00-1106 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-1022)				
22 07 19 00-1107	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.05 4.13	6.88
22 07 19 00-1108	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.54 4.22	7.03
22 07 19 00-1109	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.88 4.25	7.08
22 07 19 00-1110	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.21 4.27	7.14

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1111 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 21.78 <i>For Work In Restricted Working Space, Add</i> 4.37	7.30	
22 07 19 00-1112 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 22.72 <i>For Work In Restricted Working Space, Add</i> 4.53	7.57	
22 07 19 00-1113 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 23.76 <i>For Work In Restricted Working Space, Add</i> 4.57	7.46	
22 07 19 00-1114 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 24.69 <i>For Work In Restricted Working Space, Add</i> 4.63	7.63	
22 07 19 00-1115 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 25.30 <i>For Work In Restricted Working Space, Add</i> 4.69	7.82	
22 07 19 00-1116 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 27.00 <i>For Work In Restricted Working Space, Add</i> 4.74	7.91	
22 07 19 00-1117 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 28.62 <i>For Work In Restricted Working Space, Add</i> 4.79	8.01	
22 07 19 00-1118 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 29.38 <i>For Work In Restricted Working Space, Add</i> 4.81	8.04	
22 07 19 00-1119 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 30.15 <i>For Work In Restricted Working Space, Add</i> 4.84	8.05	
22 07 19 00-1120 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 31.02 <i>For Work In Restricted Working Space, Add</i> 4.86	8.10	
22 07 19 00-1121 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 31.59 <i>For Work In Restricted Working Space, Add</i> 4.88	8.13	
22 07 19 00-1122 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 34.71 <i>For Work In Restricted Working Space, Add</i> 5.05	8.43	
22 07 19 00-1123 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 36.38 <i>For Work In Restricted Working Space, Add</i> 5.13	8.56	
22 07 19 00-1124 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 40.26 <i>For Work In Restricted Working Space, Add</i> 5.21	8.68	
22 07 19 00-1125 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 44.21 <i>For Work In Restricted Working Space, Add</i> 5.37	8.95	
22 07 19 00-1126 2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-1022)		
22 07 19 00-1127 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 27.03 <i>For Work In Restricted Working Space, Add</i> 4.56	7.60	
22 07 19 00-1128 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 27.98 <i>For Work In Restricted Working Space, Add</i> 4.65	7.71	
22 07 19 00-1129 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 29.40 <i>For Work In Restricted Working Space, Add</i> 4.67	7.77	
22 07 19 00-1130 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 29.91 <i>For Work In Restricted Working Space, Add</i> 4.69	7.83	
22 07 19 00-1131 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 31.23 <i>For Work In Restricted Working Space, Add</i> 4.79	7.99	
22 07 19 00-1132 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 33.01 <i>For Work In Restricted Working Space, Add</i> 5.02	8.37	
22 07 19 00-1133 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 33.91 <i>For Work In Restricted Working Space, Add</i> 5.05	8.16	
22 07 19 00-1134 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 35.58 <i>For Work In Restricted Working Space, Add</i> 5.15	8.45	
22 07 19 00-1135 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 37.19 <i>For Work In Restricted Working Space, Add</i> 5.25	8.73	
22 07 19 00-1136 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 38.23 <i>For Work In Restricted Working Space, Add</i> 5.29	8.84	
22 07 19 00-1137 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 40.32 <i>For Work In Restricted Working Space, Add</i> 5.34	8.95	
22 07 19 00-1138 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 40.61 <i>For Work In Restricted Working Space, Add</i> 5.37	8.97	
22 07 19 00-1139 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 42.54 <i>For Work In Restricted Working Space, Add</i> 5.40	8.99	
22 07 19 00-1140 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 43.87 <i>For Work In Restricted Working Space, Add</i> 5.42	9.02	
22 07 19 00-1141 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 45.29 <i>For Work In Restricted Working Space, Add</i> 5.44	9.07	
22 07 19 00-1142 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 50.27 <i>For Work In Restricted Working Space, Add</i> 5.68	9.50	
22 07 19 00-1143 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 53.15 <i>For Work In Restricted Working Space, Add</i> 5.80	9.68	
22 07 19 00-1144 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 54.12 <i>For Work In Restricted Working Space, Add</i> 5.93	9.87	
22 07 19 00-1145 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation 60.05 <i>For Work In Restricted Working Space, Add</i> 6.16	10.27	
22 07 19 00-1146 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19) Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-1147 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-1146)		
22 07 19 00-1148 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation 10.04 <i>For Work In Restricted Working Space, Add</i> 2.84	4.73	
22 07 19 00-1149 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation 10.14 <i>For Work In Restricted Working Space, Add</i> 2.85	4.73	
22 07 19 00-1150 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation 10.50 <i>For Work In Restricted Working Space, Add</i> 2.94	4.90	



Plumbing		22
Plumbing Insulation		22 07
Plumbing Piping Insulation		22 07 19

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1151	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.93 3.04	5.07
22 07 19 00-1152	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.19 3.09	5.16
22 07 19 00-1153	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.62 3.14	5.24
22 07 19 00-1154	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.92 3.16	5.24
22 07 19 00-1155	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.15 3.17	5.40
22 07 19 00-1156	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.17 3.26	5.40
22 07 19 00-1157	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.06 3.32	5.49
22 07 19 00-1158	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.27 3.39	5.65
22 07 19 00-1159 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-1146)				
22 07 19 00-1160	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.17 3.09	5.16
22 07 19 00-1161	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.27 3.11	5.16
22 07 19 00-1162	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.46 3.14	5.24
22 07 19 00-1163	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.72 3.17	5.24
22 07 19 00-1164	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.07 3.24	5.40
22 07 19 00-1165	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.55 3.29	5.49
22 07 19 00-1166	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.05 3.34	5.57
22 07 19 00-1167	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.54 3.39	5.65
22 07 19 00-1168	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.64 3.49	5.82
22 07 19 00-1169	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.57 3.54	5.90
22 07 19 00-1170	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.37 3.64	6.06
22 07 19 00-1171 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-1146)				
22 07 19 00-1172	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.44 3.34	5.57
22 07 19 00-1173	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.80 3.39	5.65
22 07 19 00-1174	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.29 3.49	5.82
22 07 19 00-1175	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.94 3.54	5.90
22 07 19 00-1176	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.61 3.64	6.06
22 07 19 00-1177	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.63 3.69	6.15
22 07 19 00-1178	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.30 3.71	6.15
22 07 19 00-1179	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.06 3.74	6.23
22 07 19 00-1180	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.56 3.84	6.39
22 07 19 00-1181	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.88 3.89	6.48
22 07 19 00-1182	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.44 3.99	6.64
22 07 19 00-1183 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-1146)				
22 07 19 00-1184	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.56 3.69	6.15
22 07 19 00-1185	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.79 3.74	6.23
22 07 19 00-1186	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.27 3.84	6.39
22 07 19 00-1187	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.19 3.89	6.48
22 07 19 00-1188	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.01 3.99	6.64
22 07 19 00-1189	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.86 4.09	6.82
22 07 19 00-1190	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.62 4.13	6.82

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1191 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	20.31	6.98
<i>For Work In Restricted Working Space, Add</i>	4.19	
22 07 19 00-1192 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	22.58	7.16
<i>For Work In Restricted Working Space, Add</i>	4.29	
22 07 19 00-1193 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	24.17	7.23
<i>For Work In Restricted Working Space, Add</i>	4.34	

22 10 Plumbing Piping ⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies ^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002 LF 1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	21.33	4.89
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-0.77	
<i>For Work In Restricted Working Space, Add</i>	4.87	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	5.54	
22 11 16 00-0003 LF 3/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	23.42	5.25
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-0.94	
<i>For Work In Restricted Working Space, Add</i>	5.15	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	6.25	
22 11 16 00-0004 LF 1" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	26.59	5.75
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-1.24	
<i>For Work In Restricted Working Space, Add</i>	5.51	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	7.38	
22 11 16 00-0005 LF 1-1/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	31.18	5.99
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-1.76	
<i>For Work In Restricted Working Space, Add</i>	5.84	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	9.16	
22 11 16 00-0006 LF 1-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	33.57	7.09
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-1.99	
<i>For Work In Restricted Working Space, Add</i>	6.09	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	10.03	
22 11 16 00-0007 LF 2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	40.41	8.55
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-2.59	
<i>For Work In Restricted Working Space, Add</i>	6.94	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	12.40	
22 11 16 00-0008 LF 2-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	57.15	10.14
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-4.51	
<i>For Work In Restricted Working Space, Add</i>	8.13	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	18.95	
22 11 16 00-0009 LF 3" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	70.99	13.57
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-5.72	
<i>For Work In Restricted Working Space, Add</i>	9.85	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	23.74	
22 11 16 00-0010 LF 4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	101.90	15.17
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-9.97	
<i>For Work In Restricted Working Space, Add</i>	10.63	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	37.00	
22 11 16 00-0011 LF 5" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	179.87	19.39
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For ASTM 120, Deduct</i>	-20.56	
<i>For Work In Restricted Working Space, Add</i>	12.85	
<i>For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add</i>	70.24	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0012	LF		6" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....200.91 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	200.91 -22.84 14.60 78.25	22.93
22 11 16 00-0013			Galvanized Steel Pipe And Threaded Fittings (22 11 16) Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014			Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013) Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0015	LF		1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....10.35 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	10.35 -0.44 2.22 2.15	4.89
22 11 16 00-0016	LF		3/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....11.78 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	11.78 -0.58 2.37 2.66	5.25
22 11 16 00-0017	LF		1" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....14.32 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	14.32 -0.87 2.56 3.63	5.75
22 11 16 00-0018	LF		1-1/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....16.89 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	16.89 -1.17 2.72 4.66	5.99
22 11 16 00-0019	LF		1-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....19.99 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	19.99 -1.40 3.19 5.56	7.09
22 11 16 00-0020	LF		2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....25.44 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	25.44 -1.89 3.86 7.32	8.55
22 11 16 00-0021	LF		2-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....35.21 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	35.21 -2.99 4.58 11.09	10.14
22 11 16 00-0022	LF		3" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....46.47 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	46.47 -3.92 6.11 14.57	13.57
22 11 16 00-0023	LF		4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....59.97 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	59.97 -5.57 6.85 20.11	15.17
22 11 16 00-0024	LF		5" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....78.85 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	78.85 -7.47 8.71 26.82	19.39
22 11 16 00-0025	LF		6" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....98.97 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	98.97 -9.69 10.30 34.46	22.93
22 11 16 00-0026	LF		8" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....111.30 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	111.30 -10.47 12.44 37.66	27.72
22 11 16 00-0027			Seamless, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013) Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0028	LF		1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....14.34 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	14.34 -1.04 2.22 4.07	4.89
22 11 16 00-0029	LF		3/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....16.19 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	16.19 -1.25 2.37 4.77	5.25
22 11 16 00-0030	LF		1" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....18.20 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	18.20 -1.45 2.56 5.49	5.75
22 11 16 00-0031	LF		1-1/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....21.19 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	21.19 -1.82 2.72 6.73	5.99
22 11 16 00-0032	LF		1-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....24.48 For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Pipe, Add	24.48 -2.08 3.19 7.71	7.09

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0033	LF	2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	28.65	8.55
		For ASTM 120, Deduct	-2.37	
		For Work In Restricted Working Space, Add	3.86	
		For Schedule 80 Pipe, Add	8.86	
22 11 16 00-0034	LF	2-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	41.69	10.14
		For ASTM 120, Deduct	-3.96	
		For Work In Restricted Working Space, Add	4.58	
		For Schedule 80 Pipe, Add	14.20	
22 11 16 00-0035	LF	3" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	52.66	13.57
		For ASTM 120, Deduct	-4.84	
		For Work In Restricted Working Space, Add	6.11	
		For Schedule 80 Pipe, Add	17.54	
22 11 16 00-0036	LF	4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	68.98	15.17
		For ASTM 120, Deduct	-6.92	
		For Work In Restricted Working Space, Add	6.85	
		For Schedule 80 Pipe, Add	24.44	
22 11 16 00-0037	LF	5" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	89.29	19.39
		For ASTM 120, Deduct	-9.04	
		For Work In Restricted Working Space, Add	8.71	
		For Schedule 80 Pipe, Add	31.83	
22 11 16 00-0038	LF	6" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	111.42	22.93
		For ASTM 120, Deduct	-11.56	
		For Work In Restricted Working Space, Add	10.30	
		For Schedule 80 Pipe, Add	40.43	
22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)				
22 11 16 00-0040	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	36.45	21.76
		For ASTM 120, Deduct	-0.58	
		For Work In Restricted Working Space, Add	9.78	
		For 300 Lb. Rating, Add	15.05	
22 11 16 00-0041	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	41.21	24.33
		For ASTM 120, Deduct	-0.71	
		For Work In Restricted Working Space, Add	10.95	
		For 300 Lb. Rating, Add	18.24	
22 11 16 00-0042	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	49.50	27.14
		For ASTM 120, Deduct	-1.31	
		For Work In Restricted Working Space, Add	12.23	
		For 300 Lb. Rating, Add	32.20	
22 11 16 00-0043	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	59.97	30.81
		For ASTM 120, Deduct	-2.07	
		For Work In Restricted Working Space, Add	13.84	
		For 300 Lb. Rating, Add	49.79	
22 11 16 00-0044	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	70.07	34.72
		For ASTM 120, Deduct	-2.71	
		For Work In Restricted Working Space, Add	15.61	
		For 300 Lb. Rating, Add	64.49	
22 11 16 00-0045	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	95.64	44.13
		For ASTM 120, Deduct	-4.43	
		For Work In Restricted Working Space, Add	19.82	
		For 300 Lb. Rating, Add	104.47	
22 11 16 00-0046	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	175.15	65.28
		For ASTM 120, Deduct	-11.60	
		For Work In Restricted Working Space, Add	29.34	
		For 300 Lb. Rating, Add	268.86	
22 11 16 00-0047	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	256.21	85.82
		For ASTM 120, Deduct	-19.13	
		For Work In Restricted Working Space, Add	38.60	
		For 300 Lb. Rating, Add	441.32	
22 11 16 00-0048	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	358.01	88.74
		For ASTM 120, Deduct	-33.74	
		For Work In Restricted Working Space, Add	39.92	
		For 300 Lb. Rating, Add	772.75	
22 11 16 00-0049	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,110.23	92.62
		For ASTM 120, Deduct	-145.70	
		For Work In Restricted Working Space, Add	41.66	
		For 300 Lb. Rating, Add	3,310.96	
22 11 16 00-0050	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,040.67	96.84
		For ASTM 120, Deduct	-134.32	
		For Work In Restricted Working Space, Add	43.55	
		For 300 Lb. Rating, Add	3,053.38	
22 11 16 00-0051	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,232.07	101.20
		For ASTM 120, Deduct	-162.05	
		For Work In Restricted Working Space, Add	45.52	
		For 300 Lb. Rating, Add	3,682.29	
22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)				
22 11 16 00-0053	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	42.76	22.99
		For ASTM 120, Deduct	-1.23	
		For Work In Restricted Working Space, Add	10.37	
22 11 16 00-0054	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	49.16	25.79
		For ASTM 120, Deduct	-1.58	
		For Work In Restricted Working Space, Add	11.59	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0055	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	47.85	24.45
		For ASTM 120, Deduct	.....	-1.68	
		For Work In Restricted Working Space, Add	.....	11.00	
22 11 16 00-0056	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	61.12	28.98
		For ASTM 120, Deduct	.....	-2.65	
		For Work In Restricted Working Space, Add	.....	13.03	
22 11 16 00-0057	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	62.54	27.51
		For ASTM 120, Deduct	.....	-3.19	
		For Work In Restricted Working Space, Add	.....	12.39	
22 11 16 00-0058	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	61.86	26.29
		For ASTM 120, Deduct	.....	-3.38	
		For Work In Restricted Working Space, Add	.....	11.81	
22 11 16 00-0059	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	77.32	32.76
		For ASTM 120, Deduct	.....	-4.24	
		For Work In Restricted Working Space, Add	.....	14.72	
22 11 16 00-0060	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	74.63	30.93
		For ASTM 120, Deduct	.....	-4.24	
		For Work In Restricted Working Space, Add	.....	13.91	
22 11 16 00-0061	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	72.50	29.46
		For ASTM 120, Deduct	.....	-4.24	
		For Work In Restricted Working Space, Add	.....	13.28	
22 11 16 00-0062	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	92.06	39.36
		For ASTM 120, Deduct	.....	-4.95	
		For Work In Restricted Working Space, Add	.....	17.72	
22 11 16 00-0063	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	93.94	37.41
		For ASTM 120, Deduct	.....	-5.68	
		For Work In Restricted Working Space, Add	.....	16.83	
22 11 16 00-0064	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	92.67	35.58
		For ASTM 120, Deduct	.....	-5.89	
		For Work In Restricted Working Space, Add	.....	16.02	
22 11 16 00-0065	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	81.08	34.23
		For ASTM 120, Deduct	.....	-4.47	
		For Work In Restricted Working Space, Add	.....	15.39	
22 11 16 00-0066	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	193.82	54.65
		For ASTM 120, Deduct	.....	-16.78	
		For Work In Restricted Working Space, Add	.....	24.58	
22 11 16 00-0067	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	199.56	50.00
		For ASTM 120, Deduct	.....	-18.70	
		For Work In Restricted Working Space, Add	.....	22.47	
22 11 16 00-0068	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	316.58	75.55
		For ASTM 120, Deduct	.....	-30.50	
		For Work In Restricted Working Space, Add	.....	33.97	
22 11 16 00-0069	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	274.00	64.92
		For ASTM 120, Deduct	.....	-26.49	
		For Work In Restricted Working Space, Add	.....	29.21	
22 11 16 00-0070	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	586.73	84.41
		For ASTM 120, Deduct	.....	-69.02	
		For Work In Restricted Working Space, Add	.....	37.97	
22 11 16 00-0071	Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)				
22 11 16 00-0072	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	37.41	21.76
		For ASTM 120, Deduct	.....	-0.72	
		For Work In Restricted Working Space, Add	.....	9.78	
		For 300 Lb. Rating, Add	.....	18.31	
22 11 16 00-0073	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	43.41	24.33
		For ASTM 120, Deduct	.....	-1.04	
		For Work In Restricted Working Space, Add	.....	10.95	
		For 300 Lb. Rating, Add	.....	25.72	
22 11 16 00-0074	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	48.55	27.14
		For ASTM 120, Deduct	.....	-1.17	
		For Work In Restricted Working Space, Add	.....	12.23	
		For 300 Lb. Rating, Add	.....	28.97	
22 11 16 00-0075	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	60.72	30.81
		For ASTM 120, Deduct	.....	-2.19	
		For Work In Restricted Working Space, Add	.....	13.84	
		For 300 Lb. Rating, Add	.....	52.34	
22 11 16 00-0076	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	69.15	34.72
		For ASTM 120, Deduct	.....	-2.57	
		For Work In Restricted Working Space, Add	.....	15.61	
		For 300 Lb. Rating, Add	.....	61.36	
22 11 16 00-0077	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	91.43	44.13
		For ASTM 120, Deduct	.....	-3.80	
		For Work In Restricted Working Space, Add	.....	19.82	
		For 300 Lb. Rating, Add	.....	90.15	
22 11 16 00-0078	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	186.00	65.28
		For ASTM 120, Deduct	.....	-13.23	
		For Work In Restricted Working Space, Add	.....	29.34	
		For 300 Lb. Rating, Add	.....	305.75	
22 11 16 00-0079	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	256.96	85.82
		For ASTM 120, Deduct	.....	-19.24	
		For Work In Restricted Working Space, Add	.....	38.60	
		For 300 Lb. Rating, Add	.....	443.87	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0080	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	348.14	88.74
		For ASTM 120, Deduct	-32.26	
		For Work In Restricted Working Space, Add	39.92	
		For 300 Lb. Rating, Add	739.19	
22 11 16 00-0081	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,007.88	92.62
		For ASTM 120, Deduct	-130.35	
		For Work In Restricted Working Space, Add	41.66	
		For 300 Lb. Rating, Add	2,962.97	
22 11 16 00-0082	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,193.00	96.84
		For ASTM 120, Deduct	-157.17	
		For Work In Restricted Working Space, Add	43.55	
		For 300 Lb. Rating, Add	3,571.30	
22 11 16 00-0083	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,414.04	101.20
		For ASTM 120, Deduct	-189.35	
		For Work In Restricted Working Space, Add	45.52	
		For 300 Lb. Rating, Add	4,300.99	
22 11 16 00-0084 Galvanized Malleable Iron Tees (22 11 16 00-0013)				
22 11 16 00-0085	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	45.73	27.14
		For ASTM 120, Deduct	-0.75	
		For Work In Restricted Working Space, Add	12.23	
		For 300 Lb. Rating, Add	19.38	
22 11 16 00-0086	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	55.24	31.42
		For ASTM 120, Deduct	-1.23	
		For Work In Restricted Working Space, Add	14.11	
		For 300 Lb. Rating, Add	30.77	
22 11 16 00-0087	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Tee	68.86	37.04
		For ASTM 120, Deduct	-1.99	
		For Work In Restricted Working Space, Add	16.67	
		For 300 Lb. Rating, Add	48.52	
22 11 16 00-0088	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	87.17	44.13
		For ASTM 120, Deduct	-3.16	
		For Work In Restricted Working Space, Add	19.82	
		For 300 Lb. Rating, Add	75.67	
22 11 16 00-0089	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	105.08	52.57
		For ASTM 120, Deduct	-3.93	
		For Work In Restricted Working Space, Add	23.66	
		For 300 Lb. Rating, Add	93.85	
22 11 16 00-0090	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	140.41	65.28
		For ASTM 120, Deduct	-6.39	
		For Work In Restricted Working Space, Add	29.34	
		For 300 Lb. Rating, Add	150.74	
22 11 16 00-0091	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	226.25	70.90
		For ASTM 120, Deduct	-17.99	
		For Work In Restricted Working Space, Add	31.89	
		For 300 Lb. Rating, Add	414.21	
22 11 16 00-0092	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Tee	269.35	85.82
		For ASTM 120, Deduct	-21.10	
		For Work In Restricted Working Space, Add	38.60	
		For 300 Lb. Rating, Add	486.00	
22 11 16 00-0093	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	500.88	112.14
		For ASTM 120, Deduct	-49.92	
		For Work In Restricted Working Space, Add	50.43	
		For 300 Lb. Rating, Add	1,141.50	
22 11 16 00-0094	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,245.65	133.12
		For ASTM 120, Deduct	-156.90	
		For Work In Restricted Working Space, Add	59.89	
		For 300 Lb. Rating, Add	3,568.48	
22 11 16 00-0095	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,414.58	152.17
		For ASTM 120, Deduct	-177.97	
		For Work In Restricted Working Space, Add	68.44	
		For 300 Lb. Rating, Add	4,047.58	
22 11 16 00-0096	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,683.48	180.69
		For ASTM 120, Deduct	-211.46	
		For Work In Restricted Working Space, Add	82.13	
		For 300 Lb. Rating, Add	4,809.44	
22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)				
22 11 16 00-0098	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	52.33	27.14
		For ASTM 120, Deduct	-1.74	
		For Work In Restricted Working Space, Add	12.23	
		For 300 Lb. Rating, Add	41.82	
22 11 16 00-0099	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	58.44	31.42
		For ASTM 120, Deduct	-1.71	
		For Work In Restricted Working Space, Add	14.11	
		For 300 Lb. Rating, Add	41.65	
22 11 16 00-0100	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	71.62	37.04
		For ASTM 120, Deduct	-2.41	
		For Work In Restricted Working Space, Add	16.67	
		For 300 Lb. Rating, Add	57.90	

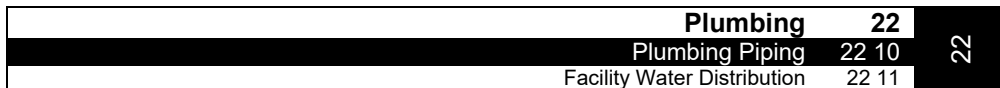


	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Water Distribution	22 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0101	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	.....	90.97	44.13
		For ASTM 120, Deduct	.....	-3.73	
		For Work In Restricted Working Space, Add	.....	19.82	
		For 300 Lb. Rating, Add	.....	88.59	
22 11 16 00-0102	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	.....	109.61	52.57
		For ASTM 120, Deduct	.....	-4.61	
		For Work In Restricted Working Space, Add	.....	23.66	
		For 300 Lb. Rating, Add	.....	109.25	
22 11 16 00-0103	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	.....	142.69	65.28
		For ASTM 120, Deduct	.....	-6.73	
		For Work In Restricted Working Space, Add	.....	29.34	
		For 300 Lb. Rating, Add	.....	158.49	
22 11 16 00-0104	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	.....	265.17	71.14
		For ASTM 120, Deduct	.....	-23.78	
		For Work In Restricted Working Space, Add	.....	31.99	
		For 300 Lb. Rating, Add	.....	545.43	
22 11 16 00-0105	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	.....	336.34	87.17
		For ASTM 120, Deduct	.....	-30.84	
		For Work In Restricted Working Space, Add	.....	39.22	
		For 300 Lb. Rating, Add	.....	706.95	
22 11 16 00-0106	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	.....	764.16	112.14
		For ASTM 120, Deduct	.....	-89.41	
		For Work In Restricted Working Space, Add	.....	50.43	
		For 300 Lb. Rating, Add	.....	2,036.66	
22 11 16 00-0107	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	.....	1,581.45	133.12
		For ASTM 120, Deduct	.....	-207.27	
		For Work In Restricted Working Space, Add	.....	59.89	
		For 300 Lb. Rating, Add	.....	4,710.20	
22 11 16 00-0108	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	.....	1,796.24	152.17
		For ASTM 120, Deduct	.....	-235.22	
		For Work In Restricted Working Space, Add	.....	68.44	
		For 300 Lb. Rating, Add	.....	5,345.23	
22 11 16 00-0109	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	.....	2,153.10	174.74
		For ASTM 120, Deduct	.....	-283.61	
		For Work In Restricted Working Space, Add	.....	78.71	
		For 300 Lb. Rating, Add	.....	6,444.22	
22 11 16 00-0110		Galvanized Malleable Iron Couplings (22 11 16 00-0013)			
22 11 16 00-0111	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	41.84	21.76
		For ASTM 120, Deduct	.....	-1.39	
		For Work In Restricted Working Space, Add	.....	9.78	
		For 300 Lb. Rating, Add	.....	33.37	
22 11 16 00-0112	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	47.14	24.33
		For ASTM 120, Deduct	.....	-1.60	
		For Work In Restricted Working Space, Add	.....	10.95	
		For 300 Lb. Rating, Add	.....	38.40	
22 11 16 00-0113	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	58.20	27.14
		For ASTM 120, Deduct	.....	-2.62	
		For Work In Restricted Working Space, Add	.....	12.23	
		For 300 Lb. Rating, Add	.....	61.78	
22 11 16 00-0114	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	70.76	30.81
		For ASTM 120, Deduct	.....	-3.69	
		For Work In Restricted Working Space, Add	.....	13.84	
		For 300 Lb. Rating, Add	.....	86.48	
22 11 16 00-0115	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	80.00	34.72
		For ASTM 120, Deduct	.....	-4.20	
		For Work In Restricted Working Space, Add	.....	15.61	
		For 300 Lb. Rating, Add	.....	98.25	
22 11 16 00-0116	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	106.99	44.13
		For ASTM 120, Deduct	.....	-6.14	
		For Work In Restricted Working Space, Add	.....	19.82	
		For 300 Lb. Rating, Add	.....	143.06	
22 11 16 00-0117	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	223.03	65.28
		For ASTM 120, Deduct	.....	-18.78	
		For Work In Restricted Working Space, Add	.....	29.34	
		For 300 Lb. Rating, Add	.....	431.65	
22 11 16 00-0118	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	296.06	85.82
		For ASTM 120, Deduct	.....	-25.11	
		For Work In Restricted Working Space, Add	.....	38.60	
		For 300 Lb. Rating, Add	.....	576.81	
22 11 16 00-0119	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	488.56	88.74
		For ASTM 120, Deduct	.....	-53.32	
		For Work In Restricted Working Space, Add	.....	39.92	
		For 300 Lb. Rating, Add	.....	1,216.62	
22 11 16 00-0120	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	1,139.81	92.62
		For ASTM 120, Deduct	.....	-150.14	
		For Work In Restricted Working Space, Add	.....	41.66	
		For 300 Lb. Rating, Add	.....	3,411.53	
22 11 16 00-0121	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	.....	1,285.52	96.84
		For ASTM 120, Deduct	.....	-171.05	
		For Work In Restricted Working Space, Add	.....	43.55	
		For 300 Lb. Rating, Add	.....	3,885.87	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0122	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	1,526.07	101.20
		For ASTM 120, Deduct	-206.15	
		For Work In Restricted Working Space, Add	45.52	
		For 300 Lb. Rating, Add	4,681.89	
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)				
22 11 16 00-0124	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	43.81	21.76
		For ASTM 120, Deduct	-1.68	
		For Work In Restricted Working Space, Add	9.78	
		For 300 Lb. Rating, Add	40.07	
22 11 16 00-0125	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	48.48	24.33
		For ASTM 120, Deduct	-1.80	
		For Work In Restricted Working Space, Add	10.95	
		For 300 Lb. Rating, Add	42.96	
22 11 16 00-0126	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	60.73	27.14
		For ASTM 120, Deduct	-3.00	
		For Work In Restricted Working Space, Add	12.23	
		For 300 Lb. Rating, Add	70.38	
22 11 16 00-0127	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	71.97	30.81
		For ASTM 120, Deduct	-3.87	
		For Work In Restricted Working Space, Add	13.84	
		For 300 Lb. Rating, Add	90.59	
22 11 16 00-0128	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	85.34	34.72
		For ASTM 120, Deduct	-5.00	
		For Work In Restricted Working Space, Add	15.61	
		For 300 Lb. Rating, Add	116.41	
22 11 16 00-0129	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	111.53	44.13
		For ASTM 120, Deduct	-6.82	
		For Work In Restricted Working Space, Add	19.82	
		For 300 Lb. Rating, Add	158.49	
22 11 16 00-0130	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	224.62	65.28
		For ASTM 120, Deduct	-19.02	
		For Work In Restricted Working Space, Add	29.34	
		For 300 Lb. Rating, Add	437.06	
22 11 16 00-0131	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	291.31	85.82
		For ASTM 120, Deduct	-24.39	
		For Work In Restricted Working Space, Add	38.60	
		For 300 Lb. Rating, Add	560.66	
22 11 16 00-0132	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	497.71	88.74
		For ASTM 120, Deduct	-54.69	
		For Work In Restricted Working Space, Add	39.92	
		For 300 Lb. Rating, Add	1,247.73	
22 11 16 00-0133	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	1,192.50	92.62
		For ASTM 120, Deduct	-158.04	
		For Work In Restricted Working Space, Add	41.66	
		For 300 Lb. Rating, Add	3,590.67	
22 11 16 00-0134	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	1,345.54	96.84
		For ASTM 120, Deduct	-180.05	
		For Work In Restricted Working Space, Add	43.55	
		For 300 Lb. Rating, Add	4,089.93	
22 11 16 00-0135	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	1,598.94	101.20
		For ASTM 120, Deduct	-217.08	
		For Work In Restricted Working Space, Add	45.52	
		For 300 Lb. Rating, Add	4,929.65	
22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)				
22 11 16 00-0137	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	17.37	10.14
		For ASTM 120, Deduct	-0.31	
		For Work In Restricted Working Space, Add	4.58	
		For 300 Lb. Rating, Add	8.02	
22 11 16 00-0138	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	19.19	10.88
		For ASTM 120, Deduct	-0.43	
		For Work In Restricted Working Space, Add	4.89	
		For 300 Lb. Rating, Add	10.80	
22 11 16 00-0139	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Cap	22.40	12.59
		For ASTM 120, Deduct	-0.54	
		For Work In Restricted Working Space, Add	5.64	
		For 300 Lb. Rating, Add	13.33	
22 11 16 00-0140	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	24.44	13.20
		For ASTM 120, Deduct	-0.71	
		For Work In Restricted Working Space, Add	5.92	
		For 300 Lb. Rating, Add	17.23	
22 11 16 00-0141	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	24.14	13.20
		For ASTM 120, Deduct	-0.66	
		For Work In Restricted Working Space, Add	5.92	
		For 300 Lb. Rating, Add	16.21	
22 11 16 00-0142	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	35.75	17.48
		For ASTM 120, Deduct	-1.42	
		For Work In Restricted Working Space, Add	7.89	
		For 300 Lb. Rating, Add	33.74	



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22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0177	EA	3/8" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.68	11.61
		For ASTM 120, Deduct	-0.33	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.53	
22 11 16 00-0178	EA	1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.26	11.61
		For ASTM 120, Deduct	-0.27	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.05	
22 11 16 00-0179	EA	3/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.64	11.61
		For ASTM 120, Deduct	-0.33	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.49	
22 11 16 00-0180	EA	1" Diameter x Close, Schedule 40 Galvanized Steel Nipple	21.80	12.59
		For ASTM 120, Deduct	-0.45	
		For Work In Restricted Working Space, Add	5.64	
		For Schedule 80 Nipples, Add	3.41	
22 11 16 00-0181	EA	1-1/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	24.39	13.57
		For ASTM 120, Deduct	-0.60	
		For Work In Restricted Working Space, Add	6.11	
		For Schedule 80 Nipples, Add	4.58	
22 11 16 00-0182	EA	1-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	25.08	13.57
		For ASTM 120, Deduct	-0.71	
		For Work In Restricted Working Space, Add	6.11	
		For Schedule 80 Nipples, Add	5.37	
22 11 16 00-0183	EA	2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	32.94	17.48
		For ASTM 120, Deduct	-1.00	
		For Work In Restricted Working Space, Add	7.89	
		For Schedule 80 Nipples, Add	7.58	
22 11 16 00-0184	EA	2-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	52.38	21.76
		For ASTM 120, Deduct	-2.97	
		For Work In Restricted Working Space, Add	9.78	
		For Schedule 80 Nipples, Add	22.55	
22 11 16 00-0185	EA	3" Diameter x Close, Schedule 40 Galvanized Steel Nipple	63.13	26.29
		For ASTM 120, Deduct	-3.56	
		For Work In Restricted Working Space, Add	11.83	
		For Schedule 80 Nipples, Add	27.02	
22 11 16 00-0186	EA	4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	81.16	30.45
		For ASTM 120, Deduct	-5.33	
		For Work In Restricted Working Space, Add	13.69	
		For Schedule 80 Nipples, Add	40.50	
22 11 16 00-0187	EA	3/8" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.01	11.61
		For ASTM 120, Deduct	-0.38	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.91	
22 11 16 00-0188	EA	1/2" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.35	11.61
		For ASTM 120, Deduct	-0.28	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.15	
22 11 16 00-0189	EA	3/4" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.84	11.61
		For ASTM 120, Deduct	-0.36	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.71	
22 11 16 00-0190	EA	3/8" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	20.01	11.61
		For ASTM 120, Deduct	-0.38	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.91	
22 11 16 00-0191	EA	1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.35	11.61
		For ASTM 120, Deduct	-0.28	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.15	
22 11 16 00-0192	EA	3/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.84	11.61
		For ASTM 120, Deduct	-0.36	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.71	
22 11 16 00-0193	EA	1" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	22.35	12.59
		For ASTM 120, Deduct	-0.53	
		For Work In Restricted Working Space, Add	5.64	
		For Schedule 80 Nipples, Add	4.04	
22 11 16 00-0194	EA	1-1/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	24.68	13.57
		For ASTM 120, Deduct	-0.65	
		For Work In Restricted Working Space, Add	6.11	
		For Schedule 80 Nipples, Add	4.91	
22 11 16 00-0195	EA	1-1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	25.43	13.57
		For ASTM 120, Deduct	-0.76	
		For Work In Restricted Working Space, Add	6.11	
		For Schedule 80 Nipples, Add	5.77	
22 11 16 00-0196	EA	3/8" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.86	11.61
		For ASTM 120, Deduct	-0.51	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	3.88	
22 11 16 00-0197	EA	1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.68	11.61
		For ASTM 120, Deduct	-0.33	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	2.53	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0198	EA		3/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	20.09	11.61
			For ASTM 120, Deduct	-0.39	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	3.00	
22 11 16 00-0199	EA		1" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	22.64	12.59
			For ASTM 120, Deduct	-0.57	
			For Work In Restricted Working Space, Add	5.64	
			For Schedule 80 Nipples, Add	4.37	
22 11 16 00-0200	EA		1-1/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	25.10	13.57
			For ASTM 120, Deduct	-0.71	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	5.39	
22 11 16 00-0201	EA		1-1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	26.01	13.57
			For ASTM 120, Deduct	-0.85	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	6.43	
22 11 16 00-0202	EA		2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	33.77	17.48
			For ASTM 120, Deduct	-1.12	
			For Work In Restricted Working Space, Add	7.89	
			For Schedule 80 Nipples, Add	8.53	
22 11 16 00-0203	EA		3/8" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	20.86	11.61
			For ASTM 120, Deduct	-0.51	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	3.88	
22 11 16 00-0204	EA		1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	19.68	11.61
			For ASTM 120, Deduct	-0.33	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	2.53	
22 11 16 00-0205	EA		3/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	20.09	11.61
			For ASTM 120, Deduct	-0.39	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	3.00	
22 11 16 00-0206	EA		1" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	22.64	12.59
			For ASTM 120, Deduct	-0.57	
			For Work In Restricted Working Space, Add	5.64	
			For Schedule 80 Nipples, Add	4.37	
22 11 16 00-0207	EA		1-1/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	25.10	13.57
			For ASTM 120, Deduct	-0.71	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	5.39	
22 11 16 00-0208	EA		1-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	26.01	13.57
			For ASTM 120, Deduct	-0.85	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	6.43	
22 11 16 00-0209	EA		2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	33.77	17.48
			For ASTM 120, Deduct	-1.12	
			For Work In Restricted Working Space, Add	7.89	
			For Schedule 80 Nipples, Add	8.53	
22 11 16 00-0210	EA		2-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	53.14	21.76
			For ASTM 120, Deduct	-3.08	
			For Work In Restricted Working Space, Add	9.78	
			For Schedule 80 Nipples, Add	23.42	
22 11 16 00-0211	EA		3" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	66.40	26.29
			For ASTM 120, Deduct	-4.05	
			For Work In Restricted Working Space, Add	11.83	
			For Schedule 80 Nipples, Add	30.75	
22 11 16 00-0212	EA		3/8" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	21.50	11.61
			For ASTM 120, Deduct	-0.61	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	4.61	
22 11 16 00-0213	EA		1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	20.20	11.61
			For ASTM 120, Deduct	-0.41	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	3.12	
22 11 16 00-0214	EA		3/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	20.86	11.61
			For ASTM 120, Deduct	-0.51	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	3.88	
22 11 16 00-0215	EA		1" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	23.41	12.59
			For ASTM 120, Deduct	-0.69	
			For Work In Restricted Working Space, Add	5.64	
			For Schedule 80 Nipples, Add	5.24	
22 11 16 00-0216	EA		1-1/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	26.01	13.57
			For ASTM 120, Deduct	-0.85	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	6.43	
22 11 16 00-0217	EA		1-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	27.50	13.57
			For ASTM 120, Deduct	-1.07	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	8.13	
22 11 16 00-0218	EA		2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	35.37	17.48
			For ASTM 120, Deduct	-1.36	
			For Work In Restricted Working Space, Add	7.89	
			For Schedule 80 Nipples, Add	10.35	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0219 EA 2-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	56.44	21.76
For ASTM 120, Deduct	-3.58	
For Work In Restricted Working Space, Add	9.78	
For Schedule 80 Nipples, Add	27.18	
22 11 16 00-0220 EA 3" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	71.07	26.29
For ASTM 120, Deduct	-4.75	
For Work In Restricted Working Space, Add	11.83	
For Schedule 80 Nipples, Add	36.07	
22 11 16 00-0221 EA 3/8" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	21.50	11.61
For ASTM 120, Deduct	-0.61	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	4.61	
22 11 16 00-0222 EA 1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	20.20	11.61
For ASTM 120, Deduct	-0.41	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	3.12	
22 11 16 00-0223 EA 3/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	21.50	11.61
For ASTM 120, Deduct	-0.61	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	4.61	
22 11 16 00-0224 EA 1" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	23.41	12.59
For ASTM 120, Deduct	-0.69	
For Work In Restricted Working Space, Add	5.64	
For Schedule 80 Nipples, Add	5.24	
22 11 16 00-0225 EA 1-1/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	26.01	13.57
For ASTM 120, Deduct	-0.85	
For Work In Restricted Working Space, Add	6.11	
For Schedule 80 Nipples, Add	6.43	
22 11 16 00-0226 EA 1-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	27.50	13.57
For ASTM 120, Deduct	-1.07	
For Work In Restricted Working Space, Add	6.11	
For Schedule 80 Nipples, Add	8.13	
22 11 16 00-0227 EA 2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	35.45	17.48
For ASTM 120, Deduct	-1.37	
For Work In Restricted Working Space, Add	7.89	
For Schedule 80 Nipples, Add	10.44	
22 11 16 00-0228 EA 2-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	56.44	21.76
For ASTM 120, Deduct	-3.58	
For Work In Restricted Working Space, Add	9.78	
For Schedule 80 Nipples, Add	27.18	
22 11 16 00-0229 EA 3" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	71.07	26.29
For ASTM 120, Deduct	-4.75	
For Work In Restricted Working Space, Add	11.83	
For Schedule 80 Nipples, Add	36.07	
22 11 16 00-0230 EA 4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	88.11	30.45
For ASTM 120, Deduct	-6.37	
For Work In Restricted Working Space, Add	13.69	
For Schedule 80 Nipples, Add	48.43	
22 11 16 00-0231 EA 3/8" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	23.02	11.61
For ASTM 120, Deduct	-0.83	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	6.34	
22 11 16 00-0232 EA 1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	20.76	11.61
For ASTM 120, Deduct	-0.50	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	3.76	
22 11 16 00-0233 EA 3/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	21.52	11.61
For ASTM 120, Deduct	-0.61	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	4.63	
22 11 16 00-0234 EA 1" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	24.45	12.59
For ASTM 120, Deduct	-0.85	
For Work In Restricted Working Space, Add	5.64	
For Schedule 80 Nipples, Add	6.43	
22 11 16 00-0235 EA 1-1/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	27.34	13.57
For ASTM 120, Deduct	-1.05	
For Work In Restricted Working Space, Add	6.11	
For Schedule 80 Nipples, Add	7.95	
22 11 16 00-0236 EA 1-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	28.99	13.57
For ASTM 120, Deduct	-1.29	
For Work In Restricted Working Space, Add	6.11	
For Schedule 80 Nipples, Add	9.83	
22 11 16 00-0237 EA 2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	37.88	17.48
For ASTM 120, Deduct	-1.74	
For Work In Restricted Working Space, Add	7.89	
For Schedule 80 Nipples, Add	13.21	
22 11 16 00-0238 EA 2-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	59.18	21.76
For ASTM 120, Deduct	-3.99	
For Work In Restricted Working Space, Add	9.78	
For Schedule 80 Nipples, Add	30.30	
22 11 16 00-0239 EA 3" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	76.31	26.29
For ASTM 120, Deduct	-5.53	
For Work In Restricted Working Space, Add	11.83	
For Schedule 80 Nipples, Add	42.04	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0240	EA		4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	93.27	30.45
			For ASTM 120, Deduct	-7.15	
			For Work In Restricted Working Space, Add	13.69	
			For Schedule 80 Nipples, Add	54.31	
22 11 16 00-0241	EA		3/8" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	23.02	11.61
			For ASTM 120, Deduct	-0.83	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	6.34	
22 11 16 00-0242	EA		1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	20.76	11.61
			For ASTM 120, Deduct	-0.50	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	3.76	
22 11 16 00-0243	EA		3/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	21.52	11.61
			For ASTM 120, Deduct	-0.61	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	4.63	
22 11 16 00-0244	EA		1" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	24.45	12.59
			For ASTM 120, Deduct	-0.85	
			For Work In Restricted Working Space, Add	5.64	
			For Schedule 80 Nipples, Add	6.43	
22 11 16 00-0245	EA		1-1/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	27.34	13.57
			For ASTM 120, Deduct	-1.05	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	7.95	
22 11 16 00-0246	EA		1-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	28.99	13.57
			For ASTM 120, Deduct	-1.29	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	9.83	
22 11 16 00-0247	EA		2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	37.88	17.48
			For ASTM 120, Deduct	-1.74	
			For Work In Restricted Working Space, Add	7.89	
			For Schedule 80 Nipples, Add	13.21	
22 11 16 00-0248	EA		2-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	59.18	21.76
			For ASTM 120, Deduct	-3.99	
			For Work In Restricted Working Space, Add	9.78	
			For Schedule 80 Nipples, Add	30.30	
22 11 16 00-0249	EA		3" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	76.31	26.29
			For ASTM 120, Deduct	-5.53	
			For Work In Restricted Working Space, Add	11.83	
			For Schedule 80 Nipples, Add	42.04	
22 11 16 00-0250	EA		4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	93.27	30.45
			For ASTM 120, Deduct	-7.15	
			For Work In Restricted Working Space, Add	13.69	
			For Schedule 80 Nipples, Add	54.31	
22 11 16 00-0251	EA		3/8" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	23.64	11.61
			For ASTM 120, Deduct	-0.93	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	7.05	
22 11 16 00-0252	EA		1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	21.21	11.61
			For ASTM 120, Deduct	-0.56	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	4.28	
22 11 16 00-0253	EA		3/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	22.33	11.61
			For ASTM 120, Deduct	-0.73	
			For Work In Restricted Working Space, Add	5.24	
			For Schedule 80 Nipples, Add	5.55	
22 11 16 00-0254	EA		1" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	25.20	12.59
			For ASTM 120, Deduct	-0.96	
			For Work In Restricted Working Space, Add	5.64	
			For Schedule 80 Nipples, Add	7.28	
22 11 16 00-0255	EA		1-1/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	28.46	13.57
			For ASTM 120, Deduct	-1.21	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	9.22	
22 11 16 00-0256	EA		1-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	30.07	13.57
			For ASTM 120, Deduct	-1.46	
			For Work In Restricted Working Space, Add	6.11	
			For Schedule 80 Nipples, Add	11.06	
22 11 16 00-0257	EA		2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	39.76	17.48
			For ASTM 120, Deduct	-2.02	
			For Work In Restricted Working Space, Add	7.89	
			For Schedule 80 Nipples, Add	15.36	
22 11 16 00-0258	EA		2-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	61.81	21.76
			For ASTM 120, Deduct	-4.38	
			For Work In Restricted Working Space, Add	9.78	
			For Schedule 80 Nipples, Add	33.30	
22 11 16 00-0259	EA		3" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	78.43	26.29
			For ASTM 120, Deduct	-5.85	
			For Work In Restricted Working Space, Add	11.83	
			For Schedule 80 Nipples, Add	44.46	
22 11 16 00-0260	EA		4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple.....	98.29	30.45
			For ASTM 120, Deduct	-7.90	
			For Work In Restricted Working Space, Add	13.69	
			For Schedule 80 Nipples, Add	60.03	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0261 EA 3/8" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	42.17	11.61
For ASTM 120, Deduct	-3.71	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	28.17	
22 11 16 00-0262 EA 1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	24.07	11.61
For ASTM 120, Deduct	-0.99	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	7.54	
22 11 16 00-0263 EA 3/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	25.90	11.61
For ASTM 120, Deduct	-1.27	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	9.62	
22 11 16 00-0264 EA 1" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	29.51	12.59
For ASTM 120, Deduct	-1.61	
For Work In Restricted Working Space, Add	5.64	
For Schedule 80 Nipples, Add	12.20	
22 11 16 00-0265 EA 1-1/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	33.49	13.57
For ASTM 120, Deduct	-1.97	
For Work In Restricted Working Space, Add	6.11	
For Schedule 80 Nipples, Add	14.96	
22 11 16 00-0266 EA 1-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	35.42	13.57
For ASTM 120, Deduct	-2.26	
For Work In Restricted Working Space, Add	6.11	
For Schedule 80 Nipples, Add	17.16	
22 11 16 00-0267 EA 2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	48.24	17.48
For ASTM 120, Deduct	-3.29	
For Work In Restricted Working Space, Add	7.89	
For Schedule 80 Nipples, Add	25.02	
22 11 16 00-0268 EA 2-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	70.19	21.76
For ASTM 120, Deduct	-5.64	
For Work In Restricted Working Space, Add	9.78	
For Schedule 80 Nipples, Add	42.85	
22 11 16 00-0269 EA 3" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	91.98	26.29
For ASTM 120, Deduct	-7.88	
For Work In Restricted Working Space, Add	11.83	
For Schedule 80 Nipples, Add	59.91	
22 11 16 00-0270 EA 4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	108.47	30.45
For ASTM 120, Deduct	-9.43	
For Work In Restricted Working Space, Add	13.69	
For Schedule 80 Nipples, Add	71.64	
22 11 16 00-0271 EA 3/8" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	29.24	11.61
For ASTM 120, Deduct	-1.77	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	13.43	
22 11 16 00-0272 EA 1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	25.30	11.61
For ASTM 120, Deduct	-1.18	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	8.94	
22 11 16 00-0273 EA 3/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	26.83	11.61
For ASTM 120, Deduct	-1.41	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	10.68	
22 11 16 00-0274 EA 1" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	31.04	12.59
For ASTM 120, Deduct	-1.83	
For Work In Restricted Working Space, Add	5.64	
For Schedule 80 Nipples, Add	13.94	
22 11 16 00-0275 EA 1-1/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	36.06	13.57
For ASTM 120, Deduct	-2.35	
For Work In Restricted Working Space, Add	6.11	
For Schedule 80 Nipples, Add	17.89	
22 11 16 00-0276 EA 1-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	37.91	13.57
For ASTM 120, Deduct	-2.63	
For Work In Restricted Working Space, Add	6.11	
For Schedule 80 Nipples, Add	20.00	
22 11 16 00-0277 EA 2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	51.96	17.48
For ASTM 120, Deduct	-3.85	
For Work In Restricted Working Space, Add	7.89	
For Schedule 80 Nipples, Add	29.26	
22 11 16 00-0278 EA 2-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	75.45	21.76
For ASTM 120, Deduct	-6.43	
For Work In Restricted Working Space, Add	9.78	
For Schedule 80 Nipples, Add	48.85	
22 11 16 00-0279 EA 3" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	99.38	26.29
For ASTM 120, Deduct	-8.99	
For Work In Restricted Working Space, Add	11.83	
For Schedule 80 Nipples, Add	68.34	
22 11 16 00-0280 EA 4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	118.46	30.45
For ASTM 120, Deduct	-10.92	
For Work In Restricted Working Space, Add	13.69	
For Schedule 80 Nipples, Add	83.03	
22 11 16 00-0281 EA 3/8" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	30.52	11.61
For ASTM 120, Deduct	-1.96	
For Work In Restricted Working Space, Add	5.24	
For Schedule 80 Nipples, Add	14.89	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
22 11 16 00-0282	EA	1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	26.39	11.61
		For ASTM 120, Deduct	-1.34	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	10.18	
22 11 16 00-0283	EA	3/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	27.97	11.61
		For ASTM 120, Deduct	-1.58	
		For Work In Restricted Working Space, Add	5.24	
		For Schedule 80 Nipples, Add	11.98	
22 11 16 00-0284	EA	1" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	33.05	12.59
		For ASTM 120, Deduct	-2.14	
		For Work In Restricted Working Space, Add	5.64	
		For Schedule 80 Nipples, Add	16.23	
22 11 16 00-0285	EA	1-1/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	39.21	13.57
		For ASTM 120, Deduct	-2.83	
		For Work In Restricted Working Space, Add	6.11	
		For Schedule 80 Nipples, Add	21.48	
22 11 16 00-0286	EA	1-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	40.44	13.57
		For ASTM 120, Deduct	-3.01	
		For Work In Restricted Working Space, Add	6.11	
		For Schedule 80 Nipples, Add	22.88	
22 11 16 00-0287	EA	2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	55.75	17.48
		For ASTM 120, Deduct	-4.42	
		For Work In Restricted Working Space, Add	7.89	
		For Schedule 80 Nipples, Add	33.58	
22 11 16 00-0288	EA	2-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	80.55	21.76
		For ASTM 120, Deduct	-7.19	
		For Work In Restricted Working Space, Add	9.78	
		For Schedule 80 Nipples, Add	54.66	
22 11 16 00-0289	EA	3" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	106.83	26.29
		For ASTM 120, Deduct	-10.11	
		For Work In Restricted Working Space, Add	11.83	
		For Schedule 80 Nipples, Add	76.84	
22 11 16 00-0290	EA	4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	128.55	30.45
		For ASTM 120, Deduct	-12.44	
		For Work In Restricted Working Space, Add	13.69	
		For Schedule 80 Nipples, Add	94.53	
22 11 16 00-0291		Galvanized Steel Dielectric Nipples With Polyethylene Liner (22 11 16 00-0013)		
		See CSI section 22 11 16 00-0837 for dielectric unions.		
22 11 16 00-0292	EA	1/2" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	19.98	11.61
		For Work In Restricted Working Space, Add	5.24	
22 11 16 00-0293	EA	1/2" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	20.36	11.61
		For Work In Restricted Working Space, Add	5.24	
22 11 16 00-0294	EA	3/4" Diameter Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	20.70	11.61
		For Work In Restricted Working Space, Add	5.24	
22 11 16 00-0295	EA	3/4" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	21.96	11.61
		For Work In Restricted Working Space, Add	5.24	
22 11 16 00-0296	EA	3/4" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	23.27	11.61
		For Work In Restricted Working Space, Add	5.24	
22 11 16 00-0297	EA	3/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	24.05	11.61
		For Work In Restricted Working Space, Add	5.24	
22 11 16 00-0298	EA	1" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	23.63	12.59
		For Work In Restricted Working Space, Add	5.65	
22 11 16 00-0299	EA	1" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	24.04	12.59
		For Work In Restricted Working Space, Add	5.65	
22 11 16 00-0300	EA	1" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	30.35	12.59
		For Work In Restricted Working Space, Add	5.65	
22 11 16 00-0301	EA	1-1/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	32.86	13.57
		For Work In Restricted Working Space, Add	6.12	
22 11 16 00-0302	EA	1-1/2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	36.34	13.57
		For Work In Restricted Working Space, Add	6.12	
22 11 16 00-0303	EA	2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	48.45	17.48
		For Work In Restricted Working Space, Add	7.89	
22 11 16 00-0304	EA	2-1/2" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	57.84	21.76
		For Work In Restricted Working Space, Add	9.79	
22 11 16 00-0305	EA	3" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	90.25	26.29
		For Work In Restricted Working Space, Add	11.84	
22 11 16 00-0306		Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0307	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	20.24	8.68
		For Work In Restricted Working Space, Add	3.91	
		For 300 Lb. Rating, Add	25.26	
22 11 16 00-0308	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	21.79	9.78
		For Work In Restricted Working Space, Add	4.38	
		For 300 Lb. Rating, Add	25.36	
22 11 16 00-0309	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	24.19	10.88
		For Work In Restricted Working Space, Add	4.89	
		For 300 Lb. Rating, Add	27.84	
22 11 16 00-0310	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	30.59	12.35
		For Work In Restricted Working Space, Add	5.54	
		For 300 Lb. Rating, Add	42.38	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0311 EA 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	37.16 6.24 56.87	13.82
22 11 16 00-0312 EA 2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug..... For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	47.23 7.93 72.31	17.60
22 11 16 00-0313 EA 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	79.69 11.74 140.29	26.04
22 11 16 00-0314 EA 3" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug..... For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	109.04 15.44 198.79	34.35
22 11 16 00-0315 EA 4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug..... For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	172.72 15.97 409.46	35.47
22 11 16 00-0316 EA 5" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug..... For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	274.78 16.67 748.72	37.07
22 11 16 00-0317 EA 6" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug..... For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	295.09 17.42 809.32	38.68
22 11 16 00-0318 Galvanized Malleable Iron Bushing (22 11 16 00-0013)		
22 11 16 00-0319 EA 3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	43.86 10.37	22.99
22 11 16 00-0320 EA 1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	47.81 11.00	24.45
22 11 16 00-0321 EA 1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	49.17 11.59	25.79
22 11 16 00-0322 EA 1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	54.95 11.81	26.29
22 11 16 00-0323 EA 1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	55.48 12.39	27.51
22 11 16 00-0324 EA 1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	57.62 13.03	28.98
22 11 16 00-0325 EA 1-1/2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	62.92 12.69	28.24
22 11 16 00-0326 EA 1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	64.86 13.28	29.46
22 11 16 00-0327 EA 1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	64.96 13.91	30.93
22 11 16 00-0328 EA 1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	66.22 14.72	32.76
22 11 16 00-0329 EA 2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	75.08 14.80	32.88
22 11 16 00-0330 EA 2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	75.24 15.39	34.23
22 11 16 00-0331 EA 2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	76.05 16.02	35.58
22 11 16 00-0332 EA 2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	78.74 16.83	37.41
22 11 16 00-0333 EA 2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	78.91 17.72	39.36
22 11 16 00-0334 EA 2-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	104.39 20.15	44.75
22 11 16 00-0335 EA 2-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	106.51 20.78	46.21
22 11 16 00-0336 EA 2-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	109.21 21.59	47.92
22 11 16 00-0337 EA 2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	111.46 22.47	50.00
22 11 16 00-0338 EA 2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	114.33 24.58	54.65
22 11 16 00-0339 EA 3" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	131.75 24.78	55.01
22 11 16 00-0340 EA 3" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	133.88 25.42	56.48
22 11 16 00-0341 EA 3" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	136.57 26.22	58.31
22 11 16 00-0342 EA 3" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	138.56 27.11	60.27
22 11 16 00-0343 EA 3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	141.08 29.21	64.92
22 11 16 00-0344 EA 3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	159.47 33.97	75.55
22 11 16 00-0345 EA 4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	186.60 25.07	55.67
22 11 16 00-0346 EA 4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	188.58 25.67	57.04
22 11 16 00-0347 EA 4" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	191.09 26.42	58.74
22 11 16 00-0348 EA 4" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing..... For Work In Restricted Working Space, Add	193.84 27.24	60.58



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0349	EA		4" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	188.27	64.91
			<i>For Work In Restricted Working Space, Add</i>	29.21	
22 11 16 00-0350	EA		4" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	215.20	74.83
			<i>For Work In Restricted Working Space, Add</i>	33.65	
22 11 16 00-0351	EA		4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	222.80	84.41
			<i>For Work In Restricted Working Space, Add</i>	37.97	
22 11 16 00-0352			Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)		
			Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.		
22 11 16 00-0353	EA		1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	75.22	44.67
22 11 16 00-0354	EA		3/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	82.23	48.90
22 11 16 00-0355	EA		1" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	94.41	55.25
22 11 16 00-0356	EA		1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	98.12	57.22
22 11 16 00-0357	EA		1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	106.79	62.23
22 11 16 00-0358	EA		2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	114.94	64.92
22 11 16 00-0359			Galvanized Cast Iron Flanges (22 11 16 00-0013)		
			Note: Excludes bolt and gasket sets		
22 11 16 00-0360	EA		3/4" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	142.62	48.90
			<i>For Work In Restricted Working Space, Add</i>	22.01	
22 11 16 00-0361	EA		1" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	136.51	55.25
			<i>For Work In Restricted Working Space, Add</i>	24.86	
22 11 16 00-0362	EA		1-1/4" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	114.13	57.22
			<i>For Work In Restricted Working Space, Add</i>	25.73	
22 11 16 00-0363	EA		1-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	135.18	62.23
			<i>For Work In Restricted Working Space, Add</i>	28.00	
22 11 16 00-0364	EA		2" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	152.79	64.92
			<i>For Work In Restricted Working Space, Add</i>	29.22	
22 11 16 00-0365	EA		2-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	177.46	75.18
			<i>For Work In Restricted Working Space, Add</i>	33.80	
22 11 16 00-0366	EA		3" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	317.96	95.35
			<i>For Work In Restricted Working Space, Add</i>	42.88	
22 11 16 00-0367	EA		4" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	420.85	121.72
			<i>For Work In Restricted Working Space, Add</i>	54.74	
22 11 16 00-0368	EA		5" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	591.44	144.87
			<i>For Work In Restricted Working Space, Add</i>	65.17	
22 11 16 00-0369	EA		6" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	649.52	166.43
			<i>For Work In Restricted Working Space, Add</i>	74.86	
22 11 16 00-0370	EA		8" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	597.91	190.21
			<i>For Work In Restricted Working Space, Add</i>	85.55	
22 11 16 00-0371			Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013)		
			Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0372	EA		1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	39.83	
			<i>For Work In Restricted Working Space, Add</i>	11.95	
22 11 16 00-0373	EA		3/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	43.81	
			<i>For Work In Restricted Working Space, Add</i>	13.14	
22 11 16 00-0374	EA		1" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	47.80	
			<i>For Work In Restricted Working Space, Add</i>	14.34	
22 11 16 00-0375	EA		1-1/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	51.78	
			<i>For Work In Restricted Working Space, Add</i>	15.53	
22 11 16 00-0376	EA		1-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	54.44	
			<i>For Work In Restricted Working Space, Add</i>	16.33	
22 11 16 00-0377	EA		2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	57.09	
			<i>For Work In Restricted Working Space, Add</i>	17.13	
22 11 16 00-0378	EA		2-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	59.75	
			<i>For Work In Restricted Working Space, Add</i>	17.93	
22 11 16 00-0379	EA		3" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	62.40	
			<i>For Work In Restricted Working Space, Add</i>	18.72	
22 11 16 00-0380	EA		4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	65.06	
			<i>For Work In Restricted Working Space, Add</i>	19.52	
22 11 16 00-0381	EA		6" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	70.36	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
22 11 16 00-0382	EA		8" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	75.67	
			<i>For Work In Restricted Working Space, Add</i>	22.70	
22 11 16 00-0383			Copper Pipe And Fittings (22 11 16)		
			Note: Excludes hangers. See CSI section 22 11 16 00-0914 for pipe with fittings assembly.		
22 11 16 00-0384			Copper Tube/Pipe (22 11 16 00-0383)		
			Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0385			Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0384)		
22 11 16 00-0386	LF		1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	6.35	2.99
			<i>For Up To 20, Add</i>	0.68	
			<i>For >200, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	1.34	
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.15	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0387 LF 3/8" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	7.40	3.11
For Up To 20, Add	0.81	
For >200, Deduct	-0.27	
For Work In Restricted Working Space, Add	1.40	
For Medical/Oxygen Service Tubing, Add	0.22	
22 11 16 00-0388 LF 1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	8.11	3.24
For Up To 20, Add	0.89	
For >200, Deduct	-0.33	
For Work In Restricted Working Space, Add	1.46	
For Medical/Oxygen Service Tubing, Add	0.26	
22 11 16 00-0389 LF 3/4" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	10.45	3.44
For Up To 20, Add	1.18	
For >200, Deduct	-0.53	
For Work In Restricted Working Space, Add	1.55	
For Medical/Oxygen Service Tubing, Add	0.42	
22 11 16 00-0390 LF 1" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	13.44	3.86
For Up To 20, Add	1.54	
For >200, Deduct	-0.77	
For Work In Restricted Working Space, Add	1.74	
For Medical/Oxygen Service Tubing, Add	0.61	
22 11 16 00-0391 LF 1-1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	19.15	5.74
For Up To 20, Add	2.18	
For >200, Deduct	-1.05	
For Work In Restricted Working Space, Add	2.58	
For Medical/Oxygen Service Tubing, Add	0.84	
22 11 16 00-0392 LF 1-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	23.18	6.41
For Up To 20, Add	2.66	
For >200, Deduct	-1.36	
For Work In Restricted Working Space, Add	2.88	
For Medical/Oxygen Service Tubing, Add	1.09	
22 11 16 00-0393 LF 2" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	33.33	7.92
For Up To 20, Add	3.87	
For >200, Deduct	-2.15	
For Work In Restricted Working Space, Add	3.56	
For Medical/Oxygen Service Tubing, Add	1.72	
22 11 16 00-0394 LF 2-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	58.95	9.30
For Up To 20, Add	6.67	
For >200, Deduct	-3.10	
For Work In Restricted Working Space, Add	8.39	
For Medical/Oxygen Service Tubing, Add	2.48	
22 11 16 00-0395 LF 3" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	74.23	10.97
For Up To 20, Add	8.46	
For >200, Deduct	-4.14	
For Work In Restricted Working Space, Add	9.86	
For Medical/Oxygen Service Tubing, Add	3.31	
22 11 16 00-0396 LF 4" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	110.79	12.37
For Up To 20, Add	12.92	
For >200, Deduct	-7.37	
For Work In Restricted Working Space, Add	11.13	
For Medical/Oxygen Service Tubing, Add	5.90	
22 11 16 00-0397 LF 5" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	172.78	14.20
For Up To 20, Add	20.53	
For >200, Deduct	-13.02	
For Work In Restricted Working Space, Add	12.78	
For Medical/Oxygen Service Tubing, Add	10.41	
22 11 16 00-0398 LF 6" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	237.27	22.02
For Up To 20, Add	28.01	
For >200, Deduct	-17.13	
For Work In Restricted Working Space, Add	19.80	
For Medical/Oxygen Service Tubing, Add	13.70	
22 11 16 00-0399 LF 8" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	396.15	24.48
For Up To 20, Add	47.68	
For >200, Deduct	-32.28	
For Work In Restricted Working Space, Add	22.02	
For Medical/Oxygen Service Tubing, Add	25.82	
22 11 16 00-0400 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0384)		
22 11 16 00-0401 LF 1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe.....	6.91	3.21
For Up To 20, Add	0.74	
For >200, Deduct	-0.21	
For Work In Restricted Working Space, Add	1.44	
For Medical/Oxygen Service Tubing, Add	0.17	
22 11 16 00-0402 LF 3/8" Diameter, Hard Drawn Type K Copper Tube/Pipe.....	9.27	3.35
For Up To 20, Add	1.02	
For >200, Deduct	-0.38	
For Work In Restricted Working Space, Add	1.65	
For Medical/Oxygen Service Tubing, Add	0.30	
22 11 16 00-0403 LF 1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe.....	9.78	3.48
For Up To 20, Add	1.09	
For >200, Deduct	-0.44	
For Work In Restricted Working Space, Add	1.61	
For Medical/Oxygen Service Tubing, Add	0.35	



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Water Distribution	22 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0404	LF	3/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	14.20	3.69	
		For Up To 20, Add	1.62		
		For >200, Deduct	-0.80		
		For Work In Restricted Working Space, Add	1.87		
		For Medical/Oxygen Service Tubing, Add	0.64		
22 11 16 00-0405	LF	1" Diameter, Hard Drawn Type K Copper Tube/Pipe	17.21	4.15	
		For Up To 20, Add	1.99		
		For >200, Deduct	-1.06		
		For Work In Restricted Working Space, Add	1.98		
		For Medical/Oxygen Service Tubing, Add	0.85		
22 11 16 00-0406	LF	1-1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	22.57	6.18	
		For Up To 20, Add	2.59		
		For >200, Deduct	-1.32		
		For Work In Restricted Working Space, Add	2.81		
		For Medical/Oxygen Service Tubing, Add	1.06		
22 11 16 00-0407	LF	1-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	27.43	6.89	
		For Up To 20, Add	3.17		
		For >200, Deduct	-1.69		
		For Work In Restricted Working Space, Add	3.16		
		For Medical/Oxygen Service Tubing, Add	1.35		
22 11 16 00-0408	LF	2" Diameter, Hard Drawn Type K Copper Tube/Pipe	38.89	8.51	
		For Up To 20, Add	4.54		
		For >200, Deduct	-2.60		
		For Work In Restricted Working Space, Add	3.87		
		For Medical/Oxygen Service Tubing, Add	2.08		
22 11 16 00-0409	LF	2-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	66.79	10.00	
		For Up To 20, Add	7.65		
		For >200, Deduct	-3.87		
		For Work In Restricted Working Space, Add	8.42		
		For Medical/Oxygen Service Tubing, Add	3.10		
22 11 16 00-0410	LF	3" Diameter, Hard Drawn Type K Copper Tube/Pipe	89.09	11.79	
		For Up To 20, Add	10.23		
		For >200, Deduct	-5.29		
		For Work In Restricted Working Space, Add	10.85		
		For Medical/Oxygen Service Tubing, Add	4.23		
22 11 16 00-0411	LF	4" Diameter, Hard Drawn Type K Copper Tube/Pipe	135.31	13.30	
		For Up To 20, Add	15.89		
		For >200, Deduct	-9.43		
		For Work In Restricted Working Space, Add	12.29		
		For Medical/Oxygen Service Tubing, Add	7.55		
22 11 16 00-0412	LF	5" Diameter, Hard Drawn Type K Copper Tube/Pipe	221.24	15.27	
		For Up To 20, Add	26.45		
		For >200, Deduct	-17.29		
		For Work In Restricted Working Space, Add	14.51		
		For Medical/Oxygen Service Tubing, Add	13.83		
22 11 16 00-0413	LF	6" Diameter, Hard Drawn Type K Copper Tube/Pipe	326.01	23.67	
		For Up To 20, Add	38.80		
		For >200, Deduct	-24.80		
		For Work In Restricted Working Space, Add	23.40		
		For Medical/Oxygen Service Tubing, Add	19.84		
22 11 16 00-0414	LF	8" Diameter, Hard Drawn Type K Copper Tube/Pipe	550.36	26.31	
		For Up To 20, Add	66.65		
		For >200, Deduct	-46.44		
		For Work In Restricted Working Space, Add	25.78		
		For Medical/Oxygen Service Tubing, Add	37.15		
22 11 16 00-0415		Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0384)			
22 11 16 00-0416	LF	3/8" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	6.17	2.80	
		For Up To 20, Add	0.67		
		For >200, Deduct	-0.21		
		For Work In Restricted Working Space, Add	1.21		
22 11 16 00-0417	LF	1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	6.56	2.92	
		For Up To 20, Add	0.72		
		For >200, Deduct	-0.24		
		For Work In Restricted Working Space, Add	1.25		
22 11 16 00-0418	LF	3/4" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	8.31	3.10	
		For Up To 20, Add	0.93		
		For >200, Deduct	-0.39		
		For Work In Restricted Working Space, Add	1.33		
22 11 16 00-0419	LF	1" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	10.93	3.48	
		For Up To 20, Add	1.24		
		For >200, Deduct	-0.60		
		For Work In Restricted Working Space, Add	1.49		
22 11 16 00-0420	LF	1-1/4" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	16.33	5.18	
		For Up To 20, Add	1.85		
		For >200, Deduct	-0.87		
		For Work In Restricted Working Space, Add	2.29		
22 11 16 00-0421	LF	1-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	20.76	5.77	
		For Up To 20, Add	2.38		
		For >200, Deduct	-1.20		
		For Work In Restricted Working Space, Add	2.63		
22 11 16 00-0422	LF	2" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	29.75	7.11	
		For Up To 20, Add	3.45		
		For >200, Deduct	-1.89		
		For Work In Restricted Working Space, Add	3.26		

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0423	LF		2-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	53.80	8.37
			For Up To 20, Add	6.06	
			For >200, Deduct	-2.74	
			For Work In Restricted Working Space, Add	7.92	
22 11 16 00-0424	LF		3" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	66.09	9.86
			For Up To 20, Add	7.52	
			For >200, Deduct	-3.64	
			For Work In Restricted Working Space, Add	8.90	
22 11 16 00-0425	LF		4" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	102.84	11.14
			For Up To 20, Add	11.99	
			For >200, Deduct	-6.82	
			For Work In Restricted Working Space, Add	10.38	
22 11 16 00-0426	LF		5" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	172.40	12.79
			For Up To 20, Add	20.55	
			For >200, Deduct	-13.25	
			For Work In Restricted Working Space, Add	11.99	
22 11 16 00-0427	LF		6" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	238.83	19.82
			For Up To 20, Add	28.31	
			For >200, Deduct	-17.70	
			For Work In Restricted Working Space, Add	18.56	
22 11 16 00-0428	LF		8" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	403.39	22.03
			For Up To 20, Add	48.72	
			For >200, Deduct	-33.53	
			For Work In Restricted Working Space, Add	20.42	
22 11 16 00-0429 Soft Drawn Type L Copper Tube (22 11 16 00-0384)					
22 11 16 00-0430	LF		1/4" Diameter, Soft Drawn Type L Copper Tube.....	6.87	2.99
			For Up To 20, Add	0.75	
			For >200, Deduct	-0.24	
			For Work In Restricted Working Space, Add	1.34	
22 11 16 00-0431	LF		3/8" Diameter, Soft Drawn Type L Copper Tube.....	8.41	3.11
			For Up To 20, Add	0.93	
			For >200, Deduct	-0.37	
			For Work In Restricted Working Space, Add	1.40	
22 11 16 00-0432	LF		1/2" Diameter, Soft Drawn Type L Copper Tube.....	9.88	3.24
			For Up To 20, Add	1.11	
			For >200, Deduct	-0.50	
			For Work In Restricted Working Space, Add	1.46	
22 11 16 00-0433	LF		5/8" Diameter, Soft Drawn Type L Copper Tube.....	11.45	3.35
			For Up To 20, Add	1.31	
			For >200, Deduct	-0.64	
			For Work In Restricted Working Space, Add	1.50	
22 11 16 00-0434	LF		3/4" Diameter, Soft Drawn Type L Copper Tube.....	12.84	3.44
			For Up To 20, Add	1.48	
			For >200, Deduct	-0.77	
			For Work In Restricted Working Space, Add	1.55	
22 11 16 00-0435	LF		1" Diameter, Soft Drawn Type L Copper Tube.....	16.43	3.86
			For Up To 20, Add	1.91	
			For >200, Deduct	-1.06	
			For Work In Restricted Working Space, Add	1.74	
22 11 16 00-0436	LF		1-1/4" Diameter, Soft Drawn Type L Copper Tube.....	22.61	5.74
			For Up To 20, Add	2.61	
			For >200, Deduct	-1.40	
			For Work In Restricted Working Space, Add	2.58	
22 11 16 00-0437	LF		1-1/2" Diameter, Soft Drawn Type L Copper Tube.....	28.59	6.41
			For Up To 20, Add	3.33	
			For >200, Deduct	-1.90	
			For Work In Restricted Working Space, Add	2.88	
22 11 16 00-0438	LF		2" Diameter, Soft Drawn Type L Copper Tube.....	42.04	7.92
			For Up To 20, Add	4.96	
			For >200, Deduct	-3.02	
			For Work In Restricted Working Space, Add	3.56	
22 11 16 00-0439 Soft Drawn Type K Copper Tube (22 11 16 00-0384)					
22 11 16 00-0440	LF		1/4" Diameter, Soft Drawn Type K Copper Tube.....	7.12	2.99
			For Up To 20, Add	0.78	
			For >200, Deduct	-0.27	
			For Work In Restricted Working Space, Add	1.34	
22 11 16 00-0441	LF		3/8" Diameter, Soft Drawn Type K Copper Tube.....	9.19	3.11
			For Up To 20, Add	1.03	
			For >200, Deduct	-0.45	
			For Work In Restricted Working Space, Add	1.40	
22 11 16 00-0442	LF		1/2" Diameter, Soft Drawn Type K Copper Tube.....	10.52	3.24
			For Up To 20, Add	1.19	
			For >200, Deduct	-0.57	
			For Work In Restricted Working Space, Add	1.46	
22 11 16 00-0443	LF		5/8" Diameter, Soft Drawn Type K Copper Tube.....	11.76	3.35
			For Up To 20, Add	1.34	
			For >200, Deduct	-0.68	
			For Work In Restricted Working Space, Add	1.50	



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Water Distribution	22 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0444	LF	3/4" Diameter, Soft Drawn Type K Copper Tube	.....	15.64	3.44
		For Up To 20, Add	.....	1.83	
		For >200, Deduct	.....	-1.05	
		For Work In Restricted Working Space, Add	.....	1.55	
22 11 16 00-0445	LF	1" Diameter, Soft Drawn Type K Copper Tube	.....	19.70	3.86
		For Up To 20, Add	.....	2.32	
		For >200, Deduct	.....	-1.39	
		For Work In Restricted Working Space, Add	.....	1.74	
22 11 16 00-0446	LF	1-1/4" Diameter, Soft Drawn Type K Copper Tube	.....	25.00	5.74
		For Up To 20, Add	.....	2.91	
		For >200, Deduct	.....	-1.64	
		For Work In Restricted Working Space, Add	.....	2.58	
22 11 16 00-0447	LF	1-1/2" Diameter, Soft Drawn Type K Copper Tube	.....	32.39	6.41
		For Up To 20, Add	.....	3.81	
		For >200, Deduct	.....	-2.28	
		For Work In Restricted Working Space, Add	.....	2.88	
22 11 16 00-0448	LF	2" Diameter, Soft Drawn Type K Copper Tube	.....	47.27	7.92
		For Up To 20, Add	.....	5.61	
		For >200, Deduct	.....	-3.54	
		For Work In Restricted Working Space, Add	.....	3.56	
22 11 16 00-0449	LF	2-1/2" Diameter, Soft Drawn Type K Copper Tube	.....	67.33	9.49
		For Up To 20, Add	.....	8.06	
		For >200, Deduct	.....	-5.31	
		For Work In Restricted Working Space, Add	.....	4.27	
22 11 16 00-0450	LF	3" Diameter, Soft Drawn Type K Copper Tube	.....	90.68	11.20
		For Up To 20, Add	.....	10.92	
		For >200, Deduct	.....	-7.39	
		For Work In Restricted Working Space, Add	.....	5.04	
22 11 16 00-0451		Copper And Brass Fittings (22 11 16 00-0383)			
		Note: All fittings are based on 95/5 solder.			
22 11 16 00-0452		90 Degree Copper Elbows (22 11 16 00-0451)			
22 11 16 00-0453	EA	1/4" Diameter, 90 Degree Copper Elbow	.....	29.42	17.72
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	.....	-2.80	
		For Brazed Fittings Instead Of 95/5 Solder, Add	.....	3.98	
		For Street Fitting, Add	.....	1.14	
		For Work In Restricted Working Space, Add	.....	7.97	
		For Silver Solder Instead Of 95/5 Solder, Add	.....	4.13	
22 11 16 00-0454	EA	3/8" Diameter, 90 Degree Copper Elbow	.....	34.88	21.25
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	.....	-3.34	
		For Brazed Fittings Instead Of 95/5 Solder, Add	.....	4.78	
		For Street Fitting, Add	.....	1.21	
		For Work In Restricted Working Space, Add	.....	9.56	
		For Silver Solder Instead Of 95/5 Solder, Add	.....	4.93	
22 11 16 00-0455	EA	1/2" Diameter, 90 Degree Copper Elbow	.....	44.79	29.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	.....	-4.43	
		For Brazed Fittings Instead Of 95/5 Solder, Add	.....	6.57	
		For Street Fitting, Add	.....	0.39	
		For Work In Restricted Working Space, Add	.....	13.14	
		For Silver Solder Instead Of 95/5 Solder, Add	.....	6.62	
22 11 16 00-0456	EA	3/4" Diameter, 90 Degree Copper Elbow	.....	56.64	36.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	.....	-5.55	
		For Brazed Fittings Instead Of 95/5 Solder, Add	.....	8.17	
		For Street Fitting, Add	.....	0.88	
		For Work In Restricted Working Space, Add	.....	16.33	
		For Silver Solder Instead Of 95/5 Solder, Add	.....	8.28	
22 11 16 00-0457	EA	1" Diameter, 90 Degree Copper Elbow	.....	70.45	43.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	.....	-6.78	
		For Brazed Fittings Instead Of 95/5 Solder, Add	.....	9.76	
		For Street Fitting, Add	.....	2.16	
		For Work In Restricted Working Space, Add	.....	19.52	
		For Silver Solder Instead Of 95/5 Solder, Add	.....	10.03	
22 11 16 00-0458	EA	1-1/4" Diameter, 90 Degree Copper Elbow	.....	78.43	47.00
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	.....	-7.44	
		For Brazed Fittings Instead Of 95/5 Solder, Add	.....	10.56	
		For Street Fitting, Add	.....	3.22	
		For Work In Restricted Working Space, Add	.....	21.11	
		For Silver Solder Instead Of 95/5 Solder, Add	.....	10.96	
22 11 16 00-0459	EA	1-1/2" Diameter, 90 Degree Copper Elbow	.....	89.61	51.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	.....	-8.33	
		For Brazed Fittings Instead Of 95/5 Solder, Add	.....	11.55	
		For Street Fitting, Add	.....	5.04	
		For Work In Restricted Working Space, Add	.....	23.10	
		For Silver Solder Instead Of 95/5 Solder, Add	.....	12.18	
22 11 16 00-0460	EA	2" Diameter, 90 Degree Copper Elbow	.....	109.28	57.62
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	.....	-9.78	
		For Brazed Fittings Instead Of 95/5 Solder, Add	.....	12.95	
		For Street Fitting, Add	.....	9.19	
		For Work In Restricted Working Space, Add	.....	25.89	
		For Silver Solder Instead Of 95/5 Solder, Add	.....	14.09	
22 11 16 00-0461	EA	2-1/2" Diameter, 90 Degree Copper Elbow	.....	141.89	58.68
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	.....	-11.50	
		For Brazed Fittings Instead Of 95/5 Solder, Add	.....	13.20	
		For Work In Restricted Working Space, Add	.....	26.41	
		For Silver Solder Instead Of 95/5 Solder, Add	.....	15.90	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0462	EA	3" Diameter, 90 Degree Copper Elbow.....	181.10	70.17
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.31	
		For Brazed Fittings Instead Of 95/5 Solder, Add	15.77	
		For Work In Restricted Working Space, Add	31.54	
		For Silver Solder Instead Of 95/5 Solder, Add	19.57	
22 11 16 00-0463	EA	4" Diameter, 90 Degree Copper Elbow.....	333.46	99.51
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.13	
		For Brazed Fittings Instead Of 95/5 Solder, Add	22.37	
		For Work In Restricted Working Space, Add	44.74	
		For Silver Solder Instead Of 95/5 Solder, Add	31.59	
22 11 16 00-0464	EA	5" Diameter, 90 Degree Copper Elbow.....	976.35	136.18
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-59.03	
		For Brazed Fittings Instead Of 95/5 Solder, Add	30.62	
		For Work In Restricted Working Space, Add	61.25	
		For Silver Solder Instead Of 95/5 Solder, Add	69.23	
22 11 16 00-0465	EA	6" Diameter, 90 Degree Copper Elbow.....	1,326.45	198.17
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-81.18	
		For Brazed Fittings Instead Of 95/5 Solder, Add	44.56	
		For Work In Restricted Working Space, Add	89.12	
		For Silver Solder Instead Of 95/5 Solder, Add	96.03	
22 11 16 00-0466	EA	8" Diameter, 90 Degree Copper Elbow.....	4,204.31	264.18
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-230.02	
		For Brazed Fittings Instead Of 95/5 Solder, Add	59.41	
		For Work In Restricted Working Space, Add	118.82	
		For Silver Solder Instead Of 95/5 Solder, Add	249.82	
22 11 16 00-0467 90 Degree Brass Elbows (22 11 16 00-0451)				
22 11 16 00-0468	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow.....	49.96	29.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.69	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.57	
		For Work In Restricted Working Space, Add	13.14	
		For Silver Solder Instead Of 95/5 Solder, Add	6.88	
22 11 16 00-0469	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow.....	72.38	36.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.34	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.17	
		For Work In Restricted Working Space, Add	16.33	
		For Silver Solder Instead Of 95/5 Solder, Add	9.06	
22 11 16 00-0470	EA	1/2" Diameter, Flanged Sink 90 Degree Brass Elbow.....	55.03	29.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.94	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.57	
		For Work In Restricted Working Space, Add	13.14	
		For Silver Solder Instead Of 95/5 Solder, Add	7.13	
22 11 16 00-0471	EA	3/8" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	41.06	21.25
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.65	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
		For Work In Restricted Working Space, Add	9.56	
		For Silver Solder Instead Of 95/5 Solder, Add	5.24	
22 11 16 00-0472	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	50.40	29.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.71	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.57	
		For Work In Restricted Working Space, Add	13.14	
		For Silver Solder Instead Of 95/5 Solder, Add	6.90	
22 11 16 00-0473	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	66.04	36.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.02	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.17	
		For Work In Restricted Working Space, Add	16.33	
		For Silver Solder Instead Of 95/5 Solder, Add	8.75	
22 11 16 00-0474	EA	1" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	102.08	43.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.36	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.76	
		For Work In Restricted Working Space, Add	19.52	
		For Silver Solder Instead Of 95/5 Solder, Add	11.61	
22 11 16 00-0475 Reducing 90 Degree Copper Elbows (22 11 16 00-0451)				
22 11 16 00-0476	EA	1/2" Diameter, Reducing 90 Degree Copper Elbow.....	51.76	29.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.78	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.57	
		For Work In Restricted Working Space, Add	13.14	
		For Silver Solder Instead Of 95/5 Solder, Add	6.97	
22 11 16 00-0477	EA	3/4" Diameter, Reducing 90 Degree Copper Elbow.....	60.08	36.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.73	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.17	
		For Work In Restricted Working Space, Add	16.33	
		For Silver Solder Instead Of 95/5 Solder, Add	8.45	
22 11 16 00-0478	EA	1" Diameter, Reducing 90 Degree Copper Elbow.....	75.40	43.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.02	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.76	
		For Work In Restricted Working Space, Add	19.52	
		For Silver Solder Instead Of 95/5 Solder, Add	10.28	
22 11 16 00-0479	EA	1-1/4" Diameter, Reducing 90 Degree Copper Elbow.....	96.72	47.00
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.35	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.56	
		For Work In Restricted Working Space, Add	21.11	
		For Silver Solder Instead Of 95/5 Solder, Add	11.87	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0480	EA	1-1/2" Diameter, Reducing 90 Degree Copper Elbow.....	111.64	51.38	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.43		
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.55		
		For Work In Restricted Working Space, Add	23.10		
		For Silver Solder Instead Of 95/5 Solder, Add	13.28		
22 11 16 00-0481	EA	2" Diameter, Reducing 90 Degree Copper Elbow.....	132.90	57.62	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.96		
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.95		
		For Work In Restricted Working Space, Add	25.89		
		For Silver Solder Instead Of 95/5 Solder, Add	15.28		
22 11 16 00-0482 45 Degree Copper Elbows (22 11 16 00-0451)					
22 11 16 00-0483	EA	1/4" Diameter, 45 Degree Copper Elbow.....	31.90	17.72	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.92		
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.98		
		For Street Fitting, Add	2.14		
		For Work In Restricted Working Space, Add	7.97		
		For Silver Solder Instead Of 95/5 Solder, Add	4.25		
22 11 16 00-0484	EA	3/8" Diameter, 45 Degree Copper Elbow.....	36.43	21.25	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.41		
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.78		
		For Street Fitting, Add	1.83		
		For Work In Restricted Working Space, Add	9.56		
		For Silver Solder Instead Of 95/5 Solder, Add	5.01		
22 11 16 00-0485	EA	1/2" Diameter, 45 Degree Copper Elbow.....	45.61	29.20	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.47		
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.57		
		For Street Fitting, Add	0.72		
		For Work In Restricted Working Space, Add	13.14		
		For Silver Solder Instead Of 95/5 Solder, Add	6.66		
22 11 16 00-0486	EA	3/4" Diameter, 45 Degree Copper Elbow.....	57.52	36.38	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.60		
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.17		
		For Street Fitting, Add	1.23		
		For Work In Restricted Working Space, Add	16.33		
		For Silver Solder Instead Of 95/5 Solder, Add	8.32		
22 11 16 00-0487	EA	1" Diameter, 45 Degree Copper Elbow.....	72.74	43.42	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.89		
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.76		
		For Street Fitting, Add	3.07		
		For Work In Restricted Working Space, Add	19.52		
		For Silver Solder Instead Of 95/5 Solder, Add	10.14		
22 11 16 00-0488	EA	1-1/4" Diameter, 45 Degree Copper Elbow.....	80.77	47.00	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.56		
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.56		
		For Street Fitting, Add	4.16		
		For Work In Restricted Working Space, Add	21.11		
		For Silver Solder Instead Of 95/5 Solder, Add	11.08		
22 11 16 00-0489	EA	1-1/2" Diameter, 45 Degree Copper Elbow.....	89.78	51.38	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.34		
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.55		
		For Street Fitting, Add	5.11		
		For Work In Restricted Working Space, Add	23.10		
		For Silver Solder Instead Of 95/5 Solder, Add	12.19		
22 11 16 00-0490	EA	2" Diameter, 45 Degree Copper Elbow.....	107.59	57.62	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.69		
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.95		
		For Work In Restricted Working Space, Add	25.89		
		For Silver Solder Instead Of 95/5 Solder, Add	14.01		
22 11 16 00-0491	EA	2-1/2" Diameter, 45 Degree Copper Elbow.....	141.24	58.68	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.46		
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.20		
		For Work In Restricted Working Space, Add	26.41		
		For Silver Solder Instead Of 95/5 Solder, Add	15.86		
22 11 16 00-0492	EA	3" Diameter, 45 Degree Copper Elbow.....	184.09	70.17	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.46		
		For Brazed Fittings Instead Of 95/5 Solder, Add	15.77		
		For Work In Restricted Working Space, Add	31.54		
		For Silver Solder Instead Of 95/5 Solder, Add	19.72		
22 11 16 00-0493	EA	4" Diameter, 45 Degree Copper Elbow.....	317.52	99.51	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.33		
		For Brazed Fittings Instead Of 95/5 Solder, Add	22.37		
		For Work In Restricted Working Space, Add	44.74		
		For Silver Solder Instead Of 95/5 Solder, Add	30.79		
22 11 16 00-0494	EA	5" Diameter, 45 Degree Copper Elbow.....	856.25	136.18	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-53.02		
		For Brazed Fittings Instead Of 95/5 Solder, Add	30.62		
		For Work In Restricted Working Space, Add	61.25		
		For Silver Solder Instead Of 95/5 Solder, Add	63.23		
22 11 16 00-0495	EA	6" Diameter, 45 Degree Copper Elbow.....	1,324.70	198.17	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-81.09		
		For Brazed Fittings Instead Of 95/5 Solder, Add	44.56		
		For Work In Restricted Working Space, Add	89.12		
		For Silver Solder Instead Of 95/5 Solder, Add	95.94		

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0496	EA	8" Diameter, 45 Degree Copper Elbow..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3,887.94 -214.20 59.41 118.82 234.01	264.18
22 11 16 00-0497 Straight Copper And Brass Tees (22 11 16 00-0451)				
22 11 16 00-0498	EA	1/4" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	45.82 -4.28 5.97 11.95 6.27	26.56
22 11 16 00-0499	EA	3/8" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	52.62 -5.02 7.17 14.34 7.41	31.86
22 11 16 00-0500	EA	1/2" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	68.08 -6.72 9.96 19.92 10.04	44.34
22 11 16 00-0501	EA	3/4" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	86.35 -8.43 12.35 24.70 12.55	54.97
22 11 16 00-0502	EA	1" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	110.36 -10.43 14.74 29.48 15.34	65.59
22 11 16 00-0503	EA	1-1/4" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	123.09 -11.47 15.93 31.86 16.78	70.90
22 11 16 00-0504	EA	1-1/2" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	141.04 -12.83 17.33 34.65 18.60	77.01
22 11 16 00-0505	EA	2" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	170.71 -15.04 19.52 39.04 21.55	86.83
22 11 16 00-0506	EA	2-1/2" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	228.04 -18.00 19.80 39.61 24.60	88.02
22 11 16 00-0507	EA	3" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	305.63 -23.23 23.84 47.68 31.17	105.99
22 11 16 00-0508	EA	4" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	577.53 -40.00 33.37 66.75 51.13	148.41
22 11 16 00-0509	EA	5" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1,465.03 -88.47 45.66 91.32 103.69	203.06
22 11 16 00-0510	EA	6" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2,032.77 -123.95 66.93 133.86 146.26	297.67
22 11 16 00-0511	EA	8" Diameter, Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6,714.25 -365.42 89.12 178.24 395.13	396.32
22 11 16 00-0512	EA	1/2" Diameter, Cast Bronze Drop Ear Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	76.76 -7.16 9.96 19.92 10.48	44.34
22 11 16 00-0513 Reducing Copper Tees (22 11 16 00-0451)				



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0514	EA		3/8" Diameter, Reducing Copper Tee.....	52.01	28.28
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.72	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.37	
			For Work In Restricted Working Space, Add	12.74	
			For Silver Solder Instead Of 95/5 Solder, Add	6.85	
22 11 16 00-0515	EA		1/2" Diameter, Reducing Copper Tee.....	68.13	39.83
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.96	
			For Work In Restricted Working Space, Add	17.93	
			For Silver Solder Instead Of 95/5 Solder, Add	9.38	
22 11 16 00-0516	EA		3/4" Diameter, Reducing Copper Tee.....	81.28	51.38
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.91	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.55	
			For Work In Restricted Working Space, Add	23.10	
			For Silver Solder Instead Of 95/5 Solder, Add	11.77	
22 11 16 00-0517	EA		1" Diameter, Reducing Copper Tee.....	106.52	62.00
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.97	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.94	
			For Work In Restricted Working Space, Add	27.88	
			For Silver Solder Instead Of 95/5 Solder, Add	14.62	
22 11 16 00-0518	EA		1-1/4" Diameter, Reducing Copper Tee.....	121.51	67.31
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.12	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.14	
			For Work In Restricted Working Space, Add	30.27	
			For Silver Solder Instead Of 95/5 Solder, Add	16.17	
22 11 16 00-0519	EA		1-1/2" Diameter, Reducing Copper Tee.....	139.33	73.55
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.53	
			For Work In Restricted Working Space, Add	33.06	
			For Silver Solder Instead Of 95/5 Solder, Add	17.99	
22 11 16 00-0520	EA		2" Diameter, Reducing Copper Tee.....	165.59	82.32
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.45	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.52	
			For Work In Restricted Working Space, Add	37.04	
			For Silver Solder Instead Of 95/5 Solder, Add	20.63	
22 11 16 00-0521	EA		2-1/2" Diameter, Reducing Copper Tee.....	232.32	84.84
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.97	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.07	
			For Work In Restricted Working Space, Add	38.14	
			For Silver Solder Instead Of 95/5 Solder, Add	24.33	
22 11 16 00-0522	EA		3" Diameter, Reducing Copper Tee.....	319.44	97.80
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.31	
			For Brazed Fittings Instead Of 95/5 Solder, Add	22.01	
			For Work In Restricted Working Space, Add	44.01	
			For Silver Solder Instead Of 95/5 Solder, Add	30.64	
22 11 16 00-0523	EA		4" Diameter, Reducing Copper Tee.....	544.57	120.66
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.28	
			For Brazed Fittings Instead Of 95/5 Solder, Add	27.14	
			For Work In Restricted Working Space, Add	54.28	
			For Silver Solder Instead Of 95/5 Solder, Add	45.32	
22 11 16 00-0524	Copper Couplings (22 11 16 00-0451)				
22 11 16 00-0525	EA		1/4" Diameter, Copper Coupling.....	22.61	14.74
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.23	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.31	
			For Work In Restricted Working Space, Add	6.61	
			For Silver Solder Instead Of 95/5 Solder, Add	3.33	
22 11 16 00-0526	EA		3/8" Diameter, Copper Coupling.....	27.21	17.66
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.68	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.97	
			For Work In Restricted Working Space, Add	7.94	
			For Silver Solder Instead Of 95/5 Solder, Add	4.01	
22 11 16 00-0527	EA		1/2" Diameter, Copper Coupling.....	37.00	24.16
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.67	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.46	
			For Work In Restricted Working Space, Add	10.91	
			For Silver Solder Instead Of 95/5 Solder, Add	5.49	
22 11 16 00-0528	EA		3/4" Diameter, Copper Coupling.....	46.46	30.14
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.58	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.78	
			For Work In Restricted Working Space, Add	13.55	
			For Silver Solder Instead Of 95/5 Solder, Add	6.84	
22 11 16 00-0529	EA		1" Diameter, Copper Coupling.....	56.52	35.99
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.53	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.10	
			For Work In Restricted Working Space, Add	16.20	
			For Silver Solder Instead Of 95/5 Solder, Add	8.23	
22 11 16 00-0530	EA		1-1/4" Diameter, Copper Coupling.....	62.87	38.90
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.76	
			For Work In Restricted Working Space, Add	17.52	
			For Silver Solder Instead Of 95/5 Solder, Add	8.98	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0531 EA 1-1/2" Diameter, Copper Coupling.....	69.82	42.61
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.59	
For Work In Restricted Working Space, Add	19.17	
For Silver Solder Instead Of 95/5 Solder, Add	9.88	
22 11 16 00-0532 EA 2" Diameter, Copper Coupling.....	81.46	47.66
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.74	
For Work In Restricted Working Space, Add	21.49	
For Silver Solder Instead Of 95/5 Solder, Add	11.24	
22 11 16 00-0533 EA 2-1/2" Diameter, Copper Coupling.....	96.52	48.17
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.44	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.86	
For Work In Restricted Working Space, Add	21.71	
For Silver Solder Instead Of 95/5 Solder, Add	12.06	
22 11 16 00-0534 EA 3" Diameter, Copper Coupling.....	122.41	59.66
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.43	
For Work In Restricted Working Space, Add	26.86	
For Silver Solder Instead Of 95/5 Solder, Add	15.07	
22 11 16 00-0535 EA 4" Diameter, Copper Coupling.....	199.31	84.47
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.31	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.03	
For Work In Restricted Working Space, Add	38.07	
For Silver Solder Instead Of 95/5 Solder, Add	22.65	
22 11 16 00-0536 EA 5" Diameter, Copper Coupling.....	334.66	122.37
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.92	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.56	
For Work In Restricted Working Space, Add	55.12	
For Silver Solder Instead Of 95/5 Solder, Add	35.11	
22 11 16 00-0537 EA 6" Diameter, Copper Coupling.....	516.78	178.12
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-39.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	40.10	
For Work In Restricted Working Space, Add	80.21	
For Silver Solder Instead Of 95/5 Solder, Add	52.58	
22 11 16 00-0538 EA 8" Diameter, Copper Coupling.....	1,165.00	237.41
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-76.07	
For Brazed Fittings Instead Of 95/5 Solder, Add	53.47	
For Work In Restricted Working Space, Add	106.94	
For Silver Solder Instead Of 95/5 Solder, Add	93.90	
22 11 16 00-0539 Reducing Copper Couplings (22 11 16 00-0451)		
22 11 16 00-0540 EA 3/8" Diameter, Reducing Copper Coupling.....	25.49	16.20
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.49	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.64	
For Work In Restricted Working Space, Add	7.27	
For Silver Solder Instead Of 95/5 Solder, Add	3.70	
22 11 16 00-0541 EA 1/2" Diameter, Reducing Copper Coupling.....	32.73	20.98
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.71	
For Work In Restricted Working Space, Add	9.43	
For Silver Solder Instead Of 95/5 Solder, Add	4.78	
22 11 16 00-0542 EA 3/4" Diameter, Reducing Copper Coupling.....	43.03	27.22
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.12	
For Work In Restricted Working Space, Add	12.23	
For Silver Solder Instead Of 95/5 Solder, Add	6.23	
22 11 16 00-0543 EA 1" Diameter, Reducing Copper Coupling.....	53.67	33.06
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.16	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.44	
For Work In Restricted Working Space, Add	14.88	
For Silver Solder Instead Of 95/5 Solder, Add	7.64	
22 11 16 00-0544 EA 1-1/4" Diameter, Reducing Copper Coupling.....	61.90	37.44
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.43	
For Work In Restricted Working Space, Add	16.86	
For Silver Solder Instead Of 95/5 Solder, Add	8.72	
22 11 16 00-0545 EA 1-1/2" Diameter, Reducing Copper Coupling.....	70.59	40.76
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.59	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.18	
For Work In Restricted Working Space, Add	18.35	
For Silver Solder Instead Of 95/5 Solder, Add	9.65	
22 11 16 00-0546 EA 2" Diameter, Reducing Copper Coupling.....	82.33	45.14
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.17	
For Work In Restricted Working Space, Add	20.33	
For Silver Solder Instead Of 95/5 Solder, Add	10.89	
22 11 16 00-0547 EA 2-1/2" Diameter, Reducing Copper Coupling.....	105.01	46.08
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.38	
For Work In Restricted Working Space, Add	20.75	
For Silver Solder Instead Of 95/5 Solder, Add	12.17	



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Water Distribution	22 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0548	EA		3" Diameter, Reducing Copper Coupling..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	125.27 -10.31 12.15 24.29 14.36	53.91
22 11 16 00-0549	EA		4" Diameter, Reducing Copper Coupling..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	196.17 -15.22 16.23 32.47 20.63	72.12
22 11 16 00-0550	EA		5" Diameter, Reducing Copper Coupling..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	495.44 -32.35 22.73 45.46 39.93	100.98
22 11 16 00-0551	EA		6" Diameter, Reducing Copper Coupling..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	725.91 -45.96 29.00 58.00 55.63	128.72
22 11 16 00-0552	EA		8" Diameter, Reducing Copper Coupling..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	1,440.72 -87.62 46.76 93.52 103.21	207.58
22 11 16 00-0553			Male Copper Adapters (22 11 16 00-0451)		
22 11 16 00-0554	EA		1/4" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	36.66 -3.16 3.98 7.97 4.49	17.26
22 11 16 00-0555	EA		3/8" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	36.90 -3.44 4.78 9.56 5.03	21.25
22 11 16 00-0556	EA		1/2" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	41.87 -4.09 5.97 11.95 6.08	26.56
22 11 16 00-0557	EA		3/4" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	52.58 -5.09 7.37 14.74 7.54	33.19
22 11 16 00-0558	EA		1" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	65.88 -6.15 8.56 17.13 9.00	38.50
22 11 16 00-0559	EA		1-1/4" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	79.18 -7.28 9.96 19.92 10.60	43.81
22 11 16 00-0560	EA		1-1/2" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	90.65 -8.32 11.35 22.70 12.10	50.45
22 11 16 00-0561	EA		2" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	122.26 -10.96 14.54 29.08 15.81	64.39
22 11 16 00-0562	EA		2-1/2" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	221.19 -17.30 18.72 37.44 23.54	83.65
22 11 16 00-0563	EA		3" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	293.84 -23.00 24.94 49.68 31.32	111.55
22 11 16 00-0564	EA		4" Diameter, Male Copper Adapter..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	438.77 -33.67 35.21 70.42 45.41	156.48
22 11 16 00-0565			Female Copper Adapters (22 11 16 00-0451)		

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0566	EA	1/4" Diameter, Female Copper Adapter.....	33.01	17.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.98	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.98	
		For Work In Restricted Working Space, Add	7.97	
		For Silver Solder Instead Of 95/5 Solder, Add	4.31	
22 11 16 00-0567	EA	3/8" Diameter, Female Copper Adapter.....	38.61	21.25
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.52	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
		For Work In Restricted Working Space, Add	9.56	
		For Silver Solder Instead Of 95/5 Solder, Add	5.12	
22 11 16 00-0568	EA	1/2" Diameter, Female Copper Adapter.....	43.10	26.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.15	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.97	
		For Work In Restricted Working Space, Add	11.95	
		For Silver Solder Instead Of 95/5 Solder, Add	6.14	
22 11 16 00-0569	EA	3/4" Diameter, Female Copper Adapter.....	53.58	33.19
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.14	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.37	
		For Work In Restricted Working Space, Add	14.74	
		For Silver Solder Instead Of 95/5 Solder, Add	7.59	
22 11 16 00-0570	EA	1" Diameter, Female Copper Adapter.....	67.30	38.50
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.22	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.56	
		For Work In Restricted Working Space, Add	17.13	
		For Silver Solder Instead Of 95/5 Solder, Add	9.07	
22 11 16 00-0571	EA	1-1/4" Diameter, Female Copper Adapter.....	81.36	43.81
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.39	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.96	
		For Work In Restricted Working Space, Add	19.92	
		For Silver Solder Instead Of 95/5 Solder, Add	10.71	
22 11 16 00-0572	EA	1-1/2" Diameter, Female Copper Adapter.....	99.12	50.45
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.74	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.35	
		For Work In Restricted Working Space, Add	22.70	
		For Silver Solder Instead Of 95/5 Solder, Add	12.52	
22 11 16 00-0573	EA	2" Diameter, Female Copper Adapter.....	128.72	64.39
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.28	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.54	
		For Work In Restricted Working Space, Add	29.08	
		For Silver Solder Instead Of 95/5 Solder, Add	16.13	
22 11 16 00-0574	EA	2-1/2" Diameter, Female Copper Adapter.....	250.90	77.01
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.29	
		For Brazed Fittings Instead Of 95/5 Solder, Add	17.24	
		For Work In Restricted Working Space, Add	34.47	
		For Silver Solder Instead Of 95/5 Solder, Add	24.04	
22 11 16 00-0575	EA	3" Diameter, Female Copper Adapter.....	395.33	111.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-28.08	
		For Brazed Fittings Instead Of 95/5 Solder, Add	24.94	
		For Work In Restricted Working Space, Add	49.88	
		For Silver Solder Instead Of 95/5 Solder, Add	36.39	
22 11 16 00-0576		Wrot Copper, Solder Union (22 11 16 00-0451)		
22 11 16 00-0577	EA	1/4" Diameter, Wrot Copper, Solder Union.....	48.91	21.25
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.04	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
		For Work In Restricted Working Space, Add	9.56	
		For Silver Solder Instead Of 95/5 Solder, Add	5.63	
22 11 16 00-0578	EA	3/8" Diameter, Wrot Copper, Solder Union.....	56.07	25.62
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.73	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.78	
		For Work In Restricted Working Space, Add	11.55	
		For Silver Solder Instead Of 95/5 Solder, Add	6.65	
22 11 16 00-0579	EA	1/2" Diameter, Wrot Copper, Solder Union.....	58.66	31.86
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.32	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.17	
		For Work In Restricted Working Space, Add	14.34	
		For Silver Solder Instead Of 95/5 Solder, Add	7.71	
22 11 16 00-0580	EA	3/4" Diameter, Wrot Copper, Solder Union.....	67.79	36.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.11	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.17	
		For Work In Restricted Working Space, Add	16.33	
		For Silver Solder Instead Of 95/5 Solder, Add	8.83	
22 11 16 00-0581	EA	1" Diameter, Wrot Copper, Solder Union.....	88.01	43.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.65	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.76	
		For Work In Restricted Working Space, Add	19.52	
		For Silver Solder Instead Of 95/5 Solder, Add	10.91	
22 11 16 00-0582	EA	1-1/4" Diameter, Wrot Copper, Solder Union.....	104.93	47.80
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.83	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.76	
		For Work In Restricted Working Space, Add	21.51	
		For Silver Solder Instead Of 95/5 Solder, Add	12.42	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
22 11 16 00-0583	EA	1-1/2" Diameter, Wrot Copper, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	126.51 -10.31 11.95 23.90 14.29	53.11
22 11 16 00-0584	EA	2" Diameter, Wrot Copper, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	175.45 -13.55 14.34 28.68 18.33	63.73
22 11 16 00-0585	EA	2-1/2" Diameter, Wrot Copper, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	322.90 -21.40 15.77 31.54 26.66	70.17
22 11 16 00-0586	EA	3" Diameter, Wrot Copper, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	712.67 -43.09 22.37 44.74 50.55	99.51
22 11 16 00-0587 Cast Bronze, Solder Union (22 11 16 00-0451)				
22 11 16 00-0588	EA	1/4" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	55.19 -4.35 4.78 9.56 5.95	21.25
22 11 16 00-0589	EA	3/8" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	62.00 -5.03 5.78 11.55 6.95	25.62
22 11 16 00-0590	EA	1/2" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	60.31 -5.41 7.17 14.34 7.80	31.86
22 11 16 00-0591	EA	3/4" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	70.13 -6.23 8.17 16.33 8.95	36.38
22 11 16 00-0592	EA	1" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	92.06 -7.86 9.76 19.52 11.11	43.42
22 11 16 00-0593	EA	1-1/4" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	116.00 -9.39 10.76 21.51 12.97	47.80
22 11 16 00-0594	EA	1-1/2" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	138.07 -10.89 11.95 23.90 14.87	53.11
22 11 16 00-0595	EA	2" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	195.12 -14.54 14.34 28.68 19.32	63.73
22 11 16 00-0596	EA	2-1/2" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	322.89 -21.40 15.77 31.54 26.66	70.17
22 11 16 00-0597	EA	3" Diameter, Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	712.67 -43.09 22.37 44.74 50.55	99.51
22 11 16 00-0598 Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0451)				
22 11 16 00-0599	EA	1/4" Diameter, Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	63.69 -4.78 4.78 9.56 6.37	21.25
22 11 16 00-0600	EA	3/8" Diameter, Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	71.43 -5.50 5.78 11.55 7.42	25.62

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0601	EA	1/2" Diameter, Cast Bronze, Solder X Female Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	73.95 -6.09 7.17 14.34 8.48	31.86
22 11 16 00-0602	EA	3/4" Diameter, Cast Bronze, Solder X Female Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	90.09 -7.23 8.17 16.33 9.95	36.38
22 11 16 00-0603	EA	1" Diameter, Cast Bronze, Solder X Female Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	139.21 -10.21 9.76 19.52 13.47	43.42
22 11 16 00-0604	EA	1-1/4" Diameter, Cast Bronze, Solder X Female Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	209.89 -14.08 10.76 21.51 17.66	47.80
22 11 16 00-0605	EA	1-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	254.74 -16.72 11.95 23.90 20.70	53.11
22 11 16 00-0606	EA	2" Diameter, Cast Bronze, Solder X Female Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	391.94 -24.38 14.34 28.68 29.16	63.73
22 11 16 00-0607	EA	2-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	666.91 -38.60 15.77 31.54 43.86	70.17
22 11 16 00-0608 Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0451)				
22 11 16 00-0609	EA	1/4" Diameter, Cast Bronze, Solder X Male Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	56.10 -4.40 4.78 9.56 5.99	21.25
22 11 16 00-0610	EA	3/8" Diameter, Cast Bronze, Solder X Male Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	66.79 -5.26 5.78 11.55 7.19	25.62
22 11 16 00-0611	EA	1/2" Diameter, Cast Bronze, Solder X Male Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	68.44 -5.81 7.17 14.34 8.20	31.86
22 11 16 00-0612	EA	3/4" Diameter, Cast Bronze, Solder X Male Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	85.42 -6.99 8.17 16.33 9.72	36.38
22 11 16 00-0613	EA	1" Diameter, Cast Bronze, Solder X Male Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	141.35 -10.32 9.76 19.52 13.57	43.42
22 11 16 00-0614	EA	1-1/4" Diameter, Cast Bronze, Solder X Male Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	166.33 -11.90 10.76 21.51 15.49	47.80
22 11 16 00-0615	EA	1-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	179.07 -12.94 11.95 23.90 16.92	53.11
22 11 16 00-0616	EA	2" Diameter, Cast Bronze, Solder X Male Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	248.27 -17.19 14.34 28.68 21.97	63.73
22 11 16 00-0617	EA	2-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	552.57 -32.89 15.77 31.54 38.14	70.17
22 11 16 00-0618 Copper Caps (22 11 16 00-0451)				



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0619	EA	1/4" Diameter, Copper Cap.....		9.63	5.84
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-0.92	
		For Brazed Fittings Instead Of 95/5 Solder, Add		1.31	
		For Work In Restricted Working Space, Add		2.63	
		For Silver Solder Instead Of 95/5 Solder, Add		1.36	
22 11 16 00-0620	EA	3/8" Diameter, Copper Cap.....		11.90	6.90
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-1.12	
		For Brazed Fittings Instead Of 95/5 Solder, Add		1.58	
		For Work In Restricted Working Space, Add		3.15	
		For Silver Solder Instead Of 95/5 Solder, Add		1.65	
22 11 16 00-0621	EA	1/2" Diameter, Copper Cap.....		15.17	9.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-1.48	
		For Brazed Fittings Instead Of 95/5 Solder, Add		2.17	
		For Work In Restricted Working Space, Add		4.34	
		For Silver Solder Instead Of 95/5 Solder, Add		2.20	
22 11 16 00-0622	EA	3/4" Diameter, Copper Cap.....		19.30	11.82
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-1.86	
		For Brazed Fittings Instead Of 95/5 Solder, Add		2.70	
		For Work In Restricted Working Space, Add		5.39	
		For Silver Solder Instead Of 95/5 Solder, Add		2.76	
22 11 16 00-0623	EA	1" Diameter, Copper Cap.....		24.60	14.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-2.30	
		For Brazed Fittings Instead Of 95/5 Solder, Add		3.22	
		For Work In Restricted Working Space, Add		6.44	
		For Silver Solder Instead Of 95/5 Solder, Add		3.38	
22 11 16 00-0624	EA	1-1/4" Diameter, Copper Cap.....		27.41	15.27
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-2.53	
		For Brazed Fittings Instead Of 95/5 Solder, Add		3.48	
		For Work In Restricted Working Space, Add		6.97	
		For Silver Solder Instead Of 95/5 Solder, Add		3.69	
22 11 16 00-0625	EA	1-1/2" Diameter, Copper Cap.....		31.51	16.73
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-2.85	
		For Brazed Fittings Instead Of 95/5 Solder, Add		3.81	
		For Work In Restricted Working Space, Add		7.62	
		For Silver Solder Instead Of 95/5 Solder, Add		4.12	
22 11 16 00-0626	EA	2" Diameter, Copper Cap.....		37.49	17.36
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-3.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add		3.93	
		For Work In Restricted Working Space, Add		7.87	
		For Silver Solder Instead Of 95/5 Solder, Add		4.50	
22 11 16 00-0627	EA	2-1/2" Diameter, Copper Cap.....		71.17	20.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-5.10	
		For Brazed Fittings Instead Of 95/5 Solder, Add		4.62	
		For Work In Restricted Working Space, Add		9.24	
		For Silver Solder Instead Of 95/5 Solder, Add		6.64	
22 11 16 00-0628	EA	3" Diameter, Copper Cap.....		97.23	26.04
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-6.83	
		For Brazed Fittings Instead Of 95/5 Solder, Add		5.91	
		For Work In Restricted Working Space, Add		11.83	
		For Silver Solder Instead Of 95/5 Solder, Add		8.80	
22 11 16 00-0629	EA	4" Diameter, Copper Cap.....		168.76	39.36
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-11.42	
		For Brazed Fittings Instead Of 95/5 Solder, Add		8.95	
		For Work In Restricted Working Space, Add		17.90	
		For Silver Solder Instead Of 95/5 Solder, Add		14.40	
22 11 16 00-0630	EA	5" Diameter, Cast Bronze Cap.....		858.79	60.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-47.53	
		For Brazed Fittings Instead Of 95/5 Solder, Add		13.78	
		For Work In Restricted Working Space, Add		27.56	
		For Silver Solder Instead Of 95/5 Solder, Add		52.13	
22 11 16 00-0631	EA	6" Diameter, Cast Bronze Cap.....		1,661.65	88.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-89.77	
		For Brazed Fittings Instead Of 95/5 Solder, Add		20.05	
		For Work In Restricted Working Space, Add		40.10	
		For Silver Solder Instead Of 95/5 Solder, Add		96.45	
22 11 16 00-0632	EA	8" Diameter, Cast Bronze Cap.....		2,117.48	117.60
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-114.79	
		For Brazed Fittings Instead Of 95/5 Solder, Add		26.74	
		For Work In Restricted Working Space, Add		53.47	
		For Silver Solder Instead Of 95/5 Solder, Add		123.70	
22 11 16 00-0633	Copper Crosses (22 11 16 00-0451)				
22 11 16 00-0634	EA	1/2" Diameter, Copper Cross.....		91.92	53.79
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-8.63	
		For Brazed Fittings Instead Of 95/5 Solder, Add		12.10	
		For Work In Restricted Working Space, Add		24.21	
		For Silver Solder Instead Of 95/5 Solder, Add		12.67	
22 11 16 00-0635	EA	3/4" Diameter, Copper Cross.....		122.07	66.87
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct		-11.12	
		For Brazed Fittings Instead Of 95/5 Solder, Add		15.04	
		For Work In Restricted Working Space, Add		30.07	
		For Silver Solder Instead Of 95/5 Solder, Add		16.13	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0636 EA 1" Diameter, Copper Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	156.89 -13.84 17.97 35.94 19.83	79.83
22 11 16 00-0637 EA 1-1/4" Diameter, Copper Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	182.87 -15.62 19.44 38.87 22.10	86.43
22 11 16 00-0638 EA 1-1/2" Diameter, Copper Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	217.76 -17.98 21.27 42.54 25.07	94.49
22 11 16 00-0639 EA 2" Diameter, Copper Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	302.42 -23.07 23.84 47.68 31.01	105.99
22 11 16 00-0640 EA 2-1/2" Diameter, Copper Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	506.79 -34.14 26.41 52.81 42.94	117.36
22 11 16 00-0641 Cast Bronze Crosses (22 11 16 00-0451)		
22 11 16 00-0642 EA 3/8" Diameter, Cast Bronze Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	73.65 -6.62 8.80 17.60 9.55	39.12
22 11 16 00-0643 EA 1/2" Diameter, Cast Bronze Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	94.16 -8.74 12.10 24.21 12.78	53.79
22 11 16 00-0644 EA 3/4" Diameter, Cast Bronze Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	126.43 -11.33 15.04 30.07 16.35	66.87
22 11 16 00-0645 EA 1" Diameter, Cast Bronze Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	164.29 -14.21 17.97 35.94 20.20	79.83
22 11 16 00-0646 EA 1-1/4" Diameter, Cast Bronze Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	193.52 -16.16 19.44 38.87 22.63	86.43
22 11 16 00-0647 EA 1-1/2" Diameter, Cast Bronze Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	232.95 -18.74 21.27 42.54 25.83	94.49
22 11 16 00-0648 EA 2" Diameter, Cast Bronze Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	364.80 -26.19 23.84 47.68 34.13	105.99
22 11 16 00-0649 EA 2-1/2" Diameter, Cast Bronze Cross..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	572.94 -37.45 26.41 52.81 46.25	117.36
22 11 16 00-0650 Flexible Corrugated Copper Supply Line (22 11 16 00-0451)		
22 11 16 00-0651 EA 3/4" Diameter Threaded x 3/4" Diameter Solder x 18" Long, Flexible Corrugated Copper Supply Line	94.85	36.38
22 11 16 00-0652 EA 3/4" Diameter Threaded x 3/4" Diameter Solder x 24" Long, Flexible Corrugated Copper Supply Line	99.72	36.38
22 11 16 00-0653 EA 3/4" Diameter Threaded x 3/4" Diameter Threaded x 12" Long, Flexible Corrugated Copper Supply Line	86.10	36.38
22 11 16 00-0654 EA 3/4" Diameter Threaded x 3/4" Diameter Threaded x 15" Long, Flexible Corrugated Copper Supply Line	91.61	36.38
22 11 16 00-0655 EA 3/4" Diameter Threaded x 3/4" Diameter Threaded x 18" Long, Flexible Corrugated Copper Supply Line	96.47	36.38
22 11 16 00-0656 EA 3/4" Diameter Threaded x 3/4" Diameter Threaded x 24" Long, Flexible Corrugated Copper Supply Line	99.72	36.38
22 11 16 00-0657 Crimped Copper Fittings (22 11 16 00-0383) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0658 Crimped Copper 90 Degree Elbows (22 11 16 00-0657)		



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0659 EA 1/2" Diameter, Crimped Copper 90 Degree Elbow For Work In Restricted Working Space, Add	26.91 7.17	15.94
22 11 16 00-0660 EA 3/4" Diameter, Crimped Copper 90 Degree Elbow For Work In Restricted Working Space, Add	32.33 8.17	18.19
22 11 16 00-0661 EA 1" Diameter, Crimped Copper 90 Degree Elbow For Work In Restricted Working Space, Add	42.76 9.76	21.64
22 11 16 00-0662 EA 1-1/4" Diameter, Crimped Copper 90 Degree Elbow For Work In Restricted Working Space, Add	56.51 10.75	23.90
22 11 16 00-0663 EA 1-1/2" Diameter, Crimped Copper 90 Degree Elbow For Work In Restricted Working Space, Add	78.96 11.95	26.56
22 11 16 00-0664 EA 2" Diameter, Crimped Copper 90 Degree Elbow For Work In Restricted Working Space, Add	102.19 14.34	31.86
22 11 16 00-0665 EA 2-1/2" Diameter, Crimped Copper 90 Degree Elbow For Work In Restricted Working Space, Add	213.74 16.73	37.17
22 11 16 00-0666 EA 3" Diameter, Crimped Copper 90 Degree Elbow For Work In Restricted Working Space, Add	265.14 19.92	44.21
22 11 16 00-0667 EA 4" Diameter, Crimped Copper 90 Degree Elbow For Work In Restricted Working Space, Add	333.52 26.29	58.42
22 11 16 00-0668 Crimped Copper 45 Degree Elbows (22 11 16 00-0657)		
22 11 16 00-0669 EA 1/2" Crimped Copper 45 Degree Elbow For Work In Restricted Working Space, Add	27.41 7.17	15.94
22 11 16 00-0670 EA 3/4" Crimped Copper 45 Degree Elbow For Work In Restricted Working Space, Add	31.53 8.17	18.19
22 11 16 00-0671 EA 1" Crimped Copper 45 Degree Elbow For Work In Restricted Working Space, Add	46.37 9.76	21.64
22 11 16 00-0672 EA 1-1/4" Crimped Copper 45 Degree Elbow For Work In Restricted Working Space, Add	55.71 10.75	23.90
22 11 16 00-0673 EA 1-1/2" Crimped Copper 45 Degree Elbow For Work In Restricted Working Space, Add	72.04 11.95	26.56
22 11 16 00-0674 EA 2" Crimped Copper 45 Degree Elbow For Work In Restricted Working Space, Add	92.86 14.34	31.86
22 11 16 00-0675 EA 2-1/2" Crimped Copper 45 Degree Elbow For Work In Restricted Working Space, Add	160.12 16.73	37.17
22 11 16 00-0676 EA 3" Crimped Copper 45 Degree Elbow For Work In Restricted Working Space, Add	215.48 19.92	44.21
22 11 16 00-0677 EA 4" Crimped Copper 45 Degree Elbow For Work In Restricted Working Space, Add	294.68 26.29	58.42
22 11 16 00-0678 Crimped Copper Straight Tees (22 11 16 00-0657)		
22 11 16 00-0679 EA 1/2" Diameter, Crimped Copper Straight Tee For Work In Restricted Working Space, Add	40.45 10.75	23.90
22 11 16 00-0680 EA 3/4" Diameter, Crimped Copper Straight Tee For Work In Restricted Working Space, Add	55.26 14.14	31.47
22 11 16 00-0681 EA 1" Diameter, Crimped Copper Straight Tee For Work In Restricted Working Space, Add	67.09 15.73	34.92
22 11 16 00-0682 EA 1-1/4" Diameter, Crimped Copper Straight Tee For Work In Restricted Working Space, Add	78.55 16.13	35.84
22 11 16 00-0683 EA 1-1/2" Diameter, Crimped Copper Straight Tee For Work In Restricted Working Space, Add	109.23 18.32	40.76
22 11 16 00-0684 EA 2" Diameter, Crimped Copper Straight Tee For Work In Restricted Working Space, Add	131.20 21.51	47.80
22 11 16 00-0685 EA 2-1/2" Diameter, Crimped Copper Straight Tee For Work In Restricted Working Space, Add	278.83 25.10	55.76
22 11 16 00-0686 EA 3" Diameter, Crimped Copper Straight Tee For Work In Restricted Working Space, Add	343.55 29.87	66.39
22 11 16 00-0687 EA 4" Diameter, Crimped Copper Straight Tee For Work In Restricted Working Space, Add	473.78 39.44	87.62
22 11 16 00-0688 Crimped Copper Reducing Tees (22 11 16 00-0657)		
22 11 16 00-0689 EA 3/4" Diameter, Crimped Copper Reducing Tee For Work In Restricted Working Space, Add	46.66 10.24	22.71
22 11 16 00-0690 EA 1" Diameter, Crimped Copper Reducing Tee For Work In Restricted Working Space, Add	67.03 13.43	29.87
22 11 16 00-0691 EA 1-1/4" Diameter, Crimped Copper Reducing Tee For Work In Restricted Working Space, Add	72.46 14.94	33.19
22 11 16 00-0692 EA 1-1/2" Diameter, Crimped Copper Reducing Tee For Work In Restricted Working Space, Add	93.87 15.34	34.12
22 11 16 00-0693 EA 2" Diameter, Crimped Copper Reducing Tee For Work In Restricted Working Space, Add	112.11 17.41	38.64
22 11 16 00-0694 EA 2-1/2" Diameter, Crimped Copper Reducing Tee For Work In Restricted Working Space, Add	295.67 19.92	43.81
22 11 16 00-0695 EA 3" Diameter, Crimped Copper Reducing Tee For Work In Restricted Working Space, Add	360.35 23.90	53.11
22 11 16 00-0696 EA 4" Diameter, Crimped Copper Reducing Tee For Work In Restricted Working Space, Add	425.55 31.86	70.76
22 11 16 00-0697 Crimped Copper Couplings (22 11 16 00-0657)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0698 EA 1/2" Diameter, Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i>	26.61 7.17	15.94
22 11 16 00-0699 EA 3/4" Diameter, Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i>	31.34 8.17	18.19
22 11 16 00-0700 EA 1" Diameter, Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i>	40.84 9.76	21.64
22 11 16 00-0701 EA 1-1/4" Diameter, Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i>	46.18 10.75	23.90
22 11 16 00-0702 EA 1-1/2" Diameter, Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i>	59.09 11.95	26.56
22 11 16 00-0703 EA 2" Diameter, Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i>	72.39 14.34	31.86
22 11 16 00-0704 EA 2-1/2" Diameter, Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i>	134.44 16.73	37.17
22 11 16 00-0705 EA 3" Diameter, Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i>	166.59 19.92	44.21
22 11 16 00-0706 EA 4" Diameter, Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i>	226.76 26.29	58.42
22 11 16 00-0707 Crimped Copper Reducing Couplings (22 11 16 00-0657)		
22 11 16 00-0708 EA 3/4" Diameter, Crimped Copper Reducing Coupling..... <i>For Work In Restricted Working Space, Add</i>	35.06 6.81	15.14
22 11 16 00-0709 EA 1" Diameter, Crimped Copper Reducing Coupling..... <i>For Work In Restricted Working Space, Add</i>	40.04 7.77	17.26
22 11 16 00-0710 EA 1-1/4" Diameter, Crimped Copper Reducing Coupling..... <i>For Work In Restricted Working Space, Add</i>	51.51 9.28	20.58
22 11 16 00-0711 EA 1-1/2" Diameter, Crimped Copper Reducing Coupling..... <i>For Work In Restricted Working Space, Add</i>	64.42 10.24	22.71
22 11 16 00-0712 EA 2" Diameter, Crimped Copper Reducing Coupling..... <i>For Work In Restricted Working Space, Add</i>	71.95 11.35	25.23
22 11 16 00-0713 EA 2-1/2" Diameter, Crimped Copper FTG x C Reducing Coupling..... <i>For Work In Restricted Working Space, Add</i>	138.09 13.54	30.14
22 11 16 00-0714 EA 3" Diameter, Crimped Copper FTG x C Reducing Coupling..... <i>For Work In Restricted Working Space, Add</i>	171.66 15.93	35.45
22 11 16 00-0715 EA 4" Diameter, Crimped Copper FTG x C Reducing Coupling..... <i>For Work In Restricted Working Space, Add</i>	223.32 21.11	46.87
22 11 16 00-0716 Crimped Copper Male Adapters (22 11 16 00-0657)		
22 11 16 00-0717 EA 1/2" Diameter, Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	27.22 7.17	15.94
22 11 16 00-0718 EA 3/4" Diameter, Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	33.24 8.17	18.19
22 11 16 00-0719 EA 1" Diameter, Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	43.55 9.76	21.64
22 11 16 00-0720 EA 1-1/4" Diameter, Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	60.02 10.75	23.90
22 11 16 00-0721 EA 1-1/2" Diameter, Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	73.75 11.95	26.56
22 11 16 00-0722 EA 2" Diameter, Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	113.12 14.34	31.86
22 11 16 00-0723 EA 2-1/2" Diameter, Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	213.74 16.73	37.17
22 11 16 00-0724 EA 3" Diameter, Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	265.14 19.92	44.21
22 11 16 00-0725 EA 4" Diameter, Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	317.68 26.29	58.42
22 11 16 00-0726 Crimped Copper Female Adapters (22 11 16 00-0657)		
22 11 16 00-0727 EA 1/2" Diameter, Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	27.91 7.17	15.94
22 11 16 00-0728 EA 3/4" Diameter, Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	33.75 8.17	18.19
22 11 16 00-0729 EA 1" Diameter, Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	44.56 9.76	21.64
22 11 16 00-0730 EA 1-1/4" Diameter, Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	63.03 10.75	23.90
22 11 16 00-0731 EA 1-1/2" Diameter, Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	79.37 11.95	26.56
22 11 16 00-0732 EA 2" Diameter, Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	114.93 14.34	31.86
22 11 16 00-0733 Crimped Copper Caps (22 11 16 00-0657)		
22 11 16 00-0734 EA 1/2" Diameter, Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	17.77 3.59	7.97
22 11 16 00-0735 EA 3/4" Diameter, Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	23.77 4.18	9.30
22 11 16 00-0736 EA 1" Diameter, Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	31.09 4.78	10.62



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0737 EA 1-1/4" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	35.09 5.38	11.95
22 11 16 00-0738 EA 1-1/2" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	47.17 6.17	13.67
22 11 16 00-0739 EA 2" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	56.20 7.17	15.94
22 11 16 00-0740 EA 2-1/2" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	131.19 8.37	18.59
22 11 16 00-0741 EA 3" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	163.92 9.96	22.17
22 11 16 00-0742 EA 4" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	218.02 13.14	29.20
22 11 16 00-0743 C x F NPT Crimped Bronze Unions (22 11 16 00-0657)		
22 11 16 00-0744 EA 1/2" Diameter, C x F NPT Crimped Bronze Union For Work In Restricted Working Space, Add	49.58 9.76	21.64
22 11 16 00-0745 EA 3/4" Diameter, C x F NPT Crimped Bronze Union For Work In Restricted Working Space, Add	61.83 11.99	26.69
22 11 16 00-0746 EA 1" Diameter, C x F NPT Crimped Bronze Union For Work In Restricted Working Space, Add	84.26 14.38	32.00
22 11 16 00-0747 EA 1-1/4" Diameter, C x F NPT Crimped Bronze Union For Work In Restricted Working Space, Add	101.46 16.65	36.91
22 11 16 00-0748 EA 1-1/2" Diameter, C x F NPT Crimped Bronze Union For Work In Restricted Working Space, Add	126.42 16.25	36.12
22 11 16 00-0749 EA 2" Diameter, C x F NPT Crimped Bronze Union For Work In Restricted Working Space, Add	174.06 23.50	52.31
22 11 16 00-0750 C x C Crimped Bronze Unions (22 11 16 00-0657)		
22 11 16 00-0751 EA 1/2" Diameter, C x C Bronze Crimped Union For Work In Restricted Working Space, Add	45.17 7.17	15.94
22 11 16 00-0752 EA 3/4" Diameter, C x C Bronze Crimped Union For Work In Restricted Working Space, Add	55.11 8.17	18.19
22 11 16 00-0753 EA 1" Diameter, C x C Bronze Crimped Union For Work In Restricted Working Space, Add	77.07 9.76	21.64
22 11 16 00-0754 EA 1-1/4" Diameter, C x C Bronze Crimped Union For Work In Restricted Working Space, Add	99.45 10.75	23.90
22 11 16 00-0755 EA 1-1/2" Diameter, C x C Bronze Crimped Union For Work In Restricted Working Space, Add	126.22 11.95	26.56
22 11 16 00-0756 EA 2" Diameter, C x C Bronze Crimped Union For Work In Restricted Working Space, Add	188.88 14.34	31.86
22 11 16 00-0757 C x Flange Crimped Bronze Flange (22 11 16 00-0657)		
22 11 16 00-0758 EA 2-1/2" Diameter, C x Flange Crimped Bronze Flange For Work In Restricted Working Space, Add	357.83 16.73	37.17
22 11 16 00-0759 EA 3" Diameter, C x Flange Crimped Bronze Flange For Work In Restricted Working Space, Add	391.52 19.92	44.21
22 11 16 00-0760 EA 4" Diameter, C x Flange Crimped Bronze Flange For Work In Restricted Working Space, Add	451.59 26.29	58.42
22 11 16 00-0761 Field Installed FKM Seals (22 11 16 00-0657)		
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0762 EA 1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings. For Work In Restricted Working Space, Add	7.68 1.79	
22 11 16 00-0763 EA 3/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings. For Work In Restricted Working Space, Add	9.58 2.09	
22 11 16 00-0764 EA 1" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings. For Work In Restricted Working Space, Add	10.98 2.39	
22 11 16 00-0765 EA 1-1/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings. For Work In Restricted Working Space, Add	12.58 2.69	
22 11 16 00-0766 EA 1-1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings. For Work In Restricted Working Space, Add	17.12 3.09	
22 11 16 00-0767 EA 2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings. For Work In Restricted Working Space, Add	19.17 3.59	
22 11 16 00-0768 EA 2-1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings. For Work In Restricted Working Space, Add	27.69 4.18	
22 11 16 00-0769 EA 3" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings. For Work In Restricted Working Space, Add	31.95 4.98	
22 11 16 00-0770 EA 4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings. For Work In Restricted Working Space, Add	43.38 6.57	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0771 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0383)		
22 11 16 00-0772 EA Up To 1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	13.28	
22 11 16 00-0773 EA 3/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	14.34	
22 11 16 00-0774 EA 1" Diameter, Cut And Prepare Existing In Place Copper Pipe	16.14	
22 11 16 00-0775 EA 1-1/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	16.93	
22 11 16 00-0776 EA 1-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	17.93	
22 11 16 00-0777 EA 2" Diameter, Cut And Prepare Existing In Place Copper Pipe	19.72	
22 11 16 00-0778 EA 2-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	21.25	
22 11 16 00-0779 EA 3" Diameter, Cut And Prepare Existing In Place Copper Pipe	25.09	
22 11 16 00-0780 EA 4" Diameter, Cut And Prepare Existing In Place Copper Pipe	33.85	
22 11 16 00-0781 EA 6" Diameter, Cut And Prepare Existing In Place Copper Pipe	48.39	
22 11 16 00-0782 EA 8" Diameter, Cut And Prepare Existing In Place Copper Pipe	64.53	
22 11 16 00-0783 Sweat Brass Companion Flanges (22 11 16 00-0383)		
Note: Excludes bolt and gasket sets		
22 11 16 00-0784 EA 1" Diameter, Sweat Brass Companion Flange	61.55	20.41
22 11 16 00-0785 EA 1-1/4" Diameter, Sweat Brass Companion Flange	67.26	22.49
22 11 16 00-0786 EA 1-1/2" Diameter, Sweat Brass Companion Flange	92.76	24.45
22 11 16 00-0787 EA 2" Diameter, Sweat Brass Companion Flange	121.63	27.14
22 11 16 00-0788 EA 2-1/2" Diameter, Sweat Brass Companion Flange	173.37	32.64
22 11 16 00-0789 EA 3" Diameter, Sweat Brass Companion Flange	193.00	42.78
22 11 16 00-0790 EA 4" Diameter, Sweat Brass Companion Flange	256.16	50.98
22 11 16 00-0791 EA 5" Diameter, Sweat Brass Companion Flange	479.10	59.54
22 11 16 00-0792 EA 6" Diameter, Sweat Brass Companion Flange	559.14	86.49
22 11 16 00-0793 EA 8" Diameter, Copper Companion Flange	1,260.40	123.38
22 11 16 00-0794 Brass Compression Fittings (22 11 16 00-0383)		
22 11 16 00-0795 Brass Compression Unions (22 11 16 00-0794)		
22 11 16 00-0796 EA 1/4" Diameter, Brass Compression Union	22.59	14.34
22 11 16 00-0797 EA 3/8" Diameter, Brass Compression Union	22.89	14.34
22 11 16 00-0798 EA 1/2" Diameter, Brass Compression Union	23.80	14.34
22 11 16 00-0799 EA 5/8" Diameter, Brass Compression Union	24.23	14.34
22 11 16 00-0800 EA 3/4" Diameter, Brass Compression Union	33.39	14.34
22 11 16 00-0801 EA 3/8" x 1/4" Diameter, Brass Compression Union	23.10	14.34
22 11 16 00-0802 EA 1/2" x 3/8" Diameter, Brass Compression Union	23.87	14.34
22 11 16 00-0803 EA 5/8" x 3/8" Diameter, Brass Compression Union	24.41	14.34
22 11 16 00-0804 EA 5/8" x 1/2" Diameter, Brass Compression Union	25.27	14.34
22 11 16 00-0805 Brass Compression Union Elbows (22 11 16 00-0794)		
22 11 16 00-0806 EA 1/4" Diameter, Brass Compression Union Elbow	23.80	14.34
22 11 16 00-0807 EA 3/8" Diameter, Brass Compression Union Elbow	24.29	14.34
22 11 16 00-0808 EA 1/2" Diameter, Brass Compression Union Elbow	25.37	14.34
22 11 16 00-0809 EA 5/8" Diameter, Brass Compression Union Elbow	27.04	14.34
22 11 16 00-0810 EA 3/4" Diameter, Brass Compression Union Elbow	33.57	14.34
22 11 16 00-0811 EA 3/8" x 1/4" Diameter, Brass Compression Union Elbow	24.29	14.34
22 11 16 00-0812 EA 1/2" x 3/8" Diameter, Brass Compression Union Elbow	25.37	14.34
22 11 16 00-0813 EA 5/8" x 3/8" Diameter, Brass Compression Union Elbow	25.67	14.34
22 11 16 00-0814 EA 5/8" x 1/2" Diameter, Brass Compression Union Elbow	30.57	14.34
22 11 16 00-0815 Brass Compression Union Tees (22 11 16 00-0794)		
22 11 16 00-0816 EA 1/4" Diameter, Brass Compression Union Tee	24.17	14.34
22 11 16 00-0817 EA 3/8" Diameter, Brass Compression Union Tee	25.19	14.34
22 11 16 00-0818 EA 1/2" Diameter, Brass Compression Union Tee	26.27	14.34
22 11 16 00-0819 EA 5/8" Diameter, Brass Compression Union Tee	29.68	14.34
22 11 16 00-0820 EA 3/4" Diameter, Brass Compression Union Tee	41.46	14.34
22 11 16 00-0821 EA 3/8" x 3/8" x 1/4" Diameter, Brass Compression Union Tee	25.91	14.34
22 11 16 00-0822 EA 1/2" x 1/2" x 3/8" Diameter, Brass Compression Union Tee	31.44	14.34
22 11 16 00-0823 EA 5/8" x 5/8" x 3/8" Diameter, Brass Compression Union Tee	30.91	14.34
22 11 16 00-0824 EA 5/8" x 5/8" x 1/2" Diameter, Brass Compression Union Tee	31.53	14.34
22 11 16 00-0825 Brass Compression Male Connectors (22 11 16 00-0794)		
22 11 16 00-0826 EA 1/4" Diameter, Brass Compression Male Connector	22.38	14.34
22 11 16 00-0827 EA 3/8" Diameter, Brass Compression Male Connector	22.77	14.34
22 11 16 00-0828 EA 1/2" Diameter, Brass Compression Male Connector	23.45	14.34
22 11 16 00-0829 EA 5/8" Diameter, Brass Compression Male Connector	24.47	14.34
22 11 16 00-0830 EA 3/4" Diameter, Brass Compression Male Connector	29.82	14.20
22 11 16 00-0831 Brass Compression Female Connectors (22 11 16 00-0794)		
22 11 16 00-0832 EA 1/4" Diameter, Brass Compression Female Connector	22.81	14.34
22 11 16 00-0833 EA 3/8" Diameter, Brass Compression Female Connector	23.32	14.34
22 11 16 00-0834 EA 1/2" Diameter, Brass Compression Female Connector	24.19	14.34



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0835	EA	5/8" Diameter, Brass Compression Female Connector	24.73		14.34
22 11 16 00-0836	EA	3/4" Diameter, Brass Compression Female Connector	38.14		14.07
22 11 16 00-0837		Dielectric Fittings (22 11 16 00-0837)			
22 11 16 00-0838		Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)			
22 11 16 00-0839	EA	1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	55.44		31.86
22 11 16 00-0840	EA	3/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	62.08		36.38
22 11 16 00-0841	EA	1" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	73.20		39.98
22 11 16 00-0842	EA	1-1/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	87.81		44.01
22 11 16 00-0843	EA	1-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	105.31		48.90
22 11 16 00-0844	EA	2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	133.06		58.68
22 11 16 00-0845		Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)			
22 11 16 00-0846	EA	1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	60.27		31.86
22 11 16 00-0847	EA	3/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	70.04		36.38
22 11 16 00-0848	EA	1" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	83.69		39.98
22 11 16 00-0849	EA	1-1/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	101.72		44.01
22 11 16 00-0850	EA	1-1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	122.52		48.90
22 11 16 00-0851	EA	2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	153.24		58.68
22 11 16 00-0852		Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)			
22 11 16 00-0853	EA	1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	57.21		31.86
22 11 16 00-0854	EA	3/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	64.99		36.38
22 11 16 00-0855	EA	1" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	73.97		39.98
22 11 16 00-0856	EA	1-1/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	85.12		44.01
22 11 16 00-0857	EA	1-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	102.64		48.90
22 11 16 00-0858	EA	2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	130.92		58.68
22 11 16 00-0859		Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)			
22 11 16 00-0860	EA	2-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	325.54		150.85
22 11 16 00-0861	EA	3" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	407.76		189.97
22 11 16 00-0862	EA	4" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	573.02		258.55
22 11 16 00-0863		Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)			
22 11 16 00-0864	EA	2-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	327.52		150.85
22 11 16 00-0865	EA	3" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	423.60		189.97
22 11 16 00-0866	EA	4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	755.67		258.55
22 11 16 00-0867		Brass Push-Fit Fittings (22 11 16)			
22 11 16 00-0868	EA	1/4" x 1/4" Diameter, Brass Push-Fit Coupling	28.33		13.28
		Note: (Sharkbite)			
22 11 16 00-0869	EA	3/8" x 3/8" Diameter, Brass Push-Fit Coupling	35.08		14.16
		Note: (Sharkbite)			
22 11 16 00-0870	EA	1/2" x 1/2" Diameter, Brass Push-Fit Coupling	36.40		15.94
		Note: (Sharkbite)			
22 11 16 00-0871	EA	5/8" x 5/8" Diameter, Brass Push-Fit Coupling	41.84		16.99
		Note: (Sharkbite)			
22 11 16 00-0872	EA	3/4" x 3/4" Diameter, Brass Push-Fit Coupling	42.69		18.15
		Note: (Sharkbite)			
22 11 16 00-0873	EA	1" x 1" Diameter, Brass Push-Fit Coupling	59.85		21.68
		Note: (Sharkbite)			
22 11 16 00-0874	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Coupling	35.74		15.04
		Note: (Sharkbite)			
22 11 16 00-0875	EA	3/4" x 5/8" Diameter, Brass Push-Fit Reducing Coupling	41.34		16.47
		Note: (Sharkbite)			
22 11 16 00-0876	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Coupling	61.41		19.92
		Note: (Sharkbite)			
22 11 16 00-0877	EA	1/4" x 1/4" Diameter, Brass Push-Fit Elbow	29.55		13.28
		Note: (Sharkbite)			
22 11 16 00-0878	EA	3/8" x 3/8" Diameter, Brass Push-Fit Elbow	40.26		14.16
		Note: (Sharkbite)			
22 11 16 00-0879	EA	1/2" x 1/2" Diameter, Brass Push-Fit Elbow	37.07		15.94
		Note: (Sharkbite)			
22 11 16 00-0880	EA	5/8" x 5/8" Diameter, Brass Push-Fit Elbow	44.85		16.99
		Note: (Sharkbite)			
22 11 16 00-0881	EA	3/4" x 3/4" Diameter, Brass Push-Fit Elbow	41.83		18.15
		Note: (Sharkbite)			
22 11 16 00-0882	EA	1" x 1" Diameter, Brass Push-Fit Elbow	60.51		21.68
		Note: (Sharkbite)			
22 11 16 00-0883	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Elbow	35.18		15.04
		Note: (Sharkbite)			
22 11 16 00-0884	EA	3/4" x 1/2" Diameter, Brass Push-Fit Reducing Elbow	39.20		16.47
		Note: (Sharkbite)			

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0885	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	76.23	19.92
22 11 16 00-0886	EA	1/4" x 1/4" x 1/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	44.81	19.92
22 11 16 00-0887	EA	3/8" x 3/8" x 3/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	56.60	21.25
22 11 16 00-0888	EA	1/2" x 1/2" x 1/2" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	51.99	23.90
22 11 16 00-0889	EA	5/8" x 5/8" x 5/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	66.01	25.49
22 11 16 00-0890	EA	3/4" x 3/4" x 3/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	60.63	27.22
22 11 16 00-0891	EA	1" x 1" x 1" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	82.72	32.52
22 11 16 00-0892	EA	1/2" x 1/2" x 1/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	58.19	22.57
22 11 16 00-0893	EA	1/2" x 1/2" x 3/8" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	58.53	23.01
22 11 16 00-0894	EA	3/4" x 3/4" x 1/2" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	58.52	26.12
22 11 16 00-0895	EA	1" x 1" x 3/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	80.22	30.76
22 11 16 00-0896	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.68	14.61
22 11 16 00-0897	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.30	15.04
22 11 16 00-0898	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	32.95	15.94
22 11 16 00-0899	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	37.73	18.15
22 11 16 00-0900	EA	1" x 1" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	52.88	21.68
22 11 16 00-0901	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	29.52	14.61
22 11 16 00-0902	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	33.30	15.04
22 11 16 00-0903	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	33.04	15.94
22 11 16 00-0904	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	37.36	18.15
22 11 16 00-0905	EA	5/8" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	40.52	17.56
22 11 16 00-0906	EA	1" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	48.57	19.92
22 11 16 00-0907	EA	1" x 1" Diameter, Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	53.65	21.68
22 11 16 00-0908	EA	1/2" Diameter, Brass Push-Fit Ball Valve..... Note: (Sharkbite)	47.34	15.94
22 11 16 00-0909	EA	3/4" Diameter, Brass Push-Fit Ball Valve..... Note: (Sharkbite)	55.33	18.15
22 11 16 00-0910	EA	1" Diameter, Brass Push-Fit Ball Valve..... Note: (Sharkbite)	73.00	21.68
22 11 16 00-0911	EA	1/2" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	50.68	15.94
22 11 16 00-0912	EA	3/4" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	60.97	18.15
22 11 16 00-0913	EA	1" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	102.34	21.68
22 11 16 00-0914		Copper Pipe With Fittings And Hangers Assemblies (22 11 16) Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0915	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	26.66	3.72
		<i>For Type K Tubing Instead Of Type L, Add</i>	1.86	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.54	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.41	
		<i>For For Brazed Fittings, Add</i>	0.83	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.37	
		<i>For Work In Restricted Working Space, Add</i>	6.23	
22 11 16 00-0916	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	31.14	4.78
		<i>For Type K Tubing Instead Of Type L, Add</i>	2.27	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.85	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.91	
		<i>For For Brazed Fittings, Add</i>	0.94	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.73	
		<i>For Work In Restricted Working Space, Add</i>	7.06	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
22 11 16 00-0917	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	34.65		5.71
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	2.73		
		For Type M Tubing Instead Of Type L, Deduct	-2.18		
		For Silver Solder Instead Of 95/5 Solder, Add	4.20		
		For For Brazed Fittings, Add	0.99		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.97		
		For Work In Restricted Working Space, Add	7.40		
22 11 16 00-0918	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	39.45		6.64
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	3.44		
		For Type M Tubing Instead Of Type L, Deduct	-2.68		
		For Silver Solder Instead Of 95/5 Solder, Add	4.53		
		For For Brazed Fittings, Add	1.02		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.25		
		For Work In Restricted Working Space, Add	7.69		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.38		
22 11 16 00-0919	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	44.24		7.57
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	4.04		
		For Type M Tubing Instead Of Type L, Deduct	-3.12		
		For Silver Solder Instead Of 95/5 Solder, Add	4.94		
		For For Brazed Fittings, Add	1.09		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.58		
		For Work In Restricted Working Space, Add	8.20		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.69		
22 11 16 00-0920	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	56.67		9.43
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	5.66		
		For Type M Tubing Instead Of Type L, Deduct	-4.28		
		For Silver Solder Instead Of 95/5 Solder, Add	5.98		
		For For Brazed Fittings, Add	1.26		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.41		
		For Work In Restricted Working Space, Add	9.44		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.52		
22 11 16 00-0921	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	71.01		11.37
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	7.85		
		For Type M Tubing Instead Of Type L, Deduct	-5.82		
		For Silver Solder Instead Of 95/5 Solder, Add	6.92		
		For For Brazed Fittings, Add	1.35		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.24		
		For Work In Restricted Working Space, Add	10.12		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-3.73		
22 11 16 00-0922	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	87.16		13.20
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	10.29		
		For Type M Tubing Instead Of Type L, Deduct	-7.54		
		For Silver Solder Instead Of 95/5 Solder, Add	8.01		
		For For Brazed Fittings, Add	1.46		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.18		
		For Work In Restricted Working Space, Add	10.96		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-5.06		
22 11 16 00-0923	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	137.59		17.48
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	17.65		
		For Type M Tubing Instead Of Type L, Deduct	-12.73		
		For Silver Solder Instead Of 95/5 Solder, Add	11.60		
		For For Brazed Fittings, Add	1.89		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.24		
		For Work In Restricted Working Space, Add	14.17		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-9.04		
22 11 16 00-0924	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	242.78		21.76
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	34.19		
		For Type M Tubing Instead Of Type L, Deduct	-24.28		
		For Silver Solder Instead Of 95/5 Solder, Add	18.20		
		For For Brazed Fittings, Add	2.43		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.17		
		For Work In Restricted Working Space, Add	18.19		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-18.22		

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0925	LF		6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	317.32 44.99 -31.92 23.57 3.08 -19.72 23.10 -24.03	26.29
22 11 16 00-0926	LF		8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	671.32 104.21 -72.90 43.14 3.83 -38.35 28.71 -57.56	31.42
22 11 16 00-0927			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)		
22 11 16 00-0928			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0927)		
22 11 16 00-0929			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0928)		
22 11 16 00-0930	LF		1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	6.39 1.46	1.95
22 11 16 00-0931	LF		3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	7.19 1.54	2.05
22 11 16 00-0932	LF		1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	8.55 1.66	2.21
22 11 16 00-0933	LF		1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	10.21 1.81	2.41
22 11 16 00-0934	LF		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	11.72 2.00	2.67
22 11 16 00-0935	LF		2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	14.44 2.24	2.98
22 11 16 00-0936	LF		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	19.17 2.54	3.38
22 11 16 00-0937	LF		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	24.30 3.00	4.01
22 11 16 00-0938	LF		4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	33.27 3.70	4.93
22 11 16 00-0939	LF		6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	56.20 4.70	6.26
22 11 16 00-0940	LF		8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	80.33 6.16	8.21
22 11 16 00-0941			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0928)		
22 11 16 00-0942	EA		1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	25.58 6.97	9.29
22 11 16 00-0943	EA		3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	32.99 8.80	11.74
22 11 16 00-0944	EA		1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	42.58 11.04	14.67
22 11 16 00-0945	EA		1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	57.09 13.79	18.34
22 11 16 00-0946	EA		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	63.42 15.26	20.29
22 11 16 00-0947	EA		2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	73.66 17.02	20.29
22 11 16 00-0948	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	108.66 19.36	25.79
22 11 16 00-0949	EA		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	124.22 22.88	30.57
22 11 16 00-0950	EA		4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	173.84 28.17	37.53
22 11 16 00-0951	EA		6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	219.52 35.79	47.67
22 11 16 00-0952	EA		8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	401.74 46.94	62.59
22 11 16 00-0953			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0928)		
22 11 16 00-0954	EA		1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	26.75 6.97	9.29
22 11 16 00-0955	EA		3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	34.40 8.80	11.74



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0956 EA 1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	44.86 11.04	14.67
22 11 16 00-0957 EA 1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	60.09 13.79	18.34
22 11 16 00-0958 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	67.08 15.26	20.29
22 11 16 00-0959 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	74.90 17.02	22.74
22 11 16 00-0960 EA 2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	109.44 19.36	25.79
22 11 16 00-0961 EA 3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	124.12 22.88	30.57
22 11 16 00-0962 EA 4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	159.51 28.17	37.53
22 11 16 00-0963 EA 6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	246.38 35.79	47.67
22 11 16 00-0964 EA 8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	420.77 46.94	62.59
22 11 16 00-0965 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0928)		
22 11 16 00-0966 EA 1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	39.12 10.45	13.94
22 11 16 00-0967 EA 3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	50.83 13.20	17.60
22 11 16 00-0968 EA 1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	63.64 16.58	22.13
22 11 16 00-0969 EA 1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	86.64 20.69	27.63
22 11 16 00-0970 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	96.55 22.88	30.57
22 11 16 00-0971 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	115.31 25.52	33.99
22 11 16 00-0972 EA 2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	146.48 29.05	38.75
22 11 16 00-0973 EA 3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	168.45 34.33	45.72
22 11 16 00-0974 EA 4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	204.66 42.25	56.36
22 11 16 00-0975 EA 6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	303.69 53.69	71.64
22 11 16 00-0976 EA 8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... For Work In Restricted Working Space, Add	591.78 70.42	93.89
22 11 16 00-0977 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0928)		
22 11 16 00-0978 EA 1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	50.14 13.94	18.58
22 11 16 00-0979 EA 3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	64.56 17.60	23.47
22 11 16 00-0980 EA 1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	80.82 22.08	29.46
22 11 16 00-0981 EA 1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	107.16 27.58	36.80
22 11 16 00-0982 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	119.17 30.51	40.71
22 11 16 00-0983 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	139.49 34.04	45.35
22 11 16 00-0984 EA 2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	171.87 38.73	51.59
22 11 16 00-0985 EA 3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	199.11 45.77	61.00
22 11 16 00-0986 EA 4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	242.75 56.33	75.06
22 11 16 00-0987 EA 6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	346.05 71.59	95.48
22 11 16 00-0988 EA 8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... For Work In Restricted Working Space, Add	620.49 93.89	125.18
22 11 16 00-0989 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0928)		
22 11 16 00-0990 EA 3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... For Work In Restricted Working Space, Add	22.92 6.46	8.55
22 11 16 00-0991 EA 1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... For Work In Restricted Working Space, Add	31.72 8.69	11.61
22 11 16 00-0992 EA 1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... For Work In Restricted Working Space, Add	50.42 11.37	15.16
22 11 16 00-0993 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... For Work In Restricted Working Space, Add	56.71 12.58	16.75
22 11 16 00-0994 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... For Work In Restricted Working Space, Add	66.24 14.05	18.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0995 EA 2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	72.72 15.99	21.28
22 11 16 00-0996 EA 3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	87.83 18.89	25.18
22 11 16 00-0997 EA 4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	117.36 23.25	30.93
22 11 16 00-0998 EA 6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	183.29 29.52	39.36
22 11 16 00-0999 EA 8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	384.48 38.73	51.59
22 11 16 00-1000 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0928)		
22 11 16 00-1001 EA 1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	24.48 4.58	6.11
22 11 16 00-1002 EA 3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	31.44 6.46	8.55
22 11 16 00-1003 EA 1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	39.62 8.69	11.61
22 11 16 00-1004 EA 1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	49.74 11.37	15.16
22 11 16 00-1005 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	57.72 12.58	16.75
22 11 16 00-1006 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	71.26 14.05	18.70
22 11 16 00-1007 EA 2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	105.55 15.99	21.28
22 11 16 00-1008 EA 3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	199.43 18.89	25.18
22 11 16 00-1009 EA 4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	292.59 23.25	30.93
22 11 16 00-1010 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0928)		
22 11 16 00-1011 EA 1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	18.80 4.58	6.11
22 11 16 00-1012 EA 3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	26.28 6.46	8.55
22 11 16 00-1013 EA 1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	37.01 8.69	11.61
22 11 16 00-1014 EA 1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	49.74 11.37	15.16
22 11 16 00-1015 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	57.95 12.58	16.75
22 11 16 00-1016 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	68.49 14.05	18.70
22 11 16 00-1017 EA 2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	94.32 15.99	21.28
22 11 16 00-1018 EA 3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	112.56 18.89	25.18
22 11 16 00-1019 EA 4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	161.37 23.25	30.93
22 11 16 00-1020 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0928)		
22 11 16 00-1021 EA 1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	20.14 4.58	6.11
22 11 16 00-1022 EA 3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	26.71 6.46	8.55
22 11 16 00-1023 EA 1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	37.12 8.69	11.61
22 11 16 00-1024 EA 1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	50.13 11.37	15.16
22 11 16 00-1025 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	56.16 12.58	16.75
22 11 16 00-1026 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	67.02 14.05	18.70



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1027	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	95.17	21.28
			<i>For Work In Restricted Working Space, Add</i>	15.99	
22 11 16 00-1028	EA		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	127.38	25.18
			<i>For Work In Restricted Working Space, Add</i>	18.89	
22 11 16 00-1029	EA		4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	186.57	30.93
			<i>For Work In Restricted Working Space, Add</i>	23.25	
22 11 16 00-1030 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0928)					
22 11 16 00-1031	EA		1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	16.94	5.63
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 11 16 00-1032	EA		3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	23.80	7.82
			<i>For Work In Restricted Working Space, Add</i>	5.87	
22 11 16 00-1033	EA		1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	32.00	10.52
			<i>For Work In Restricted Working Space, Add</i>	7.89	
22 11 16 00-1034	EA		1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	42.99	13.82
			<i>For Work In Restricted Working Space, Add</i>	10.34	
22 11 16 00-1035	EA		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	48.88	15.28
			<i>For Work In Restricted Working Space, Add</i>	11.44	
22 11 16 00-1036	EA		2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	55.01	16.99
			<i>For Work In Restricted Working Space, Add</i>	12.76	
22 11 16 00-1037	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	78.30	19.31
			<i>For Work In Restricted Working Space, Add</i>	14.52	
22 11 16 00-1038	EA		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	87.41	22.86
			<i>For Work In Restricted Working Space, Add</i>	17.17	
22 11 16 00-1039	EA		4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	109.96	28.12
			<i>For Work In Restricted Working Space, Add</i>	21.12	
22 11 16 00-1040	EA		6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	167.50	35.82
			<i>For Work In Restricted Working Space, Add</i>	26.84	
22 11 16 00-1041	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	275.46	46.94
			<i>For Work In Restricted Working Space, Add</i>	35.21	
22 11 16 00-1042 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0928)					
22 11 16 00-1043	EA		1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	29.54	6.72
			<i>For Work In Restricted Working Space, Add</i>	5.03	
22 11 16 00-1044	EA		3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	36.88	9.41
			<i>For Work In Restricted Working Space, Add</i>	7.04	
22 11 16 00-1045	EA		1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	45.38	12.59
			<i>For Work In Restricted Working Space, Add</i>	9.46	
22 11 16 00-1046	EA		1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	73.86	16.51
			<i>For Work In Restricted Working Space, Add</i>	12.40	
22 11 16 00-1047	EA		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	78.84	18.34
			<i>For Work In Restricted Working Space, Add</i>	13.72	
22 11 16 00-1048	EA		2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	106.05	20.41
			<i>For Work In Restricted Working Space, Add</i>	15.33	
22 11 16 00-1049	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	172.02	23.23
			<i>For Work In Restricted Working Space, Add</i>	17.42	
22 11 16 00-1050	EA		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	240.90	27.51
			<i>For Work In Restricted Working Space, Add</i>	20.61	
22 11 16 00-1051	EA		4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	377.21	33.74
			<i>For Work In Restricted Working Space, Add</i>	25.34	
22 11 16 00-1052	EA		6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	502.71	42.90
			<i>For Work In Restricted Working Space, Add</i>	32.20	
22 11 16 00-1053	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	623.78	56.36
			<i>For Work In Restricted Working Space, Add</i>	42.25	
22 11 16 00-1054 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0928)					
22 11 16 00-1055	EA		1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	13.45	5.75
			<i>For Work In Restricted Working Space, Add</i>	2.62	
22 11 16 00-1056	EA		3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	17.72	7.22
			<i>For Work In Restricted Working Space, Add</i>	3.30	
22 11 16 00-1057	EA		1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	25.68	9.05
			<i>For Work In Restricted Working Space, Add</i>	4.14	
22 11 16 00-1058	EA		1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	30.26	6.84
			<i>For Work In Restricted Working Space, Add</i>	5.17	
22 11 16 00-1059	EA		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	32.35	7.58
			<i>For Work In Restricted Working Space, Add</i>	5.72	
22 11 16 00-1060	EA		2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	42.66	8.55
			<i>For Work In Restricted Working Space, Add</i>	6.38	
22 11 16 00-1061	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	62.71	9.66
			<i>For Work In Restricted Working Space, Add</i>	7.26	
22 11 16 00-1062	EA		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	67.99	11.49
			<i>For Work In Restricted Working Space, Add</i>	8.58	
22 11 16 00-1063	EA		4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	101.65	14.06
			<i>For Work In Restricted Working Space, Add</i>	10.56	
22 11 16 00-1064	EA		6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	210.06	17.84
			<i>For Work In Restricted Working Space, Add</i>	13.43	
22 11 16 00-1065	EA		8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	270.95	23.47
			<i>For Work In Restricted Working Space, Add</i>	17.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1066 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges (22 11 16 00-0928)		
22 11 16 00-1067 EA 1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	22.54	4.40
For Work In Restricted Working Space, Add	3.34	
22 11 16 00-1068 EA 3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	27.89	6.23
For Work In Restricted Working Space, Add	4.70	
22 11 16 00-1069 EA 1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	34.66	8.43
For Work In Restricted Working Space, Add	6.31	
22 11 16 00-1070 EA 1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	41.66	11.00
For Work In Restricted Working Space, Add	8.29	
22 11 16 00-1071 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	44.93	12.23
For Work In Restricted Working Space, Add	9.17	
22 11 16 00-1072 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	53.08	13.57
For Work In Restricted Working Space, Add	10.20	
22 11 16 00-1073 EA 2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	68.55	15.53
For Work In Restricted Working Space, Add	11.63	
22 11 16 00-1074 EA 3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	78.22	18.34
For Work In Restricted Working Space, Add	13.72	
22 11 16 00-1075 EA 4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	97.54	22.49
For Work In Restricted Working Space, Add	16.91	
22 11 16 00-1076 EA 6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	136.38	28.60
For Work In Restricted Working Space, Add	21.49	
22 11 16 00-1077 EA 8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	239.95	37.53
For Work In Restricted Working Space, Add	28.17	
22 11 16 00-1078 Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe (22 11 16 00-1076)		
22 11 16 00-1079 Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe (22 11 16 00-1076)		
Note: Aquatherm greenpipe®		
22 11 16 00-1080 LF 1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	5.50	2.07
22 11 16 00-1081 LF 3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	6.36	2.17
22 11 16 00-1082 LF 1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	8.54	2.60
22 11 16 00-1083 LF 1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	10.61	2.79
22 11 16 00-1084 LF 1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	14.47	3.13
22 11 16 00-1085 LF 2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	18.92	3.20
22 11 16 00-1086 LF 2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	26.92	4.34
22 11 16 00-1087 LF 3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	35.51	5.02
22 11 16 00-1088 LF 3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	47.44	5.62
22 11 16 00-1089 LF 4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	55.97	6.20
22 11 16 00-1090 Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe (22 11 16 00-1076)		
Note: Aquatherm greenpipe®		
22 11 16 00-1091 LF 1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	5.08	2.07
22 11 16 00-1092 LF 3/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	5.66	2.17
22 11 16 00-1093 LF 1" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	7.29	2.60
22 11 16 00-1094 LF 1-1/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	8.78	2.79
22 11 16 00-1095 LF 1-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	11.28	3.13
22 11 16 00-1096 LF 2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	14.39	3.20
22 11 16 00-1097 LF 2-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	19.95	4.34
22 11 16 00-1098 LF 3" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	26.31	5.02
22 11 16 00-1099 LF 3-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	35.89	5.62
22 11 16 00-1100 LF 4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	42.29	6.20
22 11 16 00-1101 Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe (22 11 16 00-1078)		
Note: Aquatherm greenpipe®		
22 11 16 00-1102 LF 1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	5.72	2.07
22 11 16 00-1103 LF 3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.66	2.17
22 11 16 00-1104 LF 1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	8.87	2.60
22 11 16 00-1105 LF 1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	11.04	2.79
22 11 16 00-1106 LF 1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	15.71	3.13
22 11 16 00-1107 LF 2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	19.59	3.20
22 11 16 00-1108 LF 2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	27.88	4.34
22 11 16 00-1109 LF 3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	37.90	5.02
22 11 16 00-1110 LF 3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	47.31	5.62
22 11 16 00-1111 LF 4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	55.59	6.20
22 11 16 00-1112 Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe (22 11 16 00-1078)		
Note: Aquatherm climatherm®		
22 11 16 00-1113 LF 1/2" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.06	2.08
22 11 16 00-1114 LF 3/4" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.74	2.17
22 11 16 00-1115 LF 1" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	6.83	2.60
22 11 16 00-1116 LF 1-1/4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	8.12	2.79
22 11 16 00-1117 LF 1-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	10.10	3.13
22 11 16 00-1118 LF 2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	12.59	3.20
22 11 16 00-1119 LF 2-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	17.50	4.34



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1120	LF		3" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	22.89	5.02
22 11 16 00-1121	LF		3-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	30.26	5.62
22 11 16 00-1122	LF		4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	36.30	6.20
22 11 16 00-1123	LF		6" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	43.76	7.93
22 11 16 00-1124	LF		8" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	69.43	10.41
22 11 16 00-1125 Pipe Clamp For Polypropylene Random (PP-R) Pipe (22 11 16 00-1078)					
22 11 16 00-1126	EA		1/2" Diameter Pipe Clamp For Polypropylene Pipe	13.87	5.15
22 11 16 00-1127	EA		3/4" Diameter Pipe Clamp For Polypropylene Pipe	14.42	5.15
22 11 16 00-1128	EA		1" Diameter Pipe Clamp For Polypropylene Pipe	14.78	5.15
22 11 16 00-1129	EA		1-1/4" Diameter Pipe Clamp For Polypropylene Pipe	14.91	5.15
22 11 16 00-1130	EA		1-1/2" Diameter Pipe Clamp For Polypropylene Pipe	15.33	5.15
22 11 16 00-1131	EA		2" Diameter Pipe Clamp For Polypropylene Pipe	16.54	5.15
22 11 16 00-1132	EA		2-1/2" Diameter Pipe Clamp For Polypropylene Pipe	18.31	5.15
22 11 16 00-1133	EA		3" Diameter Pipe Clamp For Polypropylene Pipe	18.91	5.15
22 11 16 00-1134	EA		3-1/2" Diameter Pipe Clamp For Polypropylene Pipe	19.76	5.15
22 11 16 00-1135	EA		4" Diameter Pipe Clamp For Polypropylene Pipe	20.92	5.15
22 11 16 00-1136 Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap (22 11 16 00-1078)					
22 11 16 00-1137	EA		Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.75	
22 11 16 00-1138	EA		Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	4.90	
22 11 16 00-1139	EA		Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	4.97	
22 11 16 00-1140	EA		Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	5.02	
22 11 16 00-1141 Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp (22 11 16 00-1078)					
22 11 16 00-1142	EA		1/2" Diameter, Polypropylene Pipe Plastic Pipe Clamp	11.35	2.67
22 11 16 00-1143	EA		3/4" Diameter, Polypropylene Pipe Plastic Pipe Clamp	11.72	2.67
22 11 16 00-1144 Polypropylene Random (PP-R), Heat Fusion, Socket Coupling (22 11 16 00-1078)					
22 11 16 00-1145	EA		1/2" Polypropylene, Heat Fusion, Socket Coupling	9.85	4.16
22 11 16 00-1146	EA		3/4" Polypropylene, Heat Fusion, Socket Coupling	10.40	4.34
22 11 16 00-1147	EA		1" Polypropylene, Heat Fusion, Socket Coupling	12.68	5.21
22 11 16 00-1148	EA		1-1/4" Polypropylene, Heat Fusion, Socket Coupling	13.88	5.58
22 11 16 00-1149	EA		1-1/2" Polypropylene, Heat Fusion, Socket Coupling	18.23	6.26
22 11 16 00-1150	EA		2" Polypropylene, Heat Fusion, Socket Coupling	24.18	6.39
22 11 16 00-1151	EA		2-1/2" Polypropylene, Heat Fusion, Socket Coupling	30.14	8.68
22 11 16 00-1152	EA		3" Polypropylene, Heat Fusion, Socket Coupling	48.15	10.05
22 11 16 00-1153	EA		3-1/2" Polypropylene, Heat Fusion, Socket Coupling	68.09	11.22
22 11 16 00-1154	EA		4" Polypropylene, Heat Fusion, Socket Coupling	84.69	12.40
22 11 16 00-1155 Polypropylene Random (PP-R), Heat Fusion, Bushing (22 11 16 00-1078)					
22 11 16 00-1156	EA		1" Polypropylene, Heat Fusion, Bushing	10.61	4.16
22 11 16 00-1157	EA		1-1/4" Polypropylene, Heat Fusion, Bushing	12.21	4.34
22 11 16 00-1158	EA		1-1/2" Polypropylene, Heat Fusion, Bushing	16.25	5.21
22 11 16 00-1159	EA		2" Polypropylene, Heat Fusion, Bushing	22.85	5.58
22 11 16 00-1160	EA		2-1/2" Polypropylene, Heat Fusion, Bushing	25.61	6.26
22 11 16 00-1161	EA		3" Polypropylene, Heat Fusion, Bushing	41.89	6.39
22 11 16 00-1162	EA		3-1/2" Polypropylene, Heat Fusion, Bushing	63.92	8.68
22 11 16 00-1163	EA		4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	76.90	10.05
22 11 16 00-1164	EA		4" x 3" Polypropylene, Heat Fusion, Bushing	93.10	11.22
22 11 16 00-1165	EA		4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	97.56	12.40
22 11 16 00-1166 Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling (22 11 16 00-1078)					
22 11 16 00-1167	EA		1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	14.14	4.34
22 11 16 00-1168	EA		1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	18.64	5.21
22 11 16 00-1169	EA		2" Polypropylene, Heat Fusion, Reducing Coupling	27.58	5.58
22 11 16 00-1170	EA		2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	30.58	6.26
22 11 16 00-1171	EA		3" Polypropylene, Heat Fusion, Reducing Coupling	37.10	6.39
22 11 16 00-1172	EA		3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	59.57	8.68
22 11 16 00-1173	EA		4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	77.26	10.54
22 11 16 00-1174	EA		4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	86.63	12.40
22 11 16 00-1175 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow (22 11 16 00-1078)					
22 11 16 00-1176	EA		1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	18.27	8.31
22 11 16 00-1177	EA		3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	19.61	8.74
22 11 16 00-1178	EA		1" Polypropylene, Heat Fusion, 90 Degree Elbow	23.90	10.41
22 11 16 00-1179	EA		1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	27.16	11.22
22 11 16 00-1180	EA		1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	35.06	12.47
22 11 16 00-1181	EA		2" Polypropylene, Heat Fusion, 90 Degree Elbow	41.00	12.71
22 11 16 00-1182	EA		2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	69.39	17.43
22 11 16 00-1183	EA		3" Polypropylene, Heat Fusion, 90 Degree Elbow	97.61	20.09
22 11 16 00-1184	EA		3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	126.44	22.45
22 11 16 00-1185	EA		4" Polypropylene, Heat Fusion, 90 Degree Elbow	175.24	24.80



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1186		Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow (22 11 16 00-1078)		
22 11 16 00-1187	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	18.27	8.31
22 11 16 00-1188	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	19.61	8.74
22 11 16 00-1189	EA	1" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	23.90	10.41
22 11 16 00-1190	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	27.16	11.22
22 11 16 00-1191		Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow (22 11 16 00-1078)		
22 11 16 00-1192	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	18.27	8.31
22 11 16 00-1193	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Elbow.....	19.61	8.74
22 11 16 00-1194	EA	1" Polypropylene, Heat Fusion, 45 Degree Elbow.....	23.90	10.41
22 11 16 00-1195	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow.....	27.16	11.22
22 11 16 00-1196	EA	1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	35.06	12.47
22 11 16 00-1197	EA	2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	40.81	12.71
22 11 16 00-1198	EA	2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	68.97	17.43
22 11 16 00-1199	EA	3" Polypropylene, Heat Fusion, 45 Degree Elbow.....	103.19	20.09
22 11 16 00-1200	EA	3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	134.61	22.45
22 11 16 00-1201	EA	4" Polypropylene, Heat Fusion, 45 Degree Elbow.....	187.77	24.80
22 11 16 00-1202		Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow (22 11 16 00-1078)		
22 11 16 00-1203	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	18.25	8.31
22 11 16 00-1204	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	19.61	8.74
22 11 16 00-1205	EA	1" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	23.90	10.41
22 11 16 00-1206	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	27.16	11.22
22 11 16 00-1207		Polypropylene Random (PP-R), Heat Fusion, Tee (22 11 16 00-1078)		
22 11 16 00-1208	EA	1/2" Polypropylene, Heat Fusion, Tee.....	27.15	12.47
22 11 16 00-1209	EA	3/4" Polypropylene, Heat Fusion, Tee.....	29.23	13.08
22 11 16 00-1210	EA	1" Polypropylene, Heat Fusion, Tee.....	35.02	15.56
22 11 16 00-1211	EA	1-1/4" Polypropylene, Heat Fusion, Tee.....	39.55	16.80
22 11 16 00-1212	EA	1-1/2" Polypropylene, Heat Fusion, Tee.....	54.40	18.72
22 11 16 00-1213	EA	2" Polypropylene, Heat Fusion, Tee.....	62.48	19.10
22 11 16 00-1214	EA	2-1/2" Polypropylene, Heat Fusion, Tee.....	92.90	26.11
22 11 16 00-1215	EA	3" Polypropylene, Heat Fusion, Tee.....	127.45	30.14
22 11 16 00-1216	EA	3-1/2" Polypropylene, Heat Fusion, Tee.....	172.01	33.64
22 11 16 00-1217	EA	4" Polypropylene, Heat Fusion, Tee.....	213.48	37.14
22 11 16 00-1218		Polypropylene Random (PP-R), Heat Fusion, Reducing Tee (22 11 16 00-1078)		
22 11 16 00-1219	EA	1/2" Polypropylene, Heat Fusion, Reducing Tee.....	27.15	12.47
22 11 16 00-1220	EA	3/4" Polypropylene, Heat Fusion, Reducing Tee.....	29.23	13.08
22 11 16 00-1221	EA	1" Polypropylene, Heat Fusion, Reducing Tee.....	34.98	15.56
22 11 16 00-1222	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Tee.....	39.55	16.80
22 11 16 00-1223	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	54.40	18.72
22 11 16 00-1224	EA	2" Polypropylene, Heat Fusion, Reducing Tee.....	61.01	19.10
22 11 16 00-1225	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	89.42	26.11
22 11 16 00-1226	EA	3" Polypropylene, Heat Fusion, Reducing Tee.....	134.87	30.14
22 11 16 00-1227	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	183.85	33.64
22 11 16 00-1228	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	209.27	37.14
22 11 16 00-1229	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Tee.....	213.96	37.14
22 11 16 00-1230	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	214.49	37.14
22 11 16 00-1231		Polypropylene Random (PP-R), Heat Fusion, End Cap (22 11 16 00-1078)		
22 11 16 00-1232	EA	1/2" Polypropylene, Heat Fusion, End Cap.....	10.73	4.16
22 11 16 00-1233	EA	3/4" Polypropylene, Heat Fusion, End Cap.....	11.74	4.34
22 11 16 00-1234	EA	1" Polypropylene, Heat Fusion, End Cap.....	14.12	5.21
22 11 16 00-1235	EA	1-1/4" Polypropylene, Heat Fusion, End Cap.....	17.00	5.58
22 11 16 00-1236	EA	1-1/2" Polypropylene, Heat Fusion, End Cap.....	20.59	6.26
22 11 16 00-1237	EA	2" Polypropylene, Heat Fusion, End Cap.....	26.26	6.39
22 11 16 00-1238	EA	2-1/2" Polypropylene, Heat Fusion, End Cap.....	36.93	8.68
22 11 16 00-1239	EA	3" Polypropylene, Heat Fusion, End Cap.....	64.27	10.05
22 11 16 00-1240	EA	3-1/2" Polypropylene, Heat Fusion, End Cap.....	75.59	11.22
22 11 16 00-1241	EA	4" Polypropylene, Heat Fusion, End Cap.....	105.74	12.40
22 11 16 00-1242		Polypropylene Random (PP-R), Heat Fusion Outlet (22 11 16 00-1078)		
22 11 16 00-1243	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet.....	13.36	
22 11 16 00-1244	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet.....	13.73	
22 11 16 00-1245	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet.....	13.93	
22 11 16 00-1246	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet.....	14.30	
22 11 16 00-1247	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet.....	14.88	
22 11 16 00-1248	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet.....	15.25	
22 11 16 00-1249	EA	2" x 1" Polypropylene, Heat Fusion Outlet.....	17.10	
22 11 16 00-1250	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet.....	15.83	



Plumbing		22	22
Plumbing Piping		22 10	
Facility Water Distribution		22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1251 EA 2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet.....	16.20	
22 11 16 00-1252 EA 2-1/2" x 1" Polypropylene, Heat Fusion Outlet.....	18.05	
22 11 16 00-1253 EA 2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	18.93	
22 11 16 00-1254 EA 3" x 1/2" Polypropylene, Heat Fusion Outlet.....	16.78	
22 11 16 00-1255 EA 3" x 3/4" Polypropylene, Heat Fusion Outlet.....	17.15	
22 11 16 00-1256 EA 3" x 1" Polypropylene, Heat Fusion Outlet.....	19.00	
22 11 16 00-1257 EA 3" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	19.88	
22 11 16 00-1258 EA 3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet.....	16.78	
22 11 16 00-1259 EA 3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet.....	18.10	
22 11 16 00-1260 EA 3-1/2" x 1" Polypropylene, Heat Fusion Outlet.....	19.95	
22 11 16 00-1261 EA 3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	20.83	
22 11 16 00-1262 EA 3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet.....	24.58	
22 11 16 00-1263 EA 4" x 1/2" Polypropylene, Heat Fusion Outlet.....	18.68	
22 11 16 00-1264 EA 4" x 3/4" Polypropylene, Heat Fusion Outlet.....	19.05	
22 11 16 00-1265 EA 4" x 1" Polypropylene, Heat Fusion Outlet.....	20.90	
22 11 16 00-1266 EA 4" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	21.78	
22 11 16 00-1267 EA 4" x 1-1/2" Polypropylene, Heat Fusion Outlet.....	24.58	
22 11 16 00-1268 EA 4" x 2" Polypropylene, Heat Fusion Outlet.....	28.86	
22 11 16 00-1269 Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included (22 11 16 00-1078)		
22 11 16 00-1270 EA 1" Polypropylene, Flange Adaptor With Gaskets Included.....	15.74	5.21
22 11 16 00-1271 EA 1-1/4" Polypropylene, Flange Adaptor With Gaskets Included.....	17.45	5.58
22 11 16 00-1272 EA 1-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	22.37	6.26
22 11 16 00-1273 EA 2" Polypropylene, Flange Adaptor With Gaskets Included.....	23.87	6.39
22 11 16 00-1274 EA 2-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	32.90	8.68
22 11 16 00-1275 EA 3" Polypropylene, Flange Adaptor With Gaskets Included.....	51.68	10.05
22 11 16 00-1276 EA 3-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	69.50	11.22
22 11 16 00-1277 EA 4" Polypropylene, Flange Adaptor With Gaskets Included.....	144.64	12.40
22 11 16 00-1278 Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern (22 11 16 00-1078)		
22 11 16 00-1279 EA 1" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	25.34	
22 11 16 00-1280 EA 1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	33.42	
22 11 16 00-1281 EA 1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	41.66	
22 11 16 00-1282 EA 2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	49.47	
22 11 16 00-1283 EA 2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	69.10	
22 11 16 00-1284 EA 3" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	80.20	
22 11 16 00-1285 EA 3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	99.30	
22 11 16 00-1286 EA 4" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	120.22	
22 11 16 00-1287 Polypropylene Random (PP-R), Electrofusion Coupling (22 11 16 00-1078)		
22 11 16 00-1288 EA 1/2" Polypropylene, Electrofusion Coupling.....	56.35	8.31
22 11 16 00-1289 EA 3/4" Polypropylene, Electrofusion Coupling.....	58.77	8.74
22 11 16 00-1290 EA 1" Polypropylene, Electrofusion Coupling.....	67.08	10.41
22 11 16 00-1291 EA 1-1/4" Polypropylene, Electrofusion Coupling.....	69.42	11.22
22 11 16 00-1292 EA 1-1/2" Polypropylene, Electrofusion Coupling.....	75.59	12.47
22 11 16 00-1293 EA 2" Polypropylene, Electrofusion Coupling.....	98.88	12.71
22 11 16 00-1294 EA 2-1/2" Polypropylene, Electrofusion Coupling.....	121.91	17.43
22 11 16 00-1295 EA 3" Polypropylene, Electrofusion Coupling.....	151.29	20.09
22 11 16 00-1296 EA 3-1/2" Polypropylene, Electrofusion Coupling.....	202.68	22.45
22 11 16 00-1297 EA 4" Polypropylene, Electrofusion Coupling.....	248.20	24.80
22 11 16 00-1298 Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow (22 11 16 00-1078)		
22 11 16 00-1299 EA 1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow.....	31.65	11.40
22 11 16 00-1300 EA 3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow.....	36.90	11.84
22 11 16 00-1301 Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow (22 11 16 00-1078)		
22 11 16 00-1302 EA 1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow.....	33.77	11.40
22 11 16 00-1303 Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test (22 11 16 00-1078)		
22 11 16 00-1304 EA 1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	9.51	4.16
22 11 16 00-1305 EA 3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	10.24	4.34
22 11 16 00-1306 Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece (22 11 16 00-1078)		
22 11 16 00-1307 EA 1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	24.18	8.31
22 11 16 00-1308 EA 1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	26.58	8.31
22 11 16 00-1309 EA 3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	25.05	8.74
22 11 16 00-1310 EA 3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	27.45	8.74
22 11 16 00-1311 EA 1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	31.79	10.41



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-1312	Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece (22 11 16 00-1078)			
22 11 16 00-1313	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	28.49	8.31
22 11 16 00-1314	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	30.52	8.31
22 11 16 00-1315	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	29.36	8.74
22 11 16 00-1316	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	31.39	8.74
22 11 16 00-1317	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	36.85	10.41
22 11 16 00-1318	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	53.35	10.41
22 11 16 00-1319	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	56.58	11.22
22 11 16 00-1320	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	73.81	11.22
22 11 16 00-1321	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	77.99	12.47
22 11 16 00-1322	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	84.49	12.47
22 11 16 00-1323	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	90.67	12.71
22 11 16 00-1324	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	117.65	12.71
22 11 16 00-1325	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	131.14	17.43
22 11 16 00-1326	Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece (22 11 16 00-1078)			
22 11 16 00-1327	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	34.43	8.31
22 11 16 00-1328	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	36.97	8.31
22 11 16 00-1329	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	35.30	8.74
22 11 16 00-1330	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	37.84	8.74
22 11 16 00-1331	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	44.88	10.41
22 11 16 00-1332	Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece (22 11 16 00-1078)			
22 11 16 00-1333	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	29.68	8.31
22 11 16 00-1334	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	31.54	8.31
22 11 16 00-1335	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	32.41	8.74
22 11 16 00-1336	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	45.86	10.41
22 11 16 00-1337	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	62.96	10.41
22 11 16 00-1338	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	48.38	11.22
22 11 16 00-1339	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	67.25	11.22
22 11 16 00-1340	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	71.20	12.47
22 11 16 00-1341	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	81.95	12.47
22 11 16 00-1342	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	92.97	12.71
22 11 16 00-1343	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	104.42	12.71
22 11 16 00-1344	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	115.75	17.43
22 11 16 00-1345	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	155.96	17.43
22 11 16 00-1346	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	229.06	20.09
22 11 16 00-1347	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	432.12	22.45
22 11 16 00-1348	Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow (22 11 16 00-1078)			
22 11 16 00-1349	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	29.83	8.31
22 11 16 00-1350	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	25.45	8.31
22 11 16 00-1351	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	30.70	8.74
22 11 16 00-1352	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	26.32	8.74
22 11 16 00-1353	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	35.47	10.41
22 11 16 00-1354	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	52.50	10.41
22 11 16 00-1355	Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow (22 11 16 00-1078)			
22 11 16 00-1356	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	25.45	8.31
22 11 16 00-1357	Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow (22 11 16 00-1078)			
22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	27.64	8.31
22 11 16 00-1359	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.06	8.31
22 11 16 00-1360	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.93	8.74
22 11 16 00-1361	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	37.09	10.41
22 11 16 00-1362	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	49.74	10.41
22 11 16 00-1363	Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee (22 11 16 00-1078)			
22 11 16 00-1364	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	35.38	12.47
22 11 16 00-1365	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	38.84	12.47
22 11 16 00-1366	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	36.63	13.08
22 11 16 00-1367	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	40.09	13.08
22 11 16 00-1368	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	47.38	15.56
22 11 16 00-1369	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	62.93	15.56
22 11 16 00-1370	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	73.25	18.72



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1371		Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee (22 11 16 00-1078)		
22 11 16 00-1372	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee	37.71	12.47
22 11 16 00-1373		Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting (22 11 16 00-1078)		
22 11 16 00-1374	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting.....	25.06	4.16
22 11 16 00-1375		Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT (22 11 16 00-1078)		
22 11 16 00-1376	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	22.18	
22 11 16 00-1377	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	28.07	
22 11 16 00-1378	EA	1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	38.36	
22 11 16 00-1379		Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT (22 11 16 00-1078)		
22 11 16 00-1380	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	25.57	
22 11 16 00-1381	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	34.35	
22 11 16 00-1382		Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor (22 11 16 00-1078)		
22 11 16 00-1383	EA	1/2" Polypropylene, Heat Fusion, PEX Adaptor	18.13	4.16
22 11 16 00-1384	EA	3/4" Polypropylene, Heat Fusion, PEX Adaptor	26.58	4.34
22 11 16 00-1385	EA	1" Polypropylene, Heat Fusion, PEX Adaptor	34.67	5.21
22 11 16 00-1386		Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body (22 11 16 00-1078)		
22 11 16 00-1387	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	25.81	9.12
22 11 16 00-1388	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	26.80	9.61
22 11 16 00-1389	EA	1" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	37.30	11.40
22 11 16 00-1390	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	55.66	12.34
22 11 16 00-1391		Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve (22 11 16 00-1078)		
22 11 16 00-1392	EA	1/2" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	69.56	9.12
22 11 16 00-1393	EA	3/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	70.55	9.61
22 11 16 00-1394	EA	1" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	84.28	11.40
22 11 16 00-1395	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	136.32	12.34
22 11 16 00-1396		Polypropylene Random (PP-R), Heat Fusion, Ball Valve (22 11 16 00-1078)		
22 11 16 00-1397	EA	1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	64.53	9.12
22 11 16 00-1398	EA	3/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	71.35	9.61
22 11 16 00-1399	EA	1" Diameter, Polypropylene, Heat Fusion, Ball Valve	86.46	11.40
22 11 16 00-1400	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	120.92	12.34
22 11 16 00-1401	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	174.50	13.70
22 11 16 00-1402	EA	2" Diameter, Polypropylene, Heat Fusion, Ball Valve	263.30	14.02
22 11 16 00-1403		Extension For Ball Valve (22 11 16 00-1078)		
22 11 16 00-1404	EA	Extension For 1/2" to 3/4" Diameter Ball Valve, 1-3/8" Length	32.63	
22 11 16 00-1405	EA	Extension For 1" to 1-1/4" Diameter Ball Valve, 1-3/8" Length	32.68	
22 11 16 00-1406	EA	Extension For 1-1/2" to 2" Diameter Ball Valve, 1-3/4" Length	35.66	
22 11 16 00-1407		Polypropylene Random (PP-R), Heat Fusion, Draining Branch (22 11 16 00-1078)		
22 11 16 00-1408	EA	1/2" Polypropylene, Heat Fusion, Draining Branch	32.47	8.31
22 11 16 00-1409	EA	3/4" Polypropylene, Heat Fusion, Draining Branch	33.34	8.74
22 11 16 00-1410	EA	1" Polypropylene, Heat Fusion, Draining Branch	38.37	10.41
22 11 16 00-1411	EA	1-1/4" Polypropylene, Heat Fusion, Draining Branch	39.98	11.22
22 11 16 00-1412	EA	1-1/2" Polypropylene, Heat Fusion, Draining Branch	43.91	12.47
22 11 16 00-1413	EA	2" Polypropylene, Heat Fusion, Draining Branch	46.95	12.71
22 11 19		Domestic Water Piping Specialties (22 11)		
22 11 19 00-0001		Rubber Hose And Clamps (22 11 19)		
22 11 19 00-0002		General Purpose Hose (22 11 19 00-0001)		
		Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF	3/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.51	2.64
22 11 19 00-0004	LF	1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.98	2.64
22 11 19 00-0005	LF	5/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.16	2.64
22 11 19 00-0006	LF	3/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.27	2.64
22 11 19 00-0007	LF	1" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	16.67	3.97
22 11 19 00-0008	LF	1-1/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	27.44	3.97

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0009 LF 1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	29.85	5.29
22 11 19 00-0010 LF 2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	56.97	5.29
22 11 19 00-0011 Reinforced EPDM Water Hose Assembly (22 11 19 00-0001) Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012 LF 1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	75.49	5.29
22 11 19 00-0013 LF 2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	89.05	5.29
22 11 19 00-0014 LF 3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	125.19	6.50
22 11 19 00-0015 LF 4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	175.77	8.78
22 11 19 00-0016 Chemical Resistant Rubber Hoses (22 11 19 00-0001)		
22 11 19 00-0017 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,407.14	326.99
22 11 19 00-0018 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,900.59	326.99
22 11 19 00-0019 Water Pump Hose (22 11 19 00-0001)		
22 11 19 00-0020 EA 2" Inside Diameter, 20' Rubber Discharge Hose.....	647.73	80.75
22 11 19 00-0021 EA 2" Inside Diameter, 20' Rubber Intake Hose.....	685.34	80.75
22 11 19 00-0022 Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)		
22 11 19 00-0023 EA 3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	32.65	11.10
22 11 19 00-0024 EA 1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	34.65	11.90
22 11 19 00-0025 EA 5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	37.10	12.69
22 11 19 00-0026 EA 3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	42.14	14.27
22 11 19 00-0027 EA 1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	50.49	17.45
22 11 19 00-0028 EA 1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	59.86	20.88
22 11 19 00-0029 EA 1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	77.23	27.48
22 11 19 00-0030 EA 2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	97.18	34.36
22 11 19 00-0031 Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0032 EA 3/8" To 1" Diameter, Worm Drive Hose Clamp.....	13.87	3.97
22 11 19 00-0033 EA 1/2" To 1-1/6" Diameter, Worm Drive Hose Clamp.....	14.67	3.97
22 11 19 00-0034 EA 5/8" To 1-1/2" Diameter, Worm Drive Hose Clamp.....	15.53	3.97
22 11 19 00-0035 EA 3/4" To 2" Diameter, Worm Drive Hose Clamp.....	16.53	3.97
22 11 19 00-0036 EA 1" To 2-1/2" Diameter, Worm Drive Hose Clamp.....	17.67	3.97
22 11 19 00-0037 EA 1-1/4" To 2-3/4" Diameter, Worm Drive Hose Clamp.....	19.13	5.29
22 11 19 00-0038 EA 1-1/2" To 3" Diameter, Worm Drive Hose Clamp.....	20.65	5.29
22 11 19 00-0039 Trap Primer And Accessories (22 11 19)		
22 11 19 00-0040 Trap Primer (22 11 19 00-0039)		
22 11 19 00-0041 EA 1/2" Diameter Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	346.31	19.92
22 11 19 00-0042 EA 1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	212.30	13.28
22 11 19 00-0043 EA 1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	205.57	13.28
22 11 19 00-0044 Trap Primer Distribution Unit (22 11 19 00-0039)		
22 11 19 00-0045 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)..... Note: Can be used for two, three or four drains.	176.59	26.56
22 11 19 00-0046 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)..... Note: Can be used for two, three or four drains.	194.72	26.56
22 11 19 00-0047 Trap Primer Manifold (22 11 19 00-0039)		
22 11 19 00-0048 EA Two Outlet Trap Primer Manifold.....	277.81	35.71
22 11 19 00-0049 EA Four Outlet Trap Primer Manifold.....	421.14	40.62
22 11 19 00-0050 EA Six Outlet Trap Primer Manifold.....	561.27	43.02
22 11 19 00-0051 EA Eight Outlet Trap Primer Manifold.....	706.30	50.45
22 11 19 00-0052 Brass, Anti Siphon Vacuum Breakers (22 11 19) Note: Watts 288A		
22 11 19 00-0053 EA 1/2" Brass, Anti Siphon Vacuum Breaker.....	123.79	33.19
22 11 19 00-0054 EA 3/4" Brass, Anti Siphon Vacuum Breaker.....	142.29	37.17
22 11 19 00-0055 EA 1" Brass, Anti Siphon Vacuum Breaker.....	293.32	42.48
22 11 19 00-0056 EA 1-1/4" Brass, Anti Siphon Vacuum Breaker.....	467.54	49.12
22 11 19 00-0057 EA 1-1/2" Brass, Anti Siphon Vacuum Breaker.....	558.51	54.44
22 11 19 00-0058 EA 2" Brass, Anti Siphon Vacuum Breaker.....	818.18	66.39
22 11 19 00-0059 EA 2-1/2" Brass, Anti Siphon Vacuum Breaker.....	2,150.31	82.99



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0060		Anti Siphon Pressure Vacuum Breakers (22 11 19) Note: Watts 800M4QT		
22 11 19 00-0061	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	366.92	33.19
22 11 19 00-0062	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	320.35	37.17
22 11 19 00-0063	EA	1" Anti Siphon Pressure Type Vacuum Breaker	458.69	42.48
22 11 19 00-0064	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	831.36	49.12
22 11 19 00-0065	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	1,012.54	54.44
22 11 19 00-0066	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,021.56	66.39
22 11 19 00-0067		Bellows Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0068	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	304.02	15.87
22 11 19 00-0069	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	593.40	19.21
22 11 19 00-0070	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	867.14	19.21
22 11 19 00-0071	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	2,116.86	19.21
22 11 19 00-0072	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,377.58	19.21
22 11 19 00-0073	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,913.65	19.21
22 11 19 00-0074		Piston Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0075		Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0074)		
22 11 19 00-0076	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	203.59	8.85
22 11 19 00-0077	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	392.20	10.21
22 11 19 00-0078	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	583.56	11.07
22 11 19 00-0079	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,437.78	14.28
22 11 19 00-0080	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,751.10	17.71
22 11 19 00-0081	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,992.79	19.21
22 11 19 00-0082		Escutcheons (22 11 19)		
22 11 19 00-0083		Brass Escutcheons (22 11 19 00-0082)		
22 11 19 00-0084		Shallow Brass Escutcheons (22 11 19 00-0083)		
22 11 19 00-0085	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	14.29	3.32
22 11 19 00-0086	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	15.34	3.32
22 11 19 00-0087		Deep Bell Brass Escutcheons (22 11 19 00-0083)		
22 11 19 00-0088	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.71	3.72
22 11 19 00-0089	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.75	3.72
22 11 19 00-0090		Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0083)		
22 11 19 00-0091	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.40	3.32
22 11 19 00-0092	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.65	3.32
22 11 19 00-0093	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.02	3.32
22 11 19 00-0094	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.38	3.32
22 11 19 00-0095	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.80	3.98
22 11 19 00-0096	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.13	3.98
22 11 19 00-0097	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	29.16	4.39
22 11 19 00-0098	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	30.51	4.65
22 11 19 00-0099	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	43.67	5.31
22 11 19 00-0100		Plastic Escutcheons (22 11 19 00-0082)		
22 11 19 00-0101		Split-Ring White Plastic Escutcheons (22 11 19 00-0100)		
22 11 19 00-0102	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	8.11	3.30
22 11 19 00-0103	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	8.11	3.30
22 11 19 00-0104	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	9.47	3.70
22 11 19 00-0105	EA	1" IPS, Split-Ring White Plastic Escutcheon	10.26	3.97
22 11 19 00-0106	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	11.05	4.36
22 11 19 00-0107	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	11.81	4.63
22 11 19 00-0108	EA	2" IPS, Split-Ring White Plastic Escutcheon	13.30	5.29
22 11 19 00-0109	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	17.10	5.68
22 11 19 00-0110	EA	3" IPS, Split-Ring White Plastic Escutcheon	20.91	5.94
22 11 19 00-0111	EA	4" IPS, Split-Ring White Plastic Escutcheon	25.35	6.61



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0112		Chrome Plate Plastic Escutcheons (22 11 19 00-0100)	
22 11 19 00-0113	EA	1/2" IPS, Chrome Plate Plastic Escutcheon.....	10.68 3.30
22 11 19 00-0114	EA	3/4" IPS, Chrome Plate Plastic Escutcheon.....	11.67 3.70
22 11 19 00-0115	EA	1" IPS, Chrome Plate Plastic Escutcheon.....	13.10 3.97
22 11 19 00-0116	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon.....	14.53 4.36
22 11 19 00-0117	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon.....	15.31 4.63
22 11 19 00-0118	EA	2" IPS, Chrome Plate Plastic Escutcheon.....	19.26 5.29
22 11 19 00-0119	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon.....	27.84 5.68
22 11 19 00-0120	EA	3" IPS, Chrome Plate Plastic Escutcheon.....	28.84 5.94
22 11 19 00-0121	EA	4" IPS, Chrome Plate Plastic Escutcheon.....	30.81 6.61
22 11 19 00-0122		Stainless Steel Escutcheons (22 11 19 00-0082)	
22 11 19 00-0123		Shallow Stainless Steel Escutcheons (22 11 19 00-0122)	
22 11 19 00-0124	EA	3/8" IPS, Shallow Stainless Steel Escutcheon.....	19.86 3.32
22 11 19 00-0125	EA	1/2" IPS, Shallow Stainless Steel Escutcheon.....	19.86 3.32
22 11 19 00-0126	EA	3/4" IPS, Shallow Stainless Steel Escutcheon.....	28.08 3.72
22 11 19 00-0127		Chrome Plated Steel Escutcheons (22 11 19 00-0082)	
22 11 19 00-0128		Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0127)	
22 11 19 00-0129	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.38 3.30
22 11 19 00-0130	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.04 3.70
22 11 19 00-0131	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.85 3.97
22 11 19 00-0132	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.51 4.36
22 11 19 00-0133	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	10.18 4.63
22 11 19 00-0134	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	11.72 5.29
22 11 19 00-0135	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	17.57 5.68
22 11 19 00-0136	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	18.66 5.94
22 11 19 00-0137	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	22.94 6.34
22 11 19 00-0138	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	20.35 6.61
22 11 19 00-0139	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	26.20 7.27
22 11 19 00-0140	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	30.54 7.93
22 11 19 00-0141		Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0127)	
22 11 19 00-0142	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	11.73 3.30
22 11 19 00-0143	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	11.73 3.30
22 11 19 00-0144	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	12.55 3.70
22 11 19 00-0145	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	13.41 3.97
22 11 19 00-0146	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	15.01 4.36
22 11 19 00-0147	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	15.89 4.63
22 11 19 00-0148	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	18.82 5.29
22 11 19 00-0149	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	21.63 5.68
22 11 19 00-0150	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	26.40 5.94
22 11 19 00-0151	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	32.40 6.34
22 11 19 00-0152	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	32.89 6.61
22 11 19 00-0153	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	54.16 7.27
22 11 19 00-0154	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	56.56 7.93
22 11 19 00-0155		Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0127)	
22 11 19 00-0156	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	9.03 3.72
22 11 19 00-0157	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.91 3.72
22 11 19 00-0158	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.64 3.72
22 11 19 00-0159	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	9.59 3.98
22 11 19 00-0160	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	10.41 4.39
22 11 19 00-0161	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	11.45 4.65
22 11 19 00-0162		Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0170)	
22 11 19 00-0163	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.13 3.32
22 11 19 00-0164	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.13 3.32
22 11 19 00-0165	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.26 3.32
22 11 19 00-0166	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.83 3.98
22 11 19 00-0167	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.55 4.39
22 11 19 00-0168	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	10.58 4.65
22 11 19 00-0169	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon.....	11.99 5.31
22 11 19 00-0170		Wall Hydrants (22 11 19)	
		Note: Female inlet connection, 3/4" hose thread outlet.	
22 11 19 00-0171		Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker	
		Wall Hydrants (22 11 19 00-0170)	
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0172	EA		6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add</i> <i>For 1" NPT Outlet, Add</i>	589.01 27.73 65.35	33.19
22 11 19 00-0173	EA		12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add</i> <i>For 1" NPT Outlet, Add</i>	627.48 27.73 65.35	39.83
22 11 19 00-0174	EA		18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add</i> <i>For 1" NPT Outlet, Add</i>	654.68 27.73 65.35	47.93
22 11 19 00-0175			Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0170) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0176	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant <i>For Cast Bronze Box, Add</i> <i>For 1" NPT Outlet, Add</i>	638.23 27.73 65.35	55.76
22 11 19 00-0177			Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0170) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0178	EA		3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i>	363.70 65.35	41.16
22 11 19 00-0179	EA		4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i>	433.90 65.35	41.16
22 11 19 00-0180	EA		6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i>	433.90 65.35	41.16
22 11 19 00-0181	EA		8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i>	433.90 65.35	41.16
22 11 19 00-0182	EA		10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i>	450.24 65.35	82.99
22 11 19 00-0183	EA		12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i>	450.24 65.35	82.99
22 11 19 00-0184	EA		18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... <i>For 1" NPT Outlet, Add</i>	499.11 65.35	82.99
22 11 19 00-0185			Stainless Steel Box Type Wall Hydrants (22 11 19 00-0170) Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0186	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	316.60	33.19
22 11 19 00-0187	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	341.09	33.19
22 11 19 00-0188	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	344.43	33.19
22 11 19 00-0189	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	381.17	33.19
22 11 19 00-0190	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)..... Note: Includes hot and cold hose connections.	526.88	46.47
22 11 19 00-0191	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)..... Note: Includes hot and cold hose connections.	541.35	46.47
22 11 19 00-0192	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)..... Note: Includes hot and cold hose connections.	541.35	46.47
22 11 19 00-0193	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)	575.86	46.47
22 11 19 00-0194			Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0195			Dryer Vent Kit (22 11 19 00-0194) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0196	EA		Dryer Vent Kit With Hood, 4" x 5" Flexible Vent And Clamps	90.53	17.26
22 11 19 00-0197			Washer Boxes And Dryer Vents (22 11 19 00-0194) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0198	EA		2" Diameter Washing Machine Outlet Box, Plastic, Two 1/2" Diameter Supply Valves	321.14	26.56
22 11 19 00-0199			Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0200	EA		Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount.....	171.03	26.56
22 11 19 00-0201	EA		Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	174.07	26.56
22 11 19 00-0202	EA		Steel Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount.....	253.28	26.56
22 11 19 00-0203			Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0204			Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0203) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0205	EA		1/2" Diameter Inlets, 1/2" Diameter Outlet, Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	597.36	32.14
22 11 19 00-0206	EA		1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	152.24	32.14
22 11 19 00-0207	EA		1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	338.20	32.14
22 11 19 00-0208	EA		3/4" Diameter Inlets, 3/4" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	387.36	43.29



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0209	Thermostatic Mixing Valves (Bradley) (22 11 19 00-0203) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0210	EA 3/4" Diameter Inlets, 3/4" Diameter Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,627.94	46.35
22 11 19 00-0211	EA 3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,826.55	57.09
22 11 19 00-0212	EA 1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,196.20	66.41
22 11 19 00-0213	EA 1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,849.21	69.79
22 11 19 00-0214	EA 2" Diameter Inlets, 2" Diameter Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,825.65	90.55
22 11 19 00-0215	High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0203) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0216	EA 3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,156.68	71.39
22 11 19 00-0217	EA 1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,411.53	83.01
22 11 19 00-0218	EA 1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,312.53	87.25
22 11 19 00-0219	EA 2" Diameter Inlets, 2" Diameter Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,991.02	113.20
22 11 19 00-0220	Thermostatic Mixing Valves (Leonard) (22 11 19 00-0203) Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0221	EA 3/4" Diameter In x 3/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-981-RF)	1,180.45	46.35
22 11 19 00-0222	EA 1" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-982-RF)	1,389.47	57.08
22 11 19 00-0223	EA 1-1/4" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-983-RF)	1,708.17	66.41
22 11 19 00-0224	EA 1-1/4" Diameter In x 1-1/2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-984-RF)	2,090.03	69.82
22 11 19 00-0225	EA 2" Diameter In x 2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-985-RF)	3,106.77	90.55
22 11 19 00-0226	Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0203) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0227	EA 3/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,432.32	66.39
22 11 19 00-0228	EA 1" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,637.40	83.65
22 11 19 00-0229	EA 1-1/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,006.86	100.90
22 11 19 00-0230	EA 1-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,411.07	118.17
22 11 19 00-0231	EA 2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,244.38	155.34
22 11 19 00-0232	EA 2-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	6,189.73	177.13
22 11 19 00-0233	Thermostatic Mixing Valves (Holby) (22 11 19 00-0203)		
22 11 19 00-0234	EA 2-1/2" Diameter, Thermostatic Mixing Valve (Holby HOLBY2500)	5,541.09	90.58
22 11 19 00-0235	Backflow Preventer Valves (22 11 19)		
22 11 19 00-0236	Double Check Valve Backflow Preventer Assemblies (22 11 19 00-0235)		
22 11 19 00-0237	Threaded Double Check Valve Assemblies (22 11 19 00-0236)		
22 11 19 00-0238	Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0237) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0239	EA 1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	504.04	35.58
	For Work In Restricted Working Space, Add	26.69	
	For Owner Furnished Material, Deduct	-415.09	
22 11 19 00-0240	EA 3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	594.73	50.45
	For Work In Restricted Working Space, Add	37.84	
	For Owner Furnished Material, Deduct	-468.60	
22 11 19 00-0241	EA 1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	685.68	61.61
	For Work In Restricted Working Space, Add	46.20	
	For Owner Furnished Material, Deduct	-531.67	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
22 11 19 00-0242	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	960.34		71.70
		For Work In Restricted Working Space, Add	53.77		
		For Owner Furnished Material, Deduct	-781.10		
22 11 19 00-0243	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,189.38		82.32
		For Work In Restricted Working Space, Add	61.34		
		For Owner Furnished Material, Deduct	-984.92		
22 11 19 00-0244	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,369.76		106.21
		For Work In Restricted Working Space, Add	79.66		
		For Owner Furnished Material, Deduct	-1,104.22		
22 11 19 00-0245		Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0237) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).			
22 11 19 00-0246	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	622.82		35.58
		For Work In Restricted Working Space, Add	26.69		
		For Owner Furnished Material, Deduct	-533.87		
22 11 19 00-0247	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	768.69		50.45
		For Work In Restricted Working Space, Add	37.84		
		For Owner Furnished Material, Deduct	-642.56		
22 11 19 00-0248	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	898.95		61.61
		For Work In Restricted Working Space, Add	46.20		
		For Owner Furnished Material, Deduct	-744.94		
22 11 19 00-0249	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,264.22		71.70
		For Work In Restricted Working Space, Add	53.77		
		For Owner Furnished Material, Deduct	-1,084.98		
22 11 19 00-0250	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,547.29		82.32
		For Work In Restricted Working Space, Add	61.34		
		For Owner Furnished Material, Deduct	-1,342.83		
22 11 19 00-0251	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,863.90		106.21
		For Work In Restricted Working Space, Add	79.66		
		For Owner Furnished Material, Deduct	-1,598.36		
22 11 19 00-0252		Flanged Double Check Valve Assemblies (22 11 19 00-0236)			
22 11 19 00-0253		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).			
22 11 19 00-0254	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	6,815.77		293.40
		For Work In Restricted Working Space, Add	117.36		
		For Owner Furnished Material, Deduct	-6,424.58		
22 11 19 00-0255	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	7,488.84		330.07
		For Work In Restricted Working Space, Add	130.19		
		For Owner Furnished Material, Deduct	-7,054.86		
22 11 19 00-0256		Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).			
22 11 19 00-0257	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	7,468.79		293.40
		For Work In Restricted Working Space, Add	117.36		
		For Owner Furnished Material, Deduct	-7,077.60		
22 11 19 00-0258	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	8,577.20		330.07
		For Work In Restricted Working Space, Add	130.19		
		For Owner Furnished Material, Deduct	-8,143.22		
22 11 19 00-0259		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).			
22 11 19 00-0260	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	6,862.86		293.40
		For Work In Restricted Working Space, Add	117.35		
		For Owner Furnished Material, Deduct	-6,471.69		
22 11 19 00-0261	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	5,231.47		330.07
		For Work In Restricted Working Space, Add	130.20		
		For Owner Furnished Material, Deduct	-4,797.48		
22 11 19 00-0262	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	8,190.57		488.99
		For Work In Restricted Working Space, Add	195.49		
		For Owner Furnished Material, Deduct	-7,538.93		
22 11 19 00-0263	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	12,418.67		707.25
		For Work In Restricted Working Space, Add	383.28		
		For Owner Furnished Material, Deduct	-11,141.06		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0264	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	28,410.69 575.02 -26,493.97	1,060.87
22 11 19 00-0265	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	36,497.82 684.43 -34,216.38	1,254.80
22 11 19 00-0266 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer (22 11 19 00-0252) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).				
22 11 19 00-0267	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,569.65 195.47 -8,918.07	488.99
22 11 19 00-0268	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,884.39 383.28 -14,606.78	707.25
22 11 19 00-0269	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	42,410.35 684.43 -40,128.91	1,254.80
22 11 19 00-0270 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).				
22 11 19 00-0271	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,290.08 117.35 -6,898.91	293.40
22 11 19 00-0272	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,010.27 130.19 -7,576.29	330.07
22 11 19 00-0273	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,690.83 195.47 -8,039.25	488.99
22 11 19 00-0274	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,545.87 383.28 -13,268.26	707.25
22 11 19 00-0275	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	30,176.99 574.93 -28,260.57	1,060.87
22 11 19 00-0276	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	38,777.25 684.43 -36,495.81	1,254.80
22 11 19 00-0277 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).				
22 11 19 00-0278	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,338.67 117.35 -3,947.50	293.40
22 11 19 00-0279	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,776.46 130.19 -4,342.48	330.07
22 11 19 00-0280	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,389.04 195.47 -4,737.46	488.99
22 11 19 00-0281	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,685.29 383.28 -7,407.68	707.25
22 11 19 00-0282	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,562.03 574.93 -14,645.61	1,060.87
22 11 19 00-0283	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,953.28 684.43 -15,671.84	1,254.80



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0284 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0285 EA 2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	5,739.33	293.40
For Work In Restricted Working Space, Add	117.35	
For Owner Furnished Material, Deduct	-5,348.16	
22 11 19 00-0286 EA 3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	6,177.12	330.07
For Work In Restricted Working Space, Add	130.19	
For Owner Furnished Material, Deduct	-5,743.14	
22 11 19 00-0287 EA 4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	7,729.58	488.99
For Work In Restricted Working Space, Add	195.47	
For Owner Furnished Material, Deduct	-7,078.00	
22 11 19 00-0288 EA 6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	12,603.47	707.25
For Work In Restricted Working Space, Add	383.28	
For Owner Furnished Material, Deduct	-11,325.86	
22 11 19 00-0289 EA 8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	22,369.17	1,060.87
For Work In Restricted Working Space, Add	574.93	
For Owner Furnished Material, Deduct	-20,452.75	
22 11 19 00-0290 EA 10" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	26,618.99	1,254.80
For Work In Restricted Working Space, Add	684.43	
For Owner Furnished Material, Deduct	-24,337.55	
22 11 19 00-0291 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves (22 11 19 00-0252) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0292 EA 2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	4,060.09	293.40
For Work In Restricted Working Space, Add	117.35	
For Owner Furnished Material, Deduct	-3,668.92	
22 11 19 00-0293 EA 3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	4,510.54	330.07
For Work In Restricted Working Space, Add	130.19	
For Owner Furnished Material, Deduct	-4,076.56	
22 11 19 00-0294 EA 4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	5,135.63	488.99
For Work In Restricted Working Space, Add	195.47	
For Owner Furnished Material, Deduct	-4,484.05	
22 11 19 00-0295 EA 6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	8,486.22	707.25
For Work In Restricted Working Space, Add	383.28	
For Owner Furnished Material, Deduct	-7,208.61	
22 11 19 00-0296 EA 8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	16,370.18	1,060.87
For Work In Restricted Working Space, Add	574.93	
For Owner Furnished Material, Deduct	-14,453.76	
22 11 19 00-0297 EA 10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	18,488.93	1,254.80
For Work In Restricted Working Space, Add	684.43	
For Owner Furnished Material, Deduct	-16,207.49	
22 11 19 00-0298 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0299 EA 2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	5,343.30	293.40
For Work In Restricted Working Space, Add	117.35	
For Owner Furnished Material, Deduct	-4,952.13	
22 11 19 00-0300 EA 3" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	5,781.08	330.07
For Work In Restricted Working Space, Add	130.19	
For Owner Furnished Material, Deduct	-5,347.10	
22 11 19 00-0301 EA 4" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	7,334.04	488.99
For Work In Restricted Working Space, Add	195.47	
For Owner Furnished Material, Deduct	-6,682.46	
22 11 19 00-0302 EA 6" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	12,182.18	707.25
For Work In Restricted Working Space, Add	383.28	
For Owner Furnished Material, Deduct	-10,904.57	
22 11 19 00-0303 EA 8" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	21,731.50	1,060.87
For Work In Restricted Working Space, Add	574.93	
For Owner Furnished Material, Deduct	-19,815.08	
22 11 19 00-0304 EA 10" Diameter, Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	25,979.45	1,254.80
For Work In Restricted Working Space, Add	684.43	
For Owner Furnished Material, Deduct	-23,698.01	
22 11 19 00-0305 Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0252) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0306	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,718.95	293.40
		For Work In Restricted Working Space, Add	117.35	
		For Owner Furnished Material, Deduct	-4,327.78	
22 11 19 00-0307	EA	3" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,156.74	330.07
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-4,722.76	
22 11 19 00-0308	EA	4" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,769.32	488.99
		For Work In Restricted Working Space, Add	195.47	
		For Owner Furnished Material, Deduct	-5,117.74	
22 11 19 00-0309	EA	6" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	9,075.15	707.25
		For Work In Restricted Working Space, Add	383.28	
		For Owner Furnished Material, Deduct	-7,797.54	
22 11 19 00-0310	EA	8" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	16,951.89	1,060.87
		For Work In Restricted Working Space, Add	574.93	
		For Owner Furnished Material, Deduct	-15,035.47	
22 11 19 00-0311		N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0312	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	6,119.61	293.40
		For Work In Restricted Working Space, Add	117.35	
		For Owner Furnished Material, Deduct	-5,728.44	
22 11 19 00-0313	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	6,557.39	330.07
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-6,123.41	
22 11 19 00-0314	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	8,109.86	488.99
		For Work In Restricted Working Space, Add	195.47	
		For Owner Furnished Material, Deduct	-7,458.28	
22 11 19 00-0315	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	12,993.41	707.25
		For Work In Restricted Working Space, Add	383.28	
		For Owner Furnished Material, Deduct	-11,715.80	
22 11 19 00-0316	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	16,951.89	1,060.87
		For Work In Restricted Working Space, Add	574.93	
		For Owner Furnished Material, Deduct	-15,035.47	
22 11 19 00-0317		Grooved Double Check Valve Assemblies (22 11 19 00-0236)		
22 11 19 00-0318		Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0317) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0319	EA	2-1/2" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	4,060.09	156.48
		For Work In Restricted Working Space, Add	117.35	
		For Owner Furnished Material, Deduct	-3,668.92	
22 11 19 00-0320	EA	3" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	4,510.54	173.59
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-4,076.56	
22 11 19 00-0321		N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0317) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0322	EA	2-1/2" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	5,343.30	156.48
		For Work In Restricted Working Space, Add	117.35	
		For Owner Furnished Material, Deduct	-4,952.13	
22 11 19 00-0323	EA	3" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	5,781.08	173.59
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-5,347.10	
22 11 19 00-0324		Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0235)		
22 11 19 00-0325		Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0324)		
22 11 19 00-0326		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0325) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0327	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	559.80	30.80
		For Work In Restricted Working Space, Add	23.10	
		For Owner Furnished Material, Deduct	-482.79	
22 11 19 00-0328	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	591.20	33.99
		For Work In Restricted Working Space, Add	25.49	
		For Owner Furnished Material, Deduct	-506.23	
22 11 19 00-0329	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	688.62	35.58
		For Work In Restricted Working Space, Add	26.69	
		For Owner Furnished Material, Deduct	-599.67	
22 11 19 00-0330	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	924.78	50.45
		For Work In Restricted Working Space, Add	37.84	
		For Owner Furnished Material, Deduct	-798.65	
22 11 19 00-0331	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,097.20	61.61
		For Work In Restricted Working Space, Add	46.20	
		For Owner Furnished Material, Deduct	-943.19	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0332 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,658.82 53.77 -1,479.58	71.70
22 11 19 00-0333 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,753.63 61.34 -1,549.17	82.32
22 11 19 00-0334 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	2,103.87 79.66 -1,838.33	106.21
22 11 19 00-0335 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0325) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0336 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	618.24 23.10 -541.23	30.80
22 11 19 00-0337 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	652.79 25.49 -567.82	33.99
22 11 19 00-0338 EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	773.03 26.69 -684.08	50.45
22 11 19 00-0339 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,057.44 37.84 -931.31	50.45
22 11 19 00-0340 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,263.07 46.20 -1,109.06	61.61
22 11 19 00-0341 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,885.03 53.77 -1,705.79	71.70
22 11 19 00-0342 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	2,072.86 61.34 -1,868.40	82.32
22 11 19 00-0343 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	2,495.53 79.66 -2,229.99	106.21
22 11 19 00-0344 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0325) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0345 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	924.78 37.84 -798.65	50.45
22 11 19 00-0346 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,097.20 46.20 -943.19	61.61
22 11 19 00-0347 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,658.82 53.77 -1,479.58	71.70
22 11 19 00-0348 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,753.63 61.34 -1,549.17	82.32
22 11 19 00-0349 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	2,103.87 79.66 -1,838.33	106.21
22 11 19 00-0350 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0325) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0351 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,057.44 37.84 -931.31	50.45
22 11 19 00-0352 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,263.07 46.20 -1,109.06	61.61



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0353	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,885.03	71.70
		For Work In Restricted Working Space, Add	53.77	
		For Owner Furnished Material, Deduct	-1,705.79	
22 11 19 00-0354	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,072.86	82.32
		For Work In Restricted Working Space, Add	61.34	
		For Owner Furnished Material, Deduct	-1,868.40	
22 11 19 00-0355	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,495.53	106.21
		For Work In Restricted Working Space, Add	79.66	
		For Owner Furnished Material, Deduct	-2,229.99	
22 11 19 00-0356 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0325)				
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).				
22 11 19 00-0357	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,910.06	50.45
		For Work In Restricted Working Space, Add	37.84	
		For Owner Furnished Material, Deduct	-1,783.93	
22 11 19 00-0358	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,260.79	61.61
		For Work In Restricted Working Space, Add	46.20	
		For Owner Furnished Material, Deduct	-2,106.78	
22 11 19 00-0359	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,479.81	71.70
		For Work In Restricted Working Space, Add	53.77	
		For Owner Furnished Material, Deduct	-3,300.57	
22 11 19 00-0360	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,761.81	82.32
		For Work In Restricted Working Space, Add	61.34	
		For Owner Furnished Material, Deduct	-3,557.35	
22 11 19 00-0361	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	4,363.47	106.21
		For Work In Restricted Working Space, Add	79.66	
		For Owner Furnished Material, Deduct	-4,097.93	
22 11 19 00-0362 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0325)				
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).				
22 11 19 00-0363	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,573.18	50.45
		For Work In Restricted Working Space, Add	37.84	
		For Owner Furnished Material, Deduct	-2,447.05	
22 11 19 00-0364	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	3,058.75	61.61
		For Work In Restricted Working Space, Add	46.20	
		For Owner Furnished Material, Deduct	-2,904.74	
22 11 19 00-0365	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,664.29	71.70
		For Work In Restricted Working Space, Add	53.77	
		For Owner Furnished Material, Deduct	-4,485.05	
22 11 19 00-0366	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	5,094.95	82.32
		For Work In Restricted Working Space, Add	61.34	
		For Owner Furnished Material, Deduct	-4,890.49	
22 11 19 00-0367	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	6,051.60	106.21
		For Work In Restricted Working Space, Add	79.66	
		For Owner Furnished Material, Deduct	-5,786.06	
22 11 19 00-0368 Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0324)				
22 11 19 00-0369 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0368)				
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).				
22 11 19 00-0370	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,268.34	293.40
		For Work In Restricted Working Space, Add	117.36	
		For Owner Furnished Material, Deduct	-5,877.15	
22 11 19 00-0371	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	7,063.24	330.07
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-6,629.26	
22 11 19 00-0372 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer (22 11 19 00-0368)				
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).				
22 11 19 00-0373	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	7,473.66	293.40
		For Work In Restricted Working Space, Add	117.36	
		For Owner Furnished Material, Deduct	-7,082.47	
22 11 19 00-0374	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	8,463.49	330.07
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-8,029.51	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0375		Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0368) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0376	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,729.68	293.40
		For Work In Restricted Working Space, Add	117.36	
		For Owner Furnished Material, Deduct	-6,338.49	
22 11 19 00-0377	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	7,829.96	330.07
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-7,395.98	
22 11 19 00-0378		Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer (22 11 19 00-0368) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0379	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	7,473.66	293.40
		For Work In Restricted Working Space, Add	117.36	
		For Owner Furnished Material, Deduct	-7,082.47	
22 11 19 00-0380	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	8,463.49	330.07
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-8,029.51	
22 11 19 00-0381		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0368) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0382	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	8,297.24	293.40
		For Work In Restricted Working Space, Add	117.36	
		For Owner Furnished Material, Deduct	-7,906.05	
22 11 19 00-0383	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	9,602.21	330.07
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-9,168.23	
22 11 19 00-0384		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0368) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0385	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	10,769.59	293.40
		For Work In Restricted Working Space, Add	117.35	
		For Owner Furnished Material, Deduct	-10,378.42	
22 11 19 00-0386	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	12,235.40	330.07
		For Work In Restricted Working Space, Add	130.20	
		For Owner Furnished Material, Deduct	-11,801.41	
22 11 19 00-0387	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	15,404.62	488.99
		For Work In Restricted Working Space, Add	195.49	
		For Owner Furnished Material, Deduct	-14,752.98	
22 11 19 00-0388	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	23,224.37	707.25
		For Work In Restricted Working Space, Add	536.63	
		For Owner Furnished Material, Deduct	-21,435.60	
22 11 19 00-0389	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	38,531.26	1,060.87
		For Work In Restricted Working Space, Add	804.95	
		For Owner Furnished Material, Deduct	-35,848.11	
22 11 19 00-0390	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	49,761.45	1,254.80
		For Work In Restricted Working Space, Add	684.43	
		For Owner Furnished Material, Deduct	-47,480.01	
22 11 19 00-0391		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer (22 11 19 00-0368) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0392	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	11,606.17	293.40
		For Work In Restricted Working Space, Add	117.35	
		For Owner Furnished Material, Deduct	-11,215.00	
22 11 19 00-0393	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	13,115.83	330.07
		For Work In Restricted Working Space, Add	130.19	
		For Owner Furnished Material, Deduct	-12,681.85	
22 11 19 00-0394	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	16,754.46	488.99
		For Work In Restricted Working Space, Add	195.47	
		For Owner Furnished Material, Deduct	-16,102.88	
22 11 19 00-0395	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	25,254.05	707.25
		For Work In Restricted Working Space, Add	383.28	
		For Owner Furnished Material, Deduct	-23,976.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0396 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	40,901.44	1,060.87
For Work In Restricted Working Space, Add	574.93	
For Owner Furnished Material, Deduct	-38,985.02	
22 11 19 00-0397 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	55,520.80	1,254.80
For Work In Restricted Working Space, Add	684.43	
For Owner Furnished Material, Deduct	-53,239.36	
22 11 19 00-0398 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0368)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0399 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	11,458.34	293.40
For Work In Restricted Working Space, Add	117.35	
For Owner Furnished Material, Deduct	-11,067.17	
22 11 19 00-0400 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	13,024.87	330.07
For Work In Restricted Working Space, Add	130.20	
For Owner Furnished Material, Deduct	-12,590.88	
22 11 19 00-0401 EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	16,385.77	488.99
For Work In Restricted Working Space, Add	195.49	
For Owner Furnished Material, Deduct	-15,734.13	
22 11 19 00-0402 EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	24,143.48	707.25
For Work In Restricted Working Space, Add	383.28	
For Owner Furnished Material, Deduct	-22,865.87	
22 11 19 00-0403 EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	40,155.51	1,060.87
For Work In Restricted Working Space, Add	574.93	
For Owner Furnished Material, Deduct	-38,239.09	
22 11 19 00-0404 EA 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	52,925.01	1,254.80
For Work In Restricted Working Space, Add	684.43	
For Owner Furnished Material, Deduct	-50,643.57	
22 11 19 00-0405 Double Check Detector Assemblies (22 11 19 00-0235)		
22 11 19 00-0406 Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0405)		
22 11 19 00-0407 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0406)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0408 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,593.52	330.07
For Work In Restricted Working Space, Add	130.19	
For Owner Furnished Material, Deduct	-8,159.54	
22 11 19 00-0409 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	9,000.45	488.99
For Work In Restricted Working Space, Add	195.47	
For Owner Furnished Material, Deduct	-8,348.87	
22 11 19 00-0410 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	12,118.91	707.25
For Work In Restricted Working Space, Add	383.28	
For Owner Furnished Material, Deduct	-10,841.30	
22 11 19 00-0411 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	21,512.69	1,060.87
For Work In Restricted Working Space, Add	574.93	
For Owner Furnished Material, Deduct	-19,596.27	
22 11 19 00-0412 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	29,062.93	1,254.80
For Work In Restricted Working Space, Add	684.43	
For Owner Furnished Material, Deduct	-26,781.49	
22 11 19 00-0413 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0406)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0414 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,436.06	293.40
For Work In Restricted Working Space, Add	117.36	
For Owner Furnished Material, Deduct	-6,044.87	
22 11 19 00-0415 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,873.42	330.07
For Work In Restricted Working Space, Add	130.19	
For Owner Furnished Material, Deduct	-6,439.44	
22 11 19 00-0416 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	7,495.34	488.99
For Work In Restricted Working Space, Add	195.47	
For Owner Furnished Material, Deduct	-6,843.76	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0417 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	10,164.16	707.25
For Work In Restricted Working Space, Add	383.28	
For Owner Furnished Material, Deduct	-8,886.55	
22 11 19 00-0418 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	17,979.66	1,060.87
For Work In Restricted Working Space, Add	574.93	
For Owner Furnished Material, Deduct	-16,063.24	
22 11 19 00-0419 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	21,201.79	1,254.80
For Work In Restricted Working Space, Add	684.43	
For Owner Furnished Material, Deduct	-18,920.35	
22 11 19 00-0420 Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0406) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0421 EA 2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	6,816.42	293.40
For Work In Restricted Working Space, Add	117.36	
For Owner Furnished Material, Deduct	-6,425.23	
22 11 19 00-0422 EA 3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	7,253.78	330.07
For Work In Restricted Working Space, Add	130.19	
For Owner Furnished Material, Deduct	-6,819.80	
22 11 19 00-0423 EA 4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	7,875.62	488.99
For Work In Restricted Working Space, Add	195.47	
For Owner Furnished Material, Deduct	-7,224.04	
22 11 19 00-0424 EA 6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	10,554.02	707.25
For Work In Restricted Working Space, Add	383.28	
For Owner Furnished Material, Deduct	-9,276.41	
22 11 19 00-0425 EA 8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	17,511.91	1,060.87
For Work In Restricted Working Space, Add	574.93	
For Owner Furnished Material, Deduct	-15,595.49	
22 11 19 00-0426 Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0405)		
22 11 19 00-0427 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter (22 11 19 00-0426) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0428 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	6,315.97	293.40
For Work In Restricted Working Space, Add	117.36	
22 11 19 00-0429 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	6,753.38	330.07
For Work In Restricted Working Space, Add	130.19	
22 11 19 00-0430 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	7,375.30	488.99
For Work In Restricted Working Space, Add	195.47	
22 11 19 00-0431 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	10,044.12	707.25
For Work In Restricted Working Space, Add	383.28	
22 11 19 00-0432 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	17,859.70	1,060.87
For Work In Restricted Working Space, Add	574.93	
22 11 19 00-0433 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	21,081.66	1,254.80
For Work In Restricted Working Space, Add	684.43	
22 11 19 00-0434 Double Check Detector Assembly With Butterfly Valves Less Meter (22 11 19 00-0426) Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0435 EA 2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	6,696.29	293.40
For Work In Restricted Working Space, Add	117.36	
22 11 19 00-0436 EA 3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	7,133.66	330.07
For Work In Restricted Working Space, Add	130.19	
22 11 19 00-0437 EA 4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	7,755.57	488.99
For Work In Restricted Working Space, Add	195.47	
22 11 19 00-0438 EA 6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	10,433.90	707.25
For Work In Restricted Working Space, Add	383.28	
22 11 19 00-0439 EA 8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	18,249.56	1,060.87
For Work In Restricted Working Space, Add	574.93	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0440		Backflow Preventer Accessories (22 11 19 00-0235)		
22 11 19 00-0441		Air Gap (22 11 19 00-0440)		
22 11 19 00-0442	EA	Up To 1" Diameter Air Gap For Backflow Preventer	143.65	16.60
22 11 19 00-0443	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	176.78	19.92
22 11 19 00-0444	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	331.87	26.56
22 11 19 00-0445	EA	4" To 6" Diameter Air Gap For Backflow Preventer	656.41	46.47
22 11 19 00-0446	EA	8" To 10" Diameter Air Gap For Backflow Preventer	696.24	66.39
22 11 19 00-0447		Brass Test Cocks (22 11 19 00-0440)		
22 11 19 00-0448	EA	1/8" Or 1/4" Brass Test Cock	58.48	6.64
22 11 19 00-0449		Backflow Valve Enclosures (22 11 19 00-0235)		
22 11 19 00-0450		Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0449) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0451	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,654.71	119.49
		For Heated Enclosure, Add	203.40	
22 11 19 00-0452	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,034.13	119.49
		For Heated Enclosure, Add	260.31	
22 11 19 00-0453	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,577.92	110.02
		For Heated Enclosure, Add	345.43	
22 11 19 00-0454	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,679.50	146.70
		For Heated Enclosure, Add	346.91	
22 11 19 00-0455	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,808.17	146.70
		For Heated Enclosure, Add	366.21	
22 11 19 00-0456	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,309.65	146.70
		For Heated Enclosure, Add	441.44	
22 11 19 00-0457	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,322.85	146.70
		For Heated Enclosure, Add	443.42	
22 11 19 00-0458	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,177.35	146.70
		For Heated Enclosure, Add	571.59	
22 11 19 00-0459	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	9,619.70	220.05
		For Heated Enclosure, Add	1,360.44	
22 11 19 00-0460	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,931.80	220.05
		For Heated Enclosure, Add	2,007.25	
22 11 19 00-0461	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,238.96	220.05
		For Heated Enclosure, Add	1,903.33	
22 11 19 00-0462	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	15,940.33	256.72
		For Heated Enclosure, Add	2,294.78	
22 11 19 00-0463		One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0449) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0464	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	877.92	31.86
		For Heated Enclosure, Add	164.96	
22 11 19 00-0465	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,227.64	31.86
		For Heated Enclosure, Add	234.91	
22 11 19 00-0466	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,546.75	29.34
		For Heated Enclosure, Add	299.57	
22 11 19 00-0467	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,345.16	29.34
		For Heated Enclosure, Add	459.25	
22 11 19 00-0468	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,083.09	55.01
		For Heated Enclosure, Add	1,198.28	
22 11 19 00-0469	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,316.67	55.01
		For Heated Enclosure, Add	1,645.00	
22 11 19 00-0470	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,528.82	55.01
		For Heated Enclosure, Add	1,087.43	
22 11 19 00-0471	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,261.25	55.01
		For Heated Enclosure, Add	1,233.91	
22 11 19 00-0472	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	9,814.52	55.01
		For Heated Enclosure, Add	1,944.57	
22 11 19 00-0473		Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0449) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0474	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	12,466.94	220.05
		For Heated Enclosure, Add	1,787.52	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0475	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	13,743.74	220.05
		For Heated Enclosure, Add	1,979.04	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0476	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	9,774.77	220.05
		For Heated Enclosure, Add	1,383.70	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0477	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	10,718.35	220.05	
		For Heated Enclosure, Add	1,525.23		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0478	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	12,475.45	293.40	
		For Heated Enclosure, Add	1,761.29		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0479	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	13,986.50	293.40	
		For Heated Enclosure, Add	1,987.95		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0480	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	13,986.50	293.40	
		For Heated Enclosure, Add	1,987.95		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0481	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	15,451.35	293.40	
		For Heated Enclosure, Add	2,207.68		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0482	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	11,605.14	256.72	
		For Heated Enclosure, Add	1,644.50		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0483	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	13,587.29	293.40	
		For Heated Enclosure, Add	1,928.07		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0484	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	15,873.66	293.40	
		For Heated Enclosure, Add	2,271.03		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0485	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	17,423.95	311.73	
		For Heated Enclosure, Add	2,496.69		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0486	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	17,803.36	311.73	
		For Heated Enclosure, Add	2,553.60		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0487	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	19,736.37	330.07	
		For Heated Enclosure, Add	2,836.68		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0488	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	20,491.89	330.07	
		For Heated Enclosure, Add	2,950.01		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0489	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	14,883.89	293.40	
		For Heated Enclosure, Add	2,122.56		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0490	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	15,863.76	293.40	
		For Heated Enclosure, Add	2,269.54		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0491	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	17,948.52	311.73	
		For Heated Enclosure, Add	2,575.38		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0492	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	21,748.90	330.07	
		For Heated Enclosure, Add	3,138.56		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0493	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	18,980.84	330.07	
		For Heated Enclosure, Add	2,723.35		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0494	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	22,804.30	348.41	
		For Heated Enclosure, Add	3,289.99		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0495	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	22,048.78	348.41	
		For Heated Enclosure, Add	3,176.66		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0496	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	25,535.71	366.74	
		For Heated Enclosure, Add	3,692.83		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		
22 11 19 00-0497	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	23,605.66	366.74	
		For Heated Enclosure, Add	3,403.32		
		For One 24" Fluorescent Light Fixture, Add	851.43		
		For Two 24" Fluorescent Light Fixture, Add	1,523.60		

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0498	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	27,541.31 3,986.79 851.43 1,523.60	385.08
22 11 19 00-0499	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	27,587.15 3,986.79 851.43 1,523.60	403.42
22 11 19 00-0500	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	32,697.30 4,746.44 851.43 1,523.60	421.76
22 11 19 00-0501		Faucets (Hose Bibbs) (22 11 19)		
22 11 19 00-0502		Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0501)		
22 11 19 00-0503	EA	1/2" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	71.26	13.28
22 11 19 00-0504	EA	3/4" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	82.42	14.61
22 11 19 00-0505	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	20.99	9.96
22 11 19 00-0506		Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0501)		
22 11 19 00-0507	EA	3/4" Diameter, Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	235.90	40.62
22 11 19 00-0508		Antisiphon Freezeless Wall Faucet (Woodford 19CP) (22 11 19 00-0501)		
22 11 19 00-0509	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	149.71	33.19
22 11 19 00-0510	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	162.62	36.78
22 11 19 00-0511	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	172.21	38.90
22 11 19 00-0512	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	181.79	41.69
22 11 19 00-0513	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	191.52	44.21
22 11 19 00-0514		Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0515	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	378.60	39.64
22 11 19 00-0516	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	421.36	39.64
22 11 19 00-0517	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	485.51	39.64
22 11 19 00-0518	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	469.18	52.86
22 11 19 00-0519	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	533.32	52.86
22 11 19 00-0520	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	552.56	52.86
22 11 19 00-0521	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	447.02	39.64
22 11 19 00-0522	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	541.10	39.64
22 11 19 00-0523	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	624.48	39.64
22 11 19 00-0524	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	588.91	52.86
22 11 19 00-0525	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	672.30	52.86
22 11 19 00-0526	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	704.37	52.86
22 11 23		Domestic Water Pumps (22 11)		
22 11 23 13		Domestic Water Packaged Booster Pumps (22 11 23)		
Note: Includes motor starter and controls.				
22 11 23 13-0001		Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	16,896.58	391.19
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,475.79	525.66
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,176.52	660.14
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,816.50	794.61
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,793.14	929.08
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	23,073.58	1,063.56
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	24,624.92	1,198.03
22 11 23 13-0009		Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	45,102.96	1,587.31
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	54,492.03	1,686.52
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	63,919.81	1,785.72
22 11 23 13-0013		Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	59,671.65	1,686.52
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	74,527.40	1,785.72
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	92,807.30	1,984.14
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	117,821.47	2,182.55
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	142,835.64	2,380.97
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	166,471.02	2,678.59
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	190,106.41	2,976.21
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	213,741.81	3,273.83
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	237,625.21	3,670.66



Plumbing			22	22
Plumbing Piping			22 10	
Facility Water Distribution			22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)		
22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)		
Note: ODP motor.		
22 11 23 23-0002 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	1,207.60	220.05
22 11 23 23-0003 EA 1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	1,239.81	220.05
22 11 23 23-0004 EA 1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	1,297.64	224.32
22 11 23 23-0005 EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	1,430.24	233.49
22 11 23 23-0006 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	2,565.94	242.16
22 11 23 23-0007 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	2,737.37	242.16
22 11 23 23-0008 EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	4,092.49	266.63
22 11 23 23-0009 EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	4,267.44	292.92
22 11 23 23-0010 EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	5,167.05	322.27
22 11 23 23-0011 EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	5,280.77	354.69
22 11 23 23-0012 EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	5,775.02	389.55
22 11 23 23-0013 EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	8,277.74	428.68
22 11 23 23-0014 EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	9,536.19	449.48
22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)		
Note: ODP motor.		
22 11 23 23-0016 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	1,257.89	220.05
22 11 23 23-0017 EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	2,106.30	220.05
22 11 23 23-0018 EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,115.15	224.32
22 11 23 23-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,151.73	229.22
22 11 23 23-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	2,160.28	233.49
22 11 23 23-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	2,200.92	242.16
22 11 23 23-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	2,690.72	266.63
22 11 23 23-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	3,471.94	322.27
22 11 23 23-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	3,657.58	354.69
22 11 23 23-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	4,269.63	389.55
22 11 23 23-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	5,763.85	428.68
22 11 23 23-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	6,739.64	449.48
22 11 23 23-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,049.34	472.10
22 11 23 23-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,502.71	518.94
22 11 23 23-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	7,144.09	550.38
22 11 23 23-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,052.93	611.53
22 11 23 23-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,600.99	733.96
22 11 23 23-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	12,248.42	856.51
22 12 Facility Potable-Water Storage Tanks (22 10)		
22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)		
22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)		
22 12 19 00-0002 EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	45,105.87	10,084.65
22 12 19 00-0003 EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	51,457.64	10,084.65
22 12 19 00-0004 EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	93,231.61	15,562.76
22 12 19 00-0005 EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	120,323.80	20,169.32
22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)		
22 12 19 00-0007 EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	54,515.89	10,084.65
22 12 19 00-0008 EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	76,629.44	10,084.65
22 12 19 00-0009 EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	114,087.48	15,562.76
22 12 19 00-0010 EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	164,787.31	20,169.32
22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)		
22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)		
22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)		
22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,890.79	488.99
22 12 23 13-0003 EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	3,581.16	611.24
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	6,621.22	672.36
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	7,322.57	733.49
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	14,562.33	794.61
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	12,543.58	855.73
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	21,546.14	916.86
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	19,852.14	977.98
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	21,566.96	1,039.10

22 Plumbing**22 10 Plumbing Piping****22 12 Facility Potable-Water Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	25,700.24	1,100.23
22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)		
22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,472.06	488.99
22 12 23 13-0014 EA 120 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	4,760.54	611.24
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	5,955.27	672.36
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	7,363.79	733.49
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	6,251.17	733.49
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	9,676.32	794.61
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	10,472.50	855.73
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	9,967.05	855.73
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	9,092.71	855.73
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	12,448.05	916.86
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	13,504.24	977.98
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	15,680.80	1,039.10
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	29,444.08	1,100.23
22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)		
22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)		
Note: Excludes excavation and backfill.		
22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	782.98	275.06
For Saddle Assembly, Add	872.33	
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	917.14	320.90
For Saddle Assembly, Add	872.33	
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,087.80	366.74
For Saddle Assembly, Add	996.48	
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,324.20	412.59
For Saddle Assembly, Add	1,480.91	
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,587.37	458.43
For Two Tie Down Bands, Add	502.00	
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,027.69	606.26
For Two Tie Down Bands, Add	536.08	
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,032.12	707.30
For Three Tie Down Bands, Add	913.66	
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,376.25	808.35
For Three Tie Down Bands, Add	920.97	
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	5,462.79	909.39
For Four Tie Down Bands, Add	1,247.42	
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	6,399.51	1,010.44
For Four Tie Down Bands, Add	1,744.02	
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	9,150.00	1,111.48
For Four Tie Down Bands, Add	2,289.30	
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	10,599.24	1,212.53
For Four Tie Down Bands, Add	2,474.31	
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	15,225.56	1,616.70
For Four Tie Down Bands, Add	2,795.64	
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	19,699.58	1,616.70
For Five Tie Down Bands, Add	4,383.07	
22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)		
22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	856.55	366.74
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,030.73	389.66
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,131.89	412.59
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,370.72	458.43
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,563.56	550.12
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,846.47	641.80
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,548.09	808.35
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,299.53	1,010.44
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,435.60	1,212.53
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,800.47	1,414.61
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,535.88	1,616.70
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,558.52	1,818.79
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,103.53	2,020.88
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	14,439.22	2,222.96
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	16,636.63	2,425.05
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	18,792.65	2,627.14
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	23,261.28	2,829.23
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	27,987.17	3,233.40

22 13 Facility Sanitary Sewerage (22 10)**22 13 16 Sanitary Waste and Vent Piping (22 13)****22 13 16 00-0001 Cast Iron Soil Pipe Assemblies (22 13 16)**



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)		
Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003 LF 2" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	35.76	7.70
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	5.65	
22 13 16 00-0004 LF 3" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	50.90	11.61
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	7.67	
22 13 16 00-0005 LF 4" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	65.98	14.79
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	9.86	
22 13 16 00-0006 LF 5" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	76.09	17.79
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	10.01	
22 13 16 00-0007 LF 6" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	89.08	19.39
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	11.12	
22 13 16 00-0008 LF 8" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	140.58	27.66
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	15.66	
22 13 16 00-0009 LF 10" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	204.06	27.66
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	17.73	
22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)		
Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011 LF 1-1/2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly	37.55	7.34
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.44	
22 13 16 00-0012 LF 2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly	39.78	7.82
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.92	
22 13 16 00-0013 LF 3" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly	51.10	11.37
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	8.49	
22 13 16 00-0014 LF 4" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly	61.72	14.79
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	10.15	
22 13 16 00-0015 LF 5" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly	80.09	17.45
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	11.84	
22 13 16 00-0016 LF 6" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly	91.67	19.05
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	12.91	
22 13 16 00-0017 LF 8" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly	144.50	27.43
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	17.86	
22 13 16 00-0018 LF 10" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly	208.54	31.17
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	20.75	
22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16)		
Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020 Bell And Spigot Cast Iron Pipe (22 13 16 00-0019)		
Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021 LF 2" Diameter, Bell And Spigot Cast Iron Pipe.....	25.19	7.70
<i>For Extra Heavy Pipe, Add</i>	5.69	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	3.49	
22 13 16 00-0022 LF 3" Diameter, Bell And Spigot Cast Iron Pipe.....	36.89	11.61
<i>For Extra Heavy Pipe, Add</i>	8.16	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.87	
<i>For Work In Restricted Working Space, Add</i>	5.24	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0023 LF 4" Diameter, Bell And Spigot Cast Iron Pipe.....	47.48	14.79
For Extra Heavy Pipe, Add	10.61	
For Above Ground Cast Iron Pipe Installation, Add	1.11	
For Work In Restricted Working Space, Add	6.67	
22 13 16 00-0024 LF 5" Diameter, Bell And Spigot Cast Iron Pipe.....	62.27	17.79
For Extra Heavy Pipe, Add	14.97	
For Above Ground Cast Iron Pipe Installation, Add	1.33	
For Work In Restricted Working Space, Add	7.99	
22 13 16 00-0025 LF 6" Diameter, Bell And Spigot Cast Iron Pipe.....	72.44	19.39
For Extra Heavy Pipe, Add	18.23	
For Above Ground Cast Iron Pipe Installation, Add	1.45	
For Work In Restricted Working Space, Add	8.71	
22 13 16 00-0026 LF 8" Diameter, Bell And Spigot Cast Iron Pipe.....	109.02	27.66
For Extra Heavy Pipe, Add	28.36	
For Above Ground Cast Iron Pipe Installation, Add	2.08	
For Work In Restricted Working Space, Add	12.45	
22 13 16 00-0027 LF 10" Diameter, Bell And Spigot Cast Iron Pipe.....	159.09	31.17
For Extra Heavy Pipe, Add	47.21	
For Above Ground Cast Iron Pipe Installation, Add	2.33	
For Work In Restricted Working Space, Add	14.01	
22 13 16 00-0028 LF 12" Diameter, Bell And Spigot Cast Iron Pipe.....	225.55	41.55
For Extra Heavy Pipe, Add	68.58	
For Above Ground Cast Iron Pipe Installation, Add	3.11	
For Work In Restricted Working Space, Add	18.68	
22 13 16 00-0029 LF 15" Diameter, Bell And Spigot Cast Iron Pipe.....	313.36	49.84
For Extra Heavy Pipe, Add	100.23	
For Above Ground Cast Iron Pipe Installation, Add	3.74	
For Work In Restricted Working Space, Add	22.41	
22 13 16 00-0030 Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032 EA 2" Bell And Spigot Cast Iron Long Sweep.....	118.53	35.08
For Extra Heavy Fittings, Add	23.08	
For Above Ground Cast Iron Pipe Installation, Add	2.63	
For Work In Restricted Working Space, Add	15.77	
22 13 16 00-0033 EA 3" Bell And Spigot Cast Iron Long Sweep.....	199.90	44.13
For Extra Heavy Fittings, Add	46.84	
For Above Ground Cast Iron Pipe Installation, Add	3.30	
For Work In Restricted Working Space, Add	19.82	
22 13 16 00-0034 EA 4" Bell And Spigot Cast Iron Long Sweep.....	266.31	58.68
For Extra Heavy Fittings, Add	62.43	
For Above Ground Cast Iron Pipe Installation, Add	4.40	
For Work In Restricted Working Space, Add	26.39	
22 13 16 00-0035 EA 6" Bell And Spigot Cast Iron Long Sweep.....	413.15	75.29
For Extra Heavy Fittings, Add	105.11	
For Above Ground Cast Iron Pipe Installation, Add	5.64	
For Work In Restricted Working Space, Add	33.85	
22 13 16 00-0036 EA 8" Bell And Spigot Cast Iron Long Sweep.....	815.70	97.35
For Extra Heavy Fittings, Add	234.43	
For Above Ground Cast Iron Pipe Installation, Add	7.30	
For Work In Restricted Working Space, Add	43.77	
22 13 16 00-0037 EA 10" Bell And Spigot Cast Iron Long Sweep.....	1,115.10	119.77
For Extra Heavy Fittings, Add	327.43	
For Above Ground Cast Iron Pipe Installation, Add	8.98	
For Work In Restricted Working Space, Add	53.87	
22 13 16 00-0038 EA 12" Bell And Spigot Cast Iron Long Sweep.....	1,709.18	167.15
For Extra Heavy Fittings, Add	510.50	
For Above Ground Cast Iron Pipe Installation, Add	12.53	
For Work In Restricted Working Space, Add	75.19	
22 13 16 00-0039 EA 15" Bell And Spigot Cast Iron Long Sweep.....	3,169.94	232.75
For Extra Heavy Fittings, Add	987.34	
For Above Ground Cast Iron Pipe Installation, Add	17.45	
For Work In Restricted Working Space, Add	104.69	
22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041 EA 2" Bell And Spigot Cast Iron Short Sweep.....	101.12	35.08
For Extra Heavy Fittings, Add	16.99	
For Above Ground Cast Iron Pipe Installation, Add	2.63	
For Work In Restricted Working Space, Add	15.77	
22 13 16 00-0042 EA 3" Bell And Spigot Cast Iron Short Sweep.....	170.68	44.13
For Extra Heavy Fittings, Add	36.61	
For Above Ground Cast Iron Pipe Installation, Add	3.30	
For Work In Restricted Working Space, Add	19.82	
22 13 16 00-0043 EA 4" Bell And Spigot Cast Iron Short Sweep.....	233.45	58.68
For Extra Heavy Fittings, Add	50.93	
For Above Ground Cast Iron Pipe Installation, Add	4.40	
For Work In Restricted Working Space, Add	26.39	
22 13 16 00-0044 EA 5" Bell And Spigot Cast Iron Short Sweep.....	347.50	63.99
For Extra Heavy Fittings, Add	88.06	
For Above Ground Cast Iron Pipe Installation, Add	4.80	
For Work In Restricted Working Space, Add	28.77	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	419.41	75.29
		For Extra Heavy Fittings, Add	107.30	
		For Above Ground Cast Iron Pipe Installation, Add	5.64	
		For Work In Restricted Working Space, Add	33.85	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	689.76	97.35
		For Extra Heavy Fittings, Add	190.35	
		For Above Ground Cast Iron Pipe Installation, Add	7.30	
		For Work In Restricted Working Space, Add	43.77	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	1,007.64	119.77
		For Extra Heavy Fittings, Add	289.82	
		For Above Ground Cast Iron Pipe Installation, Add	8.98	
		For Work In Restricted Working Space, Add	53.87	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,669.10	167.15
		For Extra Heavy Fittings, Add	496.47	
		For Above Ground Cast Iron Pipe Installation, Add	12.53	
		For Work In Restricted Working Space, Add	75.19	
22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)				
22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	91.23	34.96
		For Extra Heavy Fittings, Add	13.57	
		For Above Ground Cast Iron Pipe Installation, Add	2.62	
		For Work In Restricted Working Space, Add	15.74	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	136.52	39.36
		For Extra Heavy Fittings, Add	27.11	
		For Above Ground Cast Iron Pipe Installation, Add	2.95	
		For Work In Restricted Working Space, Add	17.72	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	194.88	52.45
		For Extra Heavy Fittings, Add	40.70	
		For Above Ground Cast Iron Pipe Installation, Add	3.93	
		For Work In Restricted Working Space, Add	23.58	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	241.80	57.15
		For Extra Heavy Fittings, Add	54.66	
		For Above Ground Cast Iron Pipe Installation, Add	4.28	
		For Work In Restricted Working Space, Add	25.69	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	290.83	68.44
		For Extra Heavy Fittings, Add	65.85	
		For Above Ground Cast Iron Pipe Installation, Add	5.13	
		For Work In Restricted Working Space, Add	30.81	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	601.22	89.65
		For Extra Heavy Fittings, Add	163.40	
		For Above Ground Cast Iron Pipe Installation, Add	6.72	
		For Work In Restricted Working Space, Add	40.31	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	885.41	108.79
		For Extra Heavy Fittings, Add	252.82	
		For Above Ground Cast Iron Pipe Installation, Add	8.15	
		For Work In Restricted Working Space, Add	48.92	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,166.52	128.40
		For Extra Heavy Fittings, Add	340.89	
		For Above Ground Cast Iron Pipe Installation, Add	9.63	
		For Work In Restricted Working Space, Add	57.76	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,974.17	202.52
		For Extra Heavy Fittings, Add	934.71	
		For Above Ground Cast Iron Pipe Installation, Add	15.18	
		For Work In Restricted Working Space, Add	91.07	
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)				
22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	83.53	35.08
		For Extra Heavy Fittings, Add	10.83	
		For Above Ground Cast Iron Pipe Installation, Add	2.63	
		For Work In Restricted Working Space, Add	15.77	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	129.95	44.13
		For Extra Heavy Fittings, Add	22.35	
		For Above Ground Cast Iron Pipe Installation, Add	3.30	
		For Work In Restricted Working Space, Add	19.82	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	184.85	58.68
		For Extra Heavy Fittings, Add	33.92	
		For Above Ground Cast Iron Pipe Installation, Add	4.40	
		For Work In Restricted Working Space, Add	26.39	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	229.37	71.53
		For Extra Heavy Fittings, Add	42.77	
		For Above Ground Cast Iron Pipe Installation, Add	5.36	
		For Work In Restricted Working Space, Add	32.15	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	265.11	79.74
		For Extra Heavy Fittings, Add	50.93	
		For Above Ground Cast Iron Pipe Installation, Add	5.98	
		For Work In Restricted Working Space, Add	35.88	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	525.07	107.38
		For Extra Heavy Fittings, Add	127.42	
		For Above Ground Cast Iron Pipe Installation, Add	8.05	
		For Work In Restricted Working Space, Add	48.30	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	733.41 187.16 9.93 59.60	132.49
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,182.79 323.84 12.88 77.26	171.83
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,259.83 684.69 15.18 91.07	202.52
22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	147.31 10.42 5.88 35.26	78.36
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	184.45 19.52 6.43 38.60	85.82
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	242.79 25.98 8.43 50.57	112.47
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	308.25 43.28 9.23 55.37	123.09
22 13 16 00-0074 EA 6" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	386.32 58.65 10.94 65.63	145.90
22 13 16 00-0075 EA 8" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	704.90 143.81 14.70 88.21	196.10
22 13 16 00-0076 EA 10" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	985.68 228.26 16.68 100.05	222.49
22 13 16 00-0077 EA 12" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,455.19 367.21 20.30 121.80	270.81
22 13 16 00-0078 EA 15" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,252.08 628.80 22.78 136.66	303.84
22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)		
22 13 16 00-0080 EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	229.92 37.48 6.14 36.85	81.90
22 13 16 00-0081 EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	279.95 44.85 7.59 45.55	101.22
22 13 16 00-0082 EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	311.67 54.59 7.78 46.71	103.78
22 13 16 00-0083 EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	455.88 90.99 9.80 58.77	130.72
22 13 16 00-0084 EA 6" x 3" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	467.64 93.81 9.98 59.89	133.12
22 13 16 00-0085 EA 6" x 4" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	489.62 96.84 10.65 63.88	142.02
22 13 16 00-0086 EA 8" x 2" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	718.60 168.77 11.82 70.92	157.70



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0087 EA 8" x 3" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	750.97 178.52 12.05 72.28	160.73
22 13 16 00-0088 EA 8" x 4" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	769.23 180.90 12.62 75.71	168.32
22 13 16 00-0089 EA 8" x 6" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	908.41 219.68 14.04 84.23	187.23
22 13 16 00-0090 EA 10" x 3" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,117.86 299.19 13.15 78.91	175.44
22 13 16 00-0091 EA 10" x 4" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,162.90 310.89 13.73 82.40	183.15
22 13 16 00-0092 EA 10" x 6" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,272.30 339.05 15.18 91.07	202.52
22 13 16 00-0093 EA 10" x 8" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,680.06 475.32 16.10 96.60	214.78
22 13 16 00-0094 EA 12" x 4" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,728.96 492.44 16.10 96.60	214.78
22 13 16 00-0095 EA 12" x 6" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,799.87 507.82 17.45 104.69	232.75
22 13 16 00-0096 EA 12" x 8" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,112.38 611.16 18.31 109.86	244.31
22 13 16 00-0097 EA 12" x 10" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,565.90 766.06 18.86 113.15	251.55
22 13 16 00-0098 EA 15" x 4" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	4,235.42 1,357.94 17.78 106.68	237.19
22 13 16 00-0099 EA 15" x 6" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	4,420.72 1,412.53 19.25 115.48	256.69
22 13 16 00-0100 EA 15" x 8" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	4,511.54 1,438.53 20.07 120.44	267.77
22 13 16 00-0101 EA 15" x 10" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	4,616.72 1,470.59 20.75 124.51	276.87
22 13 16 00-0102 EA 15" x 12" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	4,733.78 1,503.09 21.96 131.77	292.98
22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0104 EA 2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	160.06 14.88 5.88 35.26	78.36
22 13 16 00-0105 EA 3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	192.31 22.27 6.43 38.60	85.82
22 13 16 00-0106 EA 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	256.47 30.77 8.43 50.57	112.47
22 13 16 00-0107 EA 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	352.80 55.74 9.68 58.06	129.13

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0108 EA 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	441.75	160.16
For Extra Heavy Fittings, Add	70.58	
For Above Ground Cast Iron Pipe Installation, Add	12.00	
For Work In Restricted Working Space, Add	72.02	
22 13 16 00-0109 EA 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	807.46	211.16
For Extra Heavy Fittings, Add	171.82	
For Above Ground Cast Iron Pipe Installation, Add	15.83	
For Work In Restricted Working Space, Add	94.96	
22 13 16 00-0110 EA 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,164.01	276.87
For Extra Heavy Fittings, Add	262.14	
For Above Ground Cast Iron Pipe Installation, Add	20.75	
For Work In Restricted Working Space, Add	124.51	
22 13 16 00-0111 EA 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,559.99	355.90
For Extra Heavy Fittings, Add	359.23	
For Above Ground Cast Iron Pipe Installation, Add	26.68	
For Work In Restricted Working Space, Add	160.08	
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0113 EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	170.56	81.90
For Extra Heavy Fittings, Add	16.70	
For Above Ground Cast Iron Pipe Installation, Add	6.14	
For Work In Restricted Working Space, Add	36.85	
22 13 16 00-0114 EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	239.48	101.22
For Extra Heavy Fittings, Add	30.68	
For Above Ground Cast Iron Pipe Installation, Add	7.59	
For Work In Restricted Working Space, Add	45.55	
22 13 16 00-0115 EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	258.26	103.78
For Extra Heavy Fittings, Add	35.90	
For Above Ground Cast Iron Pipe Installation, Add	7.78	
For Work In Restricted Working Space, Add	46.71	
22 13 16 00-0116 EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	379.28	130.72
For Extra Heavy Fittings, Add	64.18	
For Above Ground Cast Iron Pipe Installation, Add	9.80	
For Work In Restricted Working Space, Add	58.77	
22 13 16 00-0117 EA 6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	394.92	133.12
For Extra Heavy Fittings, Add	68.36	
For Above Ground Cast Iron Pipe Installation, Add	9.98	
For Work In Restricted Working Space, Add	59.89	
22 13 16 00-0118 EA 6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	418.66	142.02
For Extra Heavy Fittings, Add	72.01	
For Above Ground Cast Iron Pipe Installation, Add	10.65	
For Work In Restricted Working Space, Add	63.88	
22 13 16 00-0119 EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	576.32	157.70
For Extra Heavy Fittings, Add	118.97	
For Above Ground Cast Iron Pipe Installation, Add	11.82	
For Work In Restricted Working Space, Add	70.92	
22 13 16 00-0120 EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	592.29	168.32
For Extra Heavy Fittings, Add	118.97	
For Above Ground Cast Iron Pipe Installation, Add	12.62	
For Work In Restricted Working Space, Add	75.71	
22 13 16 00-0121 EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	747.39	187.23
For Extra Heavy Fittings, Add	163.32	
For Above Ground Cast Iron Pipe Installation, Add	14.04	
For Work In Restricted Working Space, Add	84.23	
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)		
22 13 16 00-0123 EA 2" Bell And Spigot Cast Iron Double Wye.....	258.13	93.76
For Extra Heavy Fittings, Add	41.16	
For Above Ground Cast Iron Pipe Installation, Add	7.03	
For Work In Restricted Working Space, Add	42.16	
22 13 16 00-0124 EA 3" Bell And Spigot Cast Iron Double Wye.....	374.63	118.22
For Extra Heavy Fittings, Add	69.11	
For Above Ground Cast Iron Pipe Installation, Add	8.86	
For Work In Restricted Working Space, Add	53.15	
22 13 16 00-0125 EA 4" Bell And Spigot Cast Iron Double Wye.....	507.72	149.51
For Extra Heavy Fittings, Add	99.23	
For Above Ground Cast Iron Pipe Installation, Add	11.21	
For Work In Restricted Working Space, Add	67.27	
22 13 16 00-0126 EA 6" Bell And Spigot Cast Iron Double Wye.....	964.96	224.15
For Extra Heavy Fittings, Add	220.11	
For Above Ground Cast Iron Pipe Installation, Add	16.80	
For Work In Restricted Working Space, Add	100.82	
22 13 16 00-0127 EA 8" Bell And Spigot Cast Iron Double Wye.....	1,928.12	265.09
For Extra Heavy Fittings, Add	535.77	
For Above Ground Cast Iron Pipe Installation, Add	19.87	
For Work In Restricted Working Space, Add	119.21	
22 13 16 00-0128 EA 10" Bell And Spigot Cast Iron Double Wye.....	2,553.57	296.61
For Extra Heavy Fittings, Add	738.12	
For Above Ground Cast Iron Pipe Installation, Add	22.23	
For Work In Restricted Working Space, Add	133.40	



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0129 EA 12" Bell And Spigot Cast Iron Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0130 EA 15" Bell And Spigot Cast Iron Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,775.12 434.53 26.68 160.08 4,986.62 1,549.21 28.02 168.10	355.90 373.53
22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)		
22 13 16 00-0132 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0133 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0134 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0135 EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0136 EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0137 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0138 EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0139 EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0140 EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0141 EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0142 EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0143 EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0144 EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	235.67 24.29 8.31 49.88 273.77 28.97 9.55 57.30 296.28 33.56 10.02 60.12 376.18 50.09 11.65 69.92 398.71 54.86 12.10 72.59 458.49 68.11 13.19 79.16 738.29 151.24 15.31 91.85 804.71 154.77 18.13 108.75 786.51 160.60 16.38 98.30 916.69 186.12 19.25 115.48 1,128.56 248.17 20.98 125.85 1,152.75 253.26 21.46 128.75 1,471.96 351.77 23.35 140.07	110.88 127.38 133.61 155.48 161.41 176.01 204.27 241.74 218.52 256.69 279.79 286.21 311.43
22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0146 EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add 22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	215.97 26.41 7.03 42.16 290.82 35.96 9.40 56.42 379.69 50.61 11.75 70.53 823.86 156.89 18.78 112.68	93.76 125.42 156.84 250.50

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0150		Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	287.84	112.47
		For Extra Heavy Fittings, Add	41.74	
		For Above Ground Cast Iron Pipe Installation, Add	8.43	
		For Work In Restricted Working Space, Add	50.57	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	341.28	127.38
		For Extra Heavy Fittings, Add	52.59	
		For Above Ground Cast Iron Pipe Installation, Add	9.55	
		For Work In Restricted Working Space, Add	57.30	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	383.08	141.81
		For Extra Heavy Fittings, Add	59.69	
		For Above Ground Cast Iron Pipe Installation, Add	10.63	
		For Work In Restricted Working Space, Add	63.76	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	758.73	186.85
		For Extra Heavy Fittings, Add	167.49	
		For Above Ground Cast Iron Pipe Installation, Add	14.01	
		For Work In Restricted Working Space, Add	84.05	
22 13 16 00-0155		Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	176.45	78.48
		For Extra Heavy Fittings, Add	20.58	
		For Above Ground Cast Iron Pipe Installation, Add	5.88	
		For Work In Restricted Working Space, Add	35.30	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	200.48	85.82
		For Extra Heavy Fittings, Add	25.13	
		For Above Ground Cast Iron Pipe Installation, Add	6.43	
		For Work In Restricted Working Space, Add	38.60	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	321.11	105.13
		For Extra Heavy Fittings, Add	57.19	
		For Above Ground Cast Iron Pipe Installation, Add	7.89	
		For Work In Restricted Working Space, Add	47.31	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	461.69	113.84
		For Extra Heavy Fittings, Add	101.82	
		For Above Ground Cast Iron Pipe Installation, Add	8.54	
		For Work In Restricted Working Space, Add	51.23	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	553.85	136.55
		For Extra Heavy Fittings, Add	122.19	
		For Above Ground Cast Iron Pipe Installation, Add	10.24	
		For Work In Restricted Working Space, Add	61.42	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,187.84	179.18
		For Extra Heavy Fittings, Add	321.72	
		For Above Ground Cast Iron Pipe Installation, Add	13.43	
		For Work In Restricted Working Space, Add	80.59	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,783.51	218.52
		For Extra Heavy Fittings, Add	509.55	
		For Above Ground Cast Iron Pipe Installation, Add	16.38	
		For Work In Restricted Working Space, Add	98.30	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,659.09	256.69
		For Extra Heavy Fittings, Add	795.96	
		For Above Ground Cast Iron Pipe Installation, Add	19.25	
		For Work In Restricted Working Space, Add	115.48	
22 13 16 00-0164		Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	235.50	81.90
		For Extra Heavy Fittings, Add	39.43	
		For Above Ground Cast Iron Pipe Installation, Add	6.14	
		For Work In Restricted Working Space, Add	36.85	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	278.76	95.96
		For Extra Heavy Fittings, Add	47.23	
		For Above Ground Cast Iron Pipe Installation, Add	7.19	
		For Work In Restricted Working Space, Add	43.15	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	291.76	95.96
		For Extra Heavy Fittings, Add	51.78	
		For Above Ground Cast Iron Pipe Installation, Add	7.19	
		For Work In Restricted Working Space, Add	43.15	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	438.55	130.72
		For Extra Heavy Fittings, Add	84.92	
		For Above Ground Cast Iron Pipe Installation, Add	9.80	
		For Work In Restricted Working Space, Add	58.77	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	456.50	133.12
		For Extra Heavy Fittings, Add	89.91	
		For Above Ground Cast Iron Pipe Installation, Add	9.98	
		For Work In Restricted Working Space, Add	59.89	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	495.19	142.02
		For Extra Heavy Fittings, Add	98.79	
		For Above Ground Cast Iron Pipe Installation, Add	10.65	
		For Work In Restricted Working Space, Add	63.88	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	842.89	168.32
		For Extra Heavy Fittings, Add	206.68	
		For Above Ground Cast Iron Pipe Installation, Add	12.62	
		For Work In Restricted Working Space, Add	75.71	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,057.59 271.89 14.04 84.23	187.23
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.89 12.02 5.88 35.26	78.36
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.47 20.93 6.43 38.60	85.82
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.60 28.36 8.43 50.57	112.47
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.42 42.31 9.68 58.06	129.13
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	395.82 54.51 12.00 72.02	160.16
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	678.96 126.85 15.83 94.96	211.16
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.92 13.43 5.88 35.26	78.36
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.07 15.19 6.43 38.60	85.82
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.05 18.72 8.43 50.57	112.47
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)					
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.46 14.32 5.88 35.26	78.36
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.90 16.88 6.43 38.60	85.82
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.18 22.96 8.43 50.57	112.47
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)					
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.81 7.61 3.30 19.82	44.13
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.04 7.95 4.37 26.20	58.19
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.48 10.34 4.40 26.39	58.68
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.61 15.02 5.19 31.11	69.13
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.29 16.88 5.25 31.52	70.04

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer	158.18	71.53
			For Extra Heavy Fittings, Add	17.85	
			For Above Ground Cast Iron Pipe Installation, Add	5.36	
			For Work In Restricted Working Space, Add	32.15	
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer	204.66	73.69
			For Extra Heavy Fittings, Add	32.95	
			For Above Ground Cast Iron Pipe Installation, Add	5.53	
			For Work In Restricted Working Space, Add	33.15	
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer	231.47	90.93
			For Extra Heavy Fittings, Add	33.30	
			For Above Ground Cast Iron Pipe Installation, Add	6.82	
			For Work In Restricted Working Space, Add	40.90	
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer	237.55	93.26
			For Extra Heavy Fittings, Add	34.19	
			For Above Ground Cast Iron Pipe Installation, Add	6.99	
			For Work In Restricted Working Space, Add	41.96	
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer	245.38	97.35
			For Extra Heavy Fittings, Add	34.81	
			For Above Ground Cast Iron Pipe Installation, Add	7.30	
			For Work In Restricted Working Space, Add	43.77	
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer	306.20	109.26
			For Extra Heavy Fittings, Add	49.83	
			For Above Ground Cast Iron Pipe Installation, Add	8.19	
			For Work In Restricted Working Space, Add	49.15	
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer	322.82	114.74
			For Extra Heavy Fittings, Add	52.75	
			For Above Ground Cast Iron Pipe Installation, Add	8.61	
			For Work In Restricted Working Space, Add	51.63	
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer	343.92	119.77
			For Extra Heavy Fittings, Add	57.52	
			For Above Ground Cast Iron Pipe Installation, Add	8.98	
			For Work In Restricted Working Space, Add	53.87	
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer	426.97	129.80
			For Extra Heavy Fittings, Add	81.35	
			For Above Ground Cast Iron Pipe Installation, Add	9.73	
			For Work In Restricted Working Space, Add	58.36	
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer	476.35	151.86
			For Extra Heavy Fittings, Add	87.01	
			For Above Ground Cast Iron Pipe Installation, Add	11.39	
			For Work In Restricted Working Space, Add	68.33	
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer	515.35	172.98
			For Extra Heavy Fittings, Add	89.58	
			For Above Ground Cast Iron Pipe Installation, Add	12.97	
			For Work In Restricted Working Space, Add	77.82	
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer	564.76	199.26
			For Extra Heavy Fittings, Add	93.11	
			For Above Ground Cast Iron Pipe Installation, Add	14.94	
			For Work In Restricted Working Space, Add	89.62	
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer	736.90	199.26
			For Extra Heavy Fittings, Add	153.36	
			For Above Ground Cast Iron Pipe Installation, Add	14.94	
			For Work In Restricted Working Space, Add	89.62	
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer	784.14	214.78
			For Extra Heavy Fittings, Add	161.75	
			For Above Ground Cast Iron Pipe Installation, Add	16.10	
			For Work In Restricted Working Space, Add	96.60	
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer	816.56	226.46
			For Extra Heavy Fittings, Add	166.95	
			For Above Ground Cast Iron Pipe Installation, Add	16.98	
			For Work In Restricted Working Space, Add	101.87	
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer	860.49	241.74
			For Extra Heavy Fittings, Add	174.29	
			For Above Ground Cast Iron Pipe Installation, Add	18.13	
			For Work In Restricted Working Space, Add	108.75	
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)					
22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap	89.72	35.08
			For Extra Heavy Fittings, Add	13.00	
			For Above Ground Cast Iron Pipe Installation, Add	2.63	
			For Work In Restricted Working Space, Add	15.77	
22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap	120.12	44.13
			For Extra Heavy Fittings, Add	18.91	
			For Above Ground Cast Iron Pipe Installation, Add	3.30	
			For Work In Restricted Working Space, Add	19.82	
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap	163.65	58.68
			For Extra Heavy Fittings, Add	26.50	
			For Above Ground Cast Iron Pipe Installation, Add	4.40	
			For Work In Restricted Working Space, Add	26.39	
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap	258.21	63.99
			For Extra Heavy Fittings, Add	56.81	
			For Above Ground Cast Iron Pipe Installation, Add	4.80	
			For Work In Restricted Working Space, Add	28.77	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	346.57 81.81 5.64 33.85	75.29
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	769.85 218.38 7.30 43.77	97.35
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	853.66 235.93 8.98 53.87	119.77
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)				
22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	103.83 17.94 2.63 15.77	35.08
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	147.85 28.62 3.30 19.82	44.13
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	215.21 44.54 4.40 26.39	58.68
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	351.00 85.34 5.36 32.15	71.53
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	372.53 88.52 5.98 35.88	79.74
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)				
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	239.61 6.43 38.60	84.72
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	319.58 8.43 50.57	111.37
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	428.24 9.39 56.34	124.23
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	860.15 10.65 63.88	140.77
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,821.86 12.62 75.71	166.46
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	3,055.41 14.04 84.23	185.72
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)				
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	306.78 8.86 53.15	116.99
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	418.64 11.21 67.27	147.67
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	958.90 13.19 79.16	173.96
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,112.21 15.95 95.73	210.57
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	3,039.49 15.31 91.85	201.83
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	3,335.44 18.13 108.75	239.64
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	4,436.01 20.98 125.85	276.52
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	6,139.46 24.22 145.30	319.72

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent.....	11,950.07	369.79
For Above Ground Cast Iron Pipe Installation, Add	28.03	
For Work In Restricted Working Space, Add	168.16	
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting.....	185.01	
For Above Ground Cast Iron Pipe Installation, Add	2.62	
For Work In Restricted Working Space, Add	15.74	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting.....	255.06	
For Above Ground Cast Iron Pipe Installation, Add	2.95	
For Work In Restricted Working Space, Add	17.68	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting.....	294.64	
For Above Ground Cast Iron Pipe Installation, Add	3.95	
For Work In Restricted Working Space, Add	23.68	
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting.....	363.79	
For Above Ground Cast Iron Pipe Installation, Add	4.58	
For Work In Restricted Working Space, Add	27.51	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting.....	441.79	
For Above Ground Cast Iron Pipe Installation, Add	5.54	
For Work In Restricted Working Space, Add	33.23	
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting.....	836.14	
For Above Ground Cast Iron Pipe Installation, Add	7.00	
For Work In Restricted Working Space, Add	42.00	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249 EA Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe.....	14.61	
For Above Ground Cast Iron Pipe Installation, Add	0.73	
For Work In Restricted Working Space, Add	4.38	
22 13 16 00-0250 EA Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe.....	15.94	
For Above Ground Cast Iron Pipe Installation, Add	0.80	
For Work In Restricted Working Space, Add	4.78	
22 13 16 00-0251 EA Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe.....	19.92	
For Above Ground Cast Iron Pipe Installation, Add	1.00	
For Work In Restricted Working Space, Add	5.98	
22 13 16 00-0252 EA Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe.....	23.90	
For Above Ground Cast Iron Pipe Installation, Add	1.20	
For Work In Restricted Working Space, Add	7.17	
22 13 16 00-0253 EA Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe.....	31.86	
For Above Ground Cast Iron Pipe Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0254 EA Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe.....	37.17	
For Above Ground Cast Iron Pipe Installation, Add	1.86	
For Work In Restricted Working Space, Add	11.15	
22 13 16 00-0255 EA Cut And Prepare, Existing In-Place 12" Diameter Cast Iron Pipe.....	43.81	
For Above Ground Cast Iron Pipe Installation, Add	2.19	
For Work In Restricted Working Space, Add	13.14	
22 13 16 00-0256 EA Cut And Prepare, Existing In-Place 15" Diameter Cast Iron Pipe.....	50.45	
For Above Ground Cast Iron Pipe Installation, Add	2.52	
For Work In Restricted Working Space, Add	15.14	
22 13 16 00-0257 Joint Material (22 13 16 00-0019)		
Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258 LB Lead (1 Lb./Diameter Inch) Joint Material.....	6.73	
22 13 16 00-0259 LB Oakum (1/8 Lb./Diameter Inch) Joint Material.....	11.94	
22 13 16 00-0260 EA 2" Dual Tite Rubber Gasket.....	3.32	
22 13 16 00-0261 EA 3" Dual Tite Rubber Gasket.....	4.55	
22 13 16 00-0262 EA 4" Dual Tite Rubber Gasket.....	5.65	
22 13 16 00-0263 EA 6" Dual Tite Rubber Gasket.....	9.38	
22 13 16 00-0264 EA 8" Dual Tite Rubber Gasket.....	20.68	
22 13 16 00-0265 EA 10" Dual Tite Rubber Gasket.....	31.72	
22 13 16 00-0266 EA 12" Dual Tite Rubber Gasket.....	40.40	
22 13 16 00-0267 EA 15" Dual Tite Rubber Gasket.....	47.99	
22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)		
Note: Service Weight. Excludes hangers.		
22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268)		
Note: Excludes couplings.		
22 13 16 00-0270 LF 1-1/2" Diameter, No Hub Cast Iron Pipe.....	21.96	7.34
For Below Ground Installation, Add	0.55	
For Work In Restricted Working Space, Add	3.30	
22 13 16 00-0271 LF 2" Diameter, No Hub Cast Iron Pipe.....	23.31	7.82
For Below Ground Installation, Add	0.59	
For Work In Restricted Working Space, Add	3.55	
22 13 16 00-0272 LF 3" Diameter, No Hub Cast Iron Pipe.....	33.01	11.37
For Below Ground Installation, Add	0.86	
For Work In Restricted Working Space, Add	5.13	



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Sanitary Sewerage	22 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0273	LF	4" Diameter, No Hub Cast Iron Pipe	.....	42.82	14.79
		For Below Ground Installation, Add	.....	1.11	
		For Work In Restricted Working Space, Add	.....	6.67	
22 13 16 00-0274	LF	5" Diameter, No Hub Cast Iron Pipe	.....	54.88	17.45
		For Below Ground Installation, Add	.....	1.31	
		For Work In Restricted Working Space, Add	.....	7.85	
22 13 16 00-0275	LF	6" Diameter, No Hub Cast Iron Pipe	.....	64.02	19.05
		For Below Ground Installation, Add	.....	1.43	
		For Work In Restricted Working Space, Add	.....	8.56	
22 13 16 00-0276	LF	8" Diameter, No Hub Cast Iron Pipe	.....	97.90	27.43
		For Below Ground Installation, Add	.....	2.05	
		For Work In Restricted Working Space, Add	.....	12.32	
22 13 16 00-0277	LF	10" Diameter, No Hub Cast Iron Pipe	.....	140.94	31.17
		For Below Ground Installation, Add	.....	2.33	
		For Work In Restricted Working Space, Add	.....	14.01	
22 13 16 00-0278		No Hub Cast Iron Fittings (22 13 16 00-0268)			
22 13 16 00-0279		No Hub Cast Iron Long Sweeps (22 13 16 00-0278)			
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	.....	77.12	33.25
		For Below Ground Installation, Add	.....	2.49	
		For Work In Restricted Working Space, Add	.....	14.97	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	.....	79.92	34.72
		For Below Ground Installation, Add	.....	2.60	
		For Work In Restricted Working Space, Add	.....	15.61	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	.....	94.60	39.73
		For Below Ground Installation, Add	.....	2.98	
		For Work In Restricted Working Space, Add	.....	17.89	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	.....	130.99	52.57
		For Below Ground Installation, Add	.....	3.94	
		For Work In Restricted Working Space, Add	.....	23.66	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	.....	182.30	57.60
		For Below Ground Installation, Add	.....	4.32	
		For Work In Restricted Working Space, Add	.....	25.90	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	.....	216.15	68.67
		For Below Ground Installation, Add	.....	5.15	
		For Work In Restricted Working Space, Add	.....	30.91	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	.....	442.69	88.95
		For Below Ground Installation, Add	.....	6.67	
		For Work In Restricted Working Space, Add	.....	40.02	
22 13 16 00-0287		No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)			
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	.....	123.41	39.73
		For Below Ground Installation, Add	.....	2.98	
		For Work In Restricted Working Space, Add	.....	17.89	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	.....	185.90	52.57
		For Below Ground Installation, Add	.....	3.94	
		For Work In Restricted Working Space, Add	.....	23.66	
22 13 16 00-0290		No Hub Cast Iron Short Sweeps (22 13 16 00-0278)			
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	.....	74.13	34.72
		For Below Ground Installation, Add	.....	2.60	
		For Work In Restricted Working Space, Add	.....	15.61	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	.....	90.02	39.73
		For Below Ground Installation, Add	.....	2.98	
		For Work In Restricted Working Space, Add	.....	17.89	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	.....	128.59	52.57
		For Below Ground Installation, Add	.....	3.94	
		For Work In Restricted Working Space, Add	.....	23.66	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	.....	183.20	57.60
		For Below Ground Installation, Add	.....	4.32	
		For Work In Restricted Working Space, Add	.....	25.90	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	.....	202.09	68.67
		For Below Ground Installation, Add	.....	5.15	
		For Work In Restricted Working Space, Add	.....	30.91	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	.....	400.19	88.95
		For Below Ground Installation, Add	.....	6.67	
		For Work In Restricted Working Space, Add	.....	40.02	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	.....	656.02	124.55
		For Below Ground Installation, Add	.....	9.34	
		For Work In Restricted Working Space, Add	.....	56.03	
22 13 16 00-0298		No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)			
22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	.....	67.05	33.25
		For Below Ground Installation, Add	.....	2.50	
		For Work In Restricted Working Space, Add	.....	14.97	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	.....	70.15	34.72
		For Below Ground Installation, Add	.....	2.60	
		For Work In Restricted Working Space, Add	.....	15.61	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend.....	83.55	39.73
For Below Ground Installation, Add	2.98	
For Work In Restricted Working Space, Add	17.89	
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend.....	114.30	52.57
For Below Ground Installation, Add	3.94	
For Work In Restricted Working Space, Add	23.66	
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend.....	165.45	57.60
For Below Ground Installation, Add	4.32	
For Work In Restricted Working Space, Add	25.90	
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend.....	190.73	68.67
For Below Ground Installation, Add	5.15	
For Work In Restricted Working Space, Add	30.91	
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend.....	367.10	88.95
For Below Ground Installation, Add	6.67	
For Work In Restricted Working Space, Add	40.02	
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend	63.36	33.25
For Below Ground Installation, Add	2.50	
For Work In Restricted Working Space, Add	14.97	
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend.....	65.78	34.72
For Below Ground Installation, Add	2.60	
For Work In Restricted Working Space, Add	15.61	
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend.....	79.26	39.73
For Below Ground Installation, Add	2.98	
For Work In Restricted Working Space, Add	17.89	
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend.....	104.67	52.57
For Below Ground Installation, Add	3.94	
For Work In Restricted Working Space, Add	23.66	
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend.....	175.31	77.63
For Below Ground Installation, Add	5.82	
For Work In Restricted Working Space, Add	34.93	
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend.....	309.55	101.95
For Below Ground Installation, Add	7.64	
For Work In Restricted Working Space, Add	45.84	
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend.....	483.73	125.42
For Below Ground Installation, Add	9.40	
For Work In Restricted Working Space, Add	56.42	
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye.....	102.28	52.32
For Below Ground Installation, Add	3.92	
For Work In Restricted Working Space, Add	23.51	
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye.....	130.52	70.90
For Below Ground Installation, Add	5.32	
For Work In Restricted Working Space, Add	31.89	
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye.....	149.51	77.63
For Below Ground Installation, Add	5.82	
For Work In Restricted Working Space, Add	34.93	
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye.....	206.51	101.95
For Below Ground Installation, Add	7.64	
For Work In Restricted Working Space, Add	45.84	
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye.....	284.31	112.14
For Below Ground Installation, Add	8.41	
For Work In Restricted Working Space, Add	50.43	
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye.....	337.34	133.12
For Below Ground Installation, Add	9.98	
For Work In Restricted Working Space, Add	59.89	
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye.....	590.37	178.01
For Below Ground Installation, Add	13.34	
For Work In Restricted Working Space, Add	80.04	
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye.....	997.06	197.74
For Below Ground Installation, Add	14.82	
For Work In Restricted Working Space, Add	88.94	
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye	127.55	67.72
For Below Ground Installation, Add	5.07	
For Work In Restricted Working Space, Add	30.44	
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye.....	142.52	77.63
For Below Ground Installation, Add	5.82	
For Work In Restricted Working Space, Add	34.93	
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye.....	162.07	85.82
For Below Ground Installation, Add	6.43	
For Work In Restricted Working Space, Add	38.60	
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye.....	187.73	95.35
For Below Ground Installation, Add	7.15	
For Work In Restricted Working Space, Add	42.89	
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye.....	244.13	113.28
For Below Ground Installation, Add	8.49	
For Work In Restricted Working Space, Add	50.97	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	261.16 8.87 53.24	118.40
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	299.08 10.37 62.22	138.37
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	395.09 10.49 62.95	139.95
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	459.38 11.53 69.17	153.84
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	730.26 12.29 73.72	163.89
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	769.98 13.15 78.91	175.44
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	889.62 14.04 84.25	187.35
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	115.45 4.56 27.37	60.88
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	131.50 5.32 31.89	70.90
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	156.88 5.82 34.93	77.63
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	227.35 7.64 45.84	101.95
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	422.75 11.75 70.53	156.84
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	772.53 15.09 90.51	201.22
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	905.33 18.24 109.41	243.28
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	132.70 5.32 31.89	70.90
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	146.20 5.82 34.93	77.63
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	169.45 6.43 38.60	85.82
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	194.88 7.15 42.89	95.35
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	265.56 8.49 50.97	113.28
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	298.62 8.87 53.24	118.40
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	331.88 10.37 62.22	138.37
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	456.39 10.49 62.95	139.95
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	599.50 11.53 69.17	153.84
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	165.92 6.61 39.65	88.14
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	223.13 8.04 48.26	107.34

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	304.05 8.79 52.77	117.36
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	472.33 12.58 75.45	167.80
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	937.59 16.98 101.87	226.46
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	199.81 7.32 43.92	97.67
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	240.37 8.43 50.59	112.47
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	264.77 9.19 55.15	122.61
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye For Below Ground Installation, Add For Work In Restricted Working Space, Add	400.89 11.09 66.54	147.95
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	217.96 7.94 47.63	105.87
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	267.57 8.79 52.77	117.36
22 13 16 00-0368 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	407.95 11.64 69.86	155.37
22 13 16 00-0369 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	563.98 17.98 107.87	239.85
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0371 EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	205.26 6.83 40.98	91.07
22 13 16 00-0372 EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	237.90 7.94 47.63	105.87
22 13 16 00-0373 EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	288.40 8.67 52.02	115.65
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0375 EA 1-1/2" No Hub Cast Iron Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	99.59 3.84 23.06	51.22
22 13 16 00-0376 EA 2" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	131.72 5.32 31.89	70.90
22 13 16 00-0377 EA 3" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	146.81 5.82 34.93	77.63
22 13 16 00-0378 EA 4" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	200.35 7.64 45.84	101.95
22 13 16 00-0379 EA 5" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	285.59 8.41 50.43	112.14
22 13 16 00-0380 EA 6" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	336.43 9.98 59.89	133.12
22 13 16 00-0381 EA 8" No Hub Cast Iron Sanitary Tee..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	666.41 13.34 80.04	178.01
22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0383 EA 2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	112.12 4.34 26.01	57.82



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0384 EA 3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	129.66 5.07 30.44	67.72
22 13 16 00-0385 EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	134.51 5.32 31.89	70.90
22 13 16 00-0386 EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	163.61 5.32 31.89	70.90
22 13 16 00-0387 EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	180.00 7.19 43.15	95.96
22 13 16 00-0388 EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	187.07 7.19 43.15	95.96
22 13 16 00-0389 EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	243.71 7.99 47.91	106.55
22 13 16 00-0390 EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	253.57 7.99 47.91	106.55
22 13 16 00-0391 EA 5" x 4" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	254.77 7.99 47.91	106.55
22 13 16 00-0392 EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	264.21 8.32 49.91	110.99
22 13 16 00-0393 EA 8" x 6" No Hub Cast Iron Reducing Sanitary Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	522.78 11.25 67.50	150.11
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)		
22 13 16 00-0395 EA 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	77.52 2.60 15.61	34.72
22 13 16 00-0396 EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	90.24 2.98 17.89	39.73
22 13 16 00-0397 EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	110.16 3.94 23.66	52.57
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0399 EA 2" No Hub Cast Iron Cleanout Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	73.08 2.60 15.61	34.72
22 13 16 00-0400 EA 3" No Hub Cast Iron Cleanout Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	93.48 2.98 17.89	39.73
22 13 16 00-0401 EA 4" No Hub Cast Iron Cleanout Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	138.36 3.94 23.66	52.57
22 13 16 00-0402 EA 6" No Hub Cast Iron Cleanout Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	232.47 5.82 34.93	77.63
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0404 EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	322.69 7.64 45.84	101.95
22 13 16 00-0405 EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee For Below Ground Installation, Add For Work In Restricted Working Space, Add	390.02 11.61 69.68	154.89
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)		
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	60.97 2.60 15.61	34.72
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	73.70 2.98 17.89	39.73
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	105.57 3.94 23.66	52.57
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	166.29 5.82 34.93	77.63
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	221.33 7.64 45.84	101.95

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross 133.42	68.46	
For Below Ground Installation, Add	5.14	
For Work In Restricted Working Space, Add	30.82	
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross 144.66	70.90	
For Below Ground Installation, Add	5.32	
For Work In Restricted Working Space, Add	31.89	
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross 176.82	77.63	
For Below Ground Installation, Add	5.82	
For Work In Restricted Working Space, Add	34.93	
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross 266.31	101.95	
For Below Ground Installation, Add	7.64	
For Work In Restricted Working Space, Add	45.84	
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross 190.87	91.07	
For Below Ground Installation, Add	6.83	
For Work In Restricted Working Space, Add	40.97	
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross 217.30	93.76	
For Below Ground Installation, Add	7.03	
For Work In Restricted Working Space, Add	42.17	
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross 239.31	97.92	
For Below Ground Installation, Add	7.34	
For Work In Restricted Working Space, Add	44.02	
22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer 119.16	70.90	
For Below Ground Installation, Add	5.32	
For Work In Restricted Working Space, Add	31.89	
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer 163.45	95.96	
For Below Ground Installation, Add	7.19	
For Work In Restricted Working Space, Add	43.15	
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer 164.05	95.96	
For Below Ground Installation, Add	7.19	
For Work In Restricted Working Space, Add	43.15	
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer 188.51	106.55	
For Below Ground Installation, Add	7.99	
For Work In Restricted Working Space, Add	47.91	
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer 192.49	106.55	
For Below Ground Installation, Add	7.99	
For Work In Restricted Working Space, Add	47.91	
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer 194.07	106.55	
For Below Ground Installation, Add	7.99	
For Work In Restricted Working Space, Add	47.91	
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer 227.17	118.40	
For Below Ground Installation, Add	8.87	
For Work In Restricted Working Space, Add	53.24	
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer 227.77	118.40	
For Below Ground Installation, Add	8.87	
For Work In Restricted Working Space, Add	53.24	
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer 229.57	118.40	
For Below Ground Installation, Add	8.87	
For Work In Restricted Working Space, Add	53.24	
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer 315.28	166.10	
For Below Ground Installation, Add	12.45	
For Work In Restricted Working Space, Add	74.71	
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer 319.87	166.10	
For Below Ground Installation, Add	12.45	
For Work In Restricted Working Space, Add	74.71	
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer 327.24	166.10	
For Below Ground Installation, Add	12.45	
For Work In Restricted Working Space, Add	74.71	
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer 334.91	166.10	
For Below Ground Installation, Add	12.45	
For Work In Restricted Working Space, Add	74.71	
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer 335.82	166.10	
For Below Ground Installation, Add	12.45	
For Work In Restricted Working Space, Add	74.71	
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer 404.93	175.21	
For Below Ground Installation, Add	13.13	
For Work In Restricted Working Space, Add	78.79	
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer 433.76	182.91	
For Below Ground Installation, Add	13.72	
For Work In Restricted Working Space, Add	82.29	
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer 488.70	198.55	
For Below Ground Installation, Add	14.88	
For Work In Restricted Working Space, Add	89.30	
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	32.32 1.25 7.49	16.64
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	33.09 1.30 7.81	17.36
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	42.38 1.49 8.95	19.93
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	56.25 1.97 11.82	26.29
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	75.20 2.20 13.17	29.32
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	83.15 2.58 15.47	34.33
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	166.31 3.33 20.00	44.47
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	215.06 3.59 21.53	47.86
22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	78.12 2.60 15.61	34.72
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	119.12 2.98 17.89	39.73
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	182.21 3.94 23.66	52.57
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	323.47 4.35 26.10	58.06
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	340.51 5.19 31.14	69.24
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455 EA 2" No Hub Cast Iron Deep Seal P-Trap For Below Ground Installation, Add For Work In Restricted Working Space, Add	128.36 3.30 19.82	44.13
22 13 16 00-0456 EA 3" No Hub Cast Iron Deep Seal P-Trap For Below Ground Installation, Add For Work In Restricted Working Space, Add	187.31 4.40 26.39	58.68
22 13 16 00-0457 EA 4" No Hub Cast Iron Deep Seal P-Trap For Below Ground Installation, Add For Work In Restricted Working Space, Add	275.58 5.81 34.84	77.51
22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459 EA 4" No Hub Cast Iron Closet Flange..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	120.24 3.94 23.66	52.57
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	128.82 3.94 23.66	52.57
22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend For Below Ground Installation, Add For Work In Restricted Working Space, Add	240.80 3.94 23.66	52.57
22 13 16 00-0463 No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464 EA 1-1/4" No Hub Cast Iron Threaded Adapter..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	88.49 3.30 19.82	44.13
22 13 16 00-0465 EA 1-1/2" No Hub Cast Iron Threaded Adapter..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	95.41 3.30 19.82	44.13
22 13 16 00-0466 No Hub Couplings (22 13 16 00-0278)		
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0467 EA 1-1/2" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy-Duty (Fernco HD-4000), Add	8.02 1.04 2.17	
22 13 16 00-0468 EA 2" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy-Duty (Fernco HD-4000), Add	8.02 1.04 2.17	
22 13 16 00-0469 EA 3" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy-Duty (Fernco HD-4000), Add	9.52 1.24 2.57	
22 13 16 00-0470 EA 4" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy-Duty (Fernco HD-4000), Add	11.30 1.47 3.05	
22 13 16 00-0471 EA 5" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy-Duty (Fernco HD-4000), Add	26.13 3.40 7.06	
22 13 16 00-0472 EA 6" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy-Duty (Fernco HD-4000), Add	28.72 3.73 7.75	
22 13 16 00-0473 EA 8" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy-Duty (Fernco HD-4000), Add	54.10 7.03 14.61	
22 13 16 00-0474 EA 10" No Hub Coupling For Medium Duty (Fernco MD-2000), Add For Heavy-Duty (Fernco HD-4000), Add	74.52 9.69 20.12	
22 13 16 00-0475 EA 2" x 1-1/2" No Hub Reducing Coupling	9.52	
22 13 16 00-0476 EA 3" x 2" No Hub Reducing Coupling	14.76	
22 13 16 00-0477 EA 4" x 2" No Hub Reducing Coupling	20.60	
22 13 16 00-0478 EA 4" x 3" No Hub Reducing Coupling	17.55	

22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278)

Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.

22 13 16 00-0480 EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.55	
22 13 16 00-0481 EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.14	
22 13 16 00-0482 EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.70	
22 13 16 00-0483 EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.65	
22 13 16 00-0484 EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	118.27	
22 13 16 00-0485 EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	162.38	
22 13 16 00-0486 EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	284.49	
22 13 16 00-0487 EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	434.73	

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place (22 13 16 00-0268)

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489 EA Cut And Prepare, Existing In-Place 1-1/2" Diameter Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	11.95 3.59	
22 13 16 00-0490 EA Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	14.61 4.38	
22 13 16 00-0491 EA Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	15.94 4.78	
22 13 16 00-0492 EA Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	19.92 5.98	
22 13 16 00-0493 EA Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	23.89 7.17	
22 13 16 00-0494 EA Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	31.87 9.56	
22 13 16 00-0495 EA Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe, No Hub For Work In Restricted Working Space, Add	37.18 11.15	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe (22 13 16)

See CSI section 22 11 16 00-0451 for copper and brass fittings.

22 13 16 00-0497 LF 1-1/4" Diameter, Hard Drawn DWV Copper Tube/Pipe	20.23	5.74
22 13 16 00-0498 LF 1-1/2" Diameter, Hard Drawn DWV Copper Tube/Pipe	24.20	6.41
22 13 16 00-0499 LF 2" Diameter, Hard Drawn DWV Copper Tube/Pipe	31.21	7.92
22 13 16 00-0500 LF 3" Diameter, Hard Drawn DWV Copper Tube/Pipe	66.60	10.97
22 13 16 00-0501 LF 4" Diameter, Hard Drawn DWV Copper Tube/Pipe	93.75	12.37
22 13 16 00-0502 LF 5" Diameter, Hard Drawn DWV Copper Tube/Pipe	186.81	14.20
22 13 16 00-0503 LF 6" Diameter, Hard Drawn DWV Copper Tube/Pipe	266.00	22.02

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)

Note: Aboveground installation.

22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504)

22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0505)

Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0507	LF	1-1/2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	14.21		
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
For Work In Restricted Working Space, Add				2.87	
22 13 16 00-0508	LF	2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	16.99		
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
For Work In Restricted Working Space, Add				3.48	
22 13 16 00-0509	LF	3" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	27.98		
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
For Work In Restricted Working Space, Add				4.93	
22 13 16 00-0510	LF	4" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	36.24		
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
For Work In Restricted Working Space, Add				5.43	
22 13 16 00-0511	LF	6" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	66.38		
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
For Work In Restricted Working Space, Add				6.99	
22 13 16 00-0512	LF	8" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	94.94		
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
For Work In Restricted Working Space, Add				9.34	
22 13 16 00-0513	LF	10" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	137.60		
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
For Work In Restricted Working Space, Add				12.46	
22 13 16 00-0514		Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies			
(22 13 16 00-0505)					
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.					
22 13 16 00-0515	LF	1-1/2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	28.06		5.13
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.					
For Work In Restricted Working Space, Add				5.89	
22 13 16 00-0516	LF	2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	31.48		6.11
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.					
For Work In Restricted Working Space, Add				6.54	
22 13 16 00-0517	LF	3" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	44.50		8.81
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.					
For Work In Restricted Working Space, Add				8.13	
22 13 16 00-0518	LF	4" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	56.74		9.53
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.					
For Work In Restricted Working Space, Add				8.88	
22 13 16 00-0519	LF	6" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	90.26		12.23
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.					
For Work In Restricted Working Space, Add				11.37	
22 13 16 00-0520	LF	8" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	119.35		16.26
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.					
For Work In Restricted Working Space, Add				13.04	
22 13 16 00-0521	LF	10" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	167.88		21.76
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.					
For Work In Restricted Working Space, Add				16.99	
22 13 16 00-0522		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)			
Note: Excludes fittings or hangers.					
22 13 16 00-0523		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0522)			
Note: Excludes fittings or hangers.					
22 13 16 00-0524	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	10.67		5.13
For Work In Restricted Working Space, Add				2.29	
22 13 16 00-0525	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	13.13		6.11
For Work In Restricted Working Space, Add				2.75	
22 13 16 00-0526	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	21.09		8.81
For Work In Restricted Working Space, Add				3.94	
22 13 16 00-0527	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	25.47		9.53
For Work In Restricted Working Space, Add				4.28	
22 13 16 00-0528	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	37.10		11.40
For Work In Restricted Working Space, Add				5.12	
22 13 16 00-0529	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	53.18		15.17
For Work In Restricted Working Space, Add				6.85	
22 13 16 00-0530	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	76.92		20.31
For Work In Restricted Working Space, Add				9.12	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0531	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0522) Note: Excludes fittings or hangers.			
22 13 16 00-0532	LF 1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	9.76	5.13	
	For Work In Restricted Working Space, Add	2.29		
22 13 16 00-0533	LF 2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	12.06	6.11	
	For Work In Restricted Working Space, Add	2.75		
22 13 16 00-0534	LF 3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	19.06	8.81	
	For Work In Restricted Working Space, Add	3.94		
22 13 16 00-0535	LF 4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	22.79	9.53	
	For Work In Restricted Working Space, Add	4.28		
22 13 16 00-0536	LF 6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	32.10	11.40	
	For Work In Restricted Working Space, Add	5.12		
22 13 16 00-0537	LF 8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	46.15	15.17	
	For Work In Restricted Working Space, Add	6.85		
22 13 16 00-0538	LF 10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	69.27	20.31	
	For Work In Restricted Working Space, Add	9.12		
22 13 16 00-0539	Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0504)			
22 13 16 00-0540	Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0539)			
22 13 16 00-0541	EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	39.60	20.41	
	For Work In Restricted Working Space, Add	9.17		
22 13 16 00-0542	EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	50.58	26.04	
	For Work In Restricted Working Space, Add	11.74		
22 13 16 00-0543	EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	88.16	34.96	
	For Work In Restricted Working Space, Add	15.77		
22 13 16 00-0544	EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	136.63	40.71	
	For Work In Restricted Working Space, Add	18.34		
22 13 16 00-0545	EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	538.96	52.93	
	For Work In Restricted Working Space, Add	23.84		
22 13 16 00-0546	EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	894.05	71.27	
	For Work In Restricted Working Space, Add	32.09		
22 13 16 00-0547	EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	1,180.32	94.99	
	For Work In Restricted Working Space, Add	42.78		
22 13 16 00-0548	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0539)			
22 13 16 00-0549	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	64.94	20.41	
	For Work In Restricted Working Space, Add	9.17		
22 13 16 00-0550	EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	65.16	26.04	
	For Work In Restricted Working Space, Add	11.74		
22 13 16 00-0551	EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	125.65	34.96	
	For Work In Restricted Working Space, Add	15.77		
22 13 16 00-0552	EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	205.38	40.71	
	For Work In Restricted Working Space, Add	18.34		
22 13 16 00-0553	EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	406.17	52.93	
	For Work In Restricted Working Space, Add	23.84		
22 13 16 00-0554	EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	719.54	71.27	
	For Work In Restricted Working Space, Add	32.09		
22 13 16 00-0555	EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	1,177.19	94.99	
	For Work In Restricted Working Space, Add	42.78		
22 13 16 00-0556	Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0539)			
22 13 16 00-0557	EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	41.68	20.41	
	For Work In Restricted Working Space, Add	9.17		
22 13 16 00-0558	EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	50.40	26.04	
	For Work In Restricted Working Space, Add	11.74		
22 13 16 00-0559	EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	85.03	34.96	
	For Work In Restricted Working Space, Add	15.77		
22 13 16 00-0560	EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	121.36	40.71	
	For Work In Restricted Working Space, Add	18.34		
22 13 16 00-0561	EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	500.07	52.93	
	For Work In Restricted Working Space, Add	23.84		
22 13 16 00-0562	EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	803.67	71.27	
	For Work In Restricted Working Space, Add	32.09		
22 13 16 00-0563	EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	914.46	94.99	
	For Work In Restricted Working Space, Add	42.78		
22 13 16 00-0564	Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0539)			
22 13 16 00-0565	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	61.98	30.57	
	For Work In Restricted Working Space, Add	13.75		
22 13 16 00-0566	EA 2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	81.77	39.12	
	For Work In Restricted Working Space, Add	17.60		
22 13 16 00-0567	EA 3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	140.30	52.57	
	For Work In Restricted Working Space, Add	23.66		
22 13 16 00-0568	EA 4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	208.87	61.12	
	For Work In Restricted Working Space, Add	27.51		



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0569	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	800.75	79.34
			For Work In Restricted Working Space, Add	35.76	
22 13 16 00-0570	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	1,041.54	106.84
			For Work In Restricted Working Space, Add	48.14	
22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0572	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	79.28	33.37
			For Work In Restricted Working Space, Add	15.04	
22 13 16 00-0573	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	94.68	36.18
			For Work In Restricted Working Space, Add	16.32	
22 13 16 00-0574	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	77.49	36.18
			For Work In Restricted Working Space, Add	16.32	
22 13 16 00-0575	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	114.88	45.23
			For Work In Restricted Working Space, Add	20.35	
22 13 16 00-0576	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	116.91	48.05
			For Work In Restricted Working Space, Add	21.64	
22 13 16 00-0577	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	139.60	50.86
			For Work In Restricted Working Space, Add	22.92	
22 13 16 00-0578	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	239.53	53.79
			For Work In Restricted Working Space, Add	24.21	
22 13 16 00-0579	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	303.36	58.19
			For Work In Restricted Working Space, Add	26.22	
22 13 16 00-0580	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	769.15	73.23
			For Work In Restricted Working Space, Add	33.01	
22 13 16 00-0581	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	2,431.89	91.57
			For Work In Restricted Working Space, Add	41.26	
22 13 16 00-0582	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	2,515.04	97.67
			For Work In Restricted Working Space, Add	44.01	
22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0584	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	109.73	40.71
			For Work In Restricted Working Space, Add	18.34	
22 13 16 00-0585	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	149.41	52.07
			For Work In Restricted Working Space, Add	23.47	
22 13 16 00-0586	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	304.76	70.05
			For Work In Restricted Working Space, Add	31.54	
22 13 16 00-0587	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	443.22	81.42
			For Work In Restricted Working Space, Add	36.68	
22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0589	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	134.03	46.46
			For Work In Restricted Working Space, Add	20.91	
22 13 16 00-0590	EA		3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	234.24	55.37
			For Work In Restricted Working Space, Add	24.94	
22 13 16 00-0591	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	270.74	61.12
			For Work In Restricted Working Space, Add	27.51	
22 13 16 00-0592	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	494.54	66.75
			For Work In Restricted Working Space, Add	30.07	
22 13 16 00-0593	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	518.81	75.67
			For Work In Restricted Working Space, Add	34.11	
22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0539)					
22 13 16 00-0595	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	52.89	23.23
			For Work In Restricted Working Space, Add	10.45	
22 13 16 00-0596	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	99.20	27.63
			For Work In Restricted Working Space, Add	12.47	
22 13 16 00-0597	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	94.10	30.57
			For Work In Restricted Working Space, Add	13.75	
22 13 16 00-0598	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	145.60	33.37
			For Work In Restricted Working Space, Add	15.04	
22 13 16 00-0599	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	156.66	37.89
			For Work In Restricted Working Space, Add	17.05	
22 13 16 00-0600	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	570.29	44.01
			For Work In Restricted Working Space, Add	19.80	
22 13 16 00-0601	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	475.28	46.82
			For Work In Restricted Working Space, Add	21.09	
22 13 16 00-0602	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	1,195.32	55.99
			For Work In Restricted Working Space, Add	25.22	
22 13 16 00-0603	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	1,007.54	62.10
			For Work In Restricted Working Space, Add	27.97	
22 13 16 00-0604	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	1,355.52	73.96
			For Work In Restricted Working Space, Add	33.31	
22 13 16 00-0605	EA		10" x 8" Polyvinyl Chloride (PVC) DWV Reducers.....	1,058.39	83.13
			For Work In Restricted Working Space, Add	37.44	
22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0539)					
22 13 16 00-0607	EA		1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	77.43	30.57
			For Work In Restricted Working Space, Add	13.75	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	101.73 17.60	39.12
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	293.24 23.66	52.57
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	602.22 27.51	61.12
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	1,021.87 35.76	79.34
22 13 16 00-0612 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0539)				
22 13 16 00-0613	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	121.70 18.34	40.71
22 13 16 00-0614	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	99.20 17.05	37.89
22 13 16 00-0615 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0539)				
22 13 16 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	78.13 13.75	30.57
22 13 16 00-0617	EA	2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	91.14 17.60	39.12
22 13 16 00-0618	EA	3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	152.28 23.66	52.57
22 13 16 00-0619	EA	4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	228.48 27.51	61.12
22 13 16 00-0620	EA	6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	727.14 35.76	79.34
22 13 16 00-0621	EA	8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	901.72 48.14	106.84
22 13 16 00-0622	EA	10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	1,186.61 64.18	142.42
22 13 16 00-0623 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0539)				
22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	107.75 15.04	33.37
22 13 16 00-0625	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	111.51 16.32	36.18
22 13 16 00-0626	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	157.56 20.35	45.23
22 13 16 00-0627	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	128.89 21.64	48.05
22 13 16 00-0628	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	218.86 22.92	50.86
22 13 16 00-0629	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	190.57 24.21	53.79
22 13 16 00-0630	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	215.69 26.22	58.19
22 13 16 00-0631	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	657.25 31.73	70.41
22 13 16 00-0632	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	815.39 33.01	73.23
22 13 16 00-0633	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	772.85 41.26	91.57
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	977.99 44.01	97.67
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	888.97 51.95	115.28
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	1,111.03 54.71	121.40
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	1,294.77 58.83	130.56
22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0539)				
22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	129.86 18.34	40.71
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	166.60 23.47	52.07
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	333.40 31.54	70.05
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	585.05 36.68	81.42
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,207.04 47.68	105.87
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,396.83 64.18	142.54
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	2,170.13 85.57	189.97
22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0539)				



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0647 EA 2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	150.41 20.91	46.46
22 13 16 00-0648 EA 3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	283.43 24.94	55.37
22 13 16 00-0649 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	261.64 27.51	61.12
22 13 16 00-0650 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	377.66 30.07	66.75
22 13 16 00-0651 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	480.14 34.11	75.67
22 13 16 00-0652 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	742.46 42.18	93.64
22 13 16 00-0653 EA 8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	868.93 50.43	111.98
22 13 16 00-0654 EA 8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	1,107.83 55.93	124.20
22 13 16 00-0655 EA 10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	1,170.00 61.12	135.70
22 13 16 00-0656 EA 10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	1,522.04 66.62	147.92
22 13 16 00-0657 EA 10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... For Work In Restricted Working Space, Add	1,841.93 74.88	166.25
22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0659 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	98.27 13.75	30.57
22 13 16 00-0660 EA 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	122.56 17.60	39.12
22 13 16 00-0661 EA 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	246.71 23.66	52.57
22 13 16 00-0662 EA 4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	440.26 27.51	61.12
22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0664 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	186.68 16.32	36.18
22 13 16 00-0665 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	297.65 20.35	45.23
22 13 16 00-0666 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	215.75 21.64	48.05
22 13 16 00-0667 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	400.22 24.21	53.79
22 13 16 00-0668 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	433.50 26.22	58.19
22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0670 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... For Work In Restricted Working Space, Add	145.49 18.34	40.71
22 13 16 00-0671 EA 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	168.33 23.47	52.07
22 13 16 00-0672 EA 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	261.71 31.54	70.05
22 13 16 00-0673 EA 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	947.16 36.68	81.42
22 13 16 00-0674 EA 6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	3,153.78 47.68	105.87
22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0676 EA 2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... For Work In Restricted Working Space, Add	345.74 20.91	46.46
22 13 16 00-0677 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... For Work In Restricted Working Space, Add	559.38 27.51	61.12
22 13 16 00-0678 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... For Work In Restricted Working Space, Add	971.86 30.07	66.75
22 13 16 00-0679 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... For Work In Restricted Working Space, Add	876.51 34.11	75.67
22 13 16 00-0680 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... For Work In Restricted Working Space, Add	2,097.12 42.18	93.64
22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0539)		
22 13 16 00-0682 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug For Work In Restricted Working Space, Add	212.35 17.60	39.12
22 13 16 00-0683 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug For Work In Restricted Working Space, Add	372.41 23.66	52.57

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	602.31 27.51	61.12
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,602.92 35.76	79.34
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	2,007.78 48.14	106.84
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	2,664.25 64.18	142.42
22 13 16 00-0688		Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0539)		
22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	57.13 9.17	20.41
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	82.00 11.74	26.04
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	118.54 15.77	34.96
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	216.14 18.34	40.71
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	504.93 23.84	52.93
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	1,144.45 32.09	71.27
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	2,116.19 42.76	94.99
22 13 16 00-0696		Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0539)		
22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	38.44 9.17	20.41
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	47.97 11.74	26.04
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	75.20 15.77	34.96
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	98.31 18.34	40.71
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	284.68 23.84	52.93
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	699.78 32.09	71.27
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	1,061.27 42.79	94.99
22 13 16 00-0704		Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0539)		
22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	23.25 4.58	10.14
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	39.16 5.87	13.08
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	80.63 7.89	17.48
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	155.12 9.17	20.41
22 13 16 00-0709		Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
Note: In place piping.				
22 13 16 00-0710	EA	1-1/2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	8.96 7.04	
22 13 16 00-0711	EA	2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	9.86 7.04	
22 13 16 00-0712	EA	3" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	12.55 7.04	
22 13 16 00-0713	EA	4" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	16.93 7.04	
22 13 16 00-0714	EA	6" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	24.19 7.04	
22 13 16 00-0715	EA	8" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	32.26 7.04	
22 13 16 00-0716	EA	10" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	39.44 7.04	
22 13 16 00-0717		Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
Note: Aboveground installation.				
22 13 16 00-0718		Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0717)		
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.				
22 13 16 00-0719	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... <i>For Work In Restricted Working Space, Add</i>	29.78 7.04	5.13
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
22 13 16 00-0720	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... <i>For Work In Restricted Working Space, Add</i>	33.08 7.79	6.11
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				



Plumbing		22	22
Plumbing Piping		22 10	
Facility Sanitary Sewerage		22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0721 LF 3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....45.16 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 9.68		8.81
22 13 16 00-0722 LF 4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....52.02 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 10.75		9.53
22 13 16 00-0723 LF 6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....86.67 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 14.29		12.23
22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0717) Note: Excludes fittings or hangers.		
22 13 16 00-0725 LF 1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe 10.34 <i>For Work In Restricted Working Space, Add</i> 2.29		5.13
22 13 16 00-0726 LF 2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....12.80 <i>For Work In Restricted Working Space, Add</i> 2.75		6.11
22 13 16 00-0727 LF 3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....20.65 <i>For Work In Restricted Working Space, Add</i> 3.94		8.81
22 13 16 00-0728 LF 4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....25.00 <i>For Work In Restricted Working Space, Add</i> 4.28		9.53
22 13 16 00-0729 LF 6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....38.97 <i>For Work In Restricted Working Space, Add</i> 5.12		11.40
22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) (22 13 16 00-0717)		
22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends (22 13 16 00-0730)		
22 13 16 00-0732 EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends 42.08 <i>For Work In Restricted Working Space, Add</i> 9.17		20.41
22 13 16 00-0733 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends 55.53 <i>For Work In Restricted Working Space, Add</i> 11.74		26.04
22 13 16 00-0734 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends 103.23 <i>For Work In Restricted Working Space, Add</i> 15.77		34.96
22 13 16 00-0735 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends 160.38 <i>For Work In Restricted Working Space, Add</i> 18.34		40.71
22 13 16 00-0736 EA 6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends 449.91 <i>For Work In Restricted Working Space, Add</i> 23.84		52.93
22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends (22 13 16 00-0730)		
22 13 16 00-0738 EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends 57.99 <i>For Work In Restricted Working Space, Add</i> 9.17		20.41
22 13 16 00-0739 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends 71.09 <i>For Work In Restricted Working Space, Add</i> 11.74		26.04
22 13 16 00-0740 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends 141.85 <i>For Work In Restricted Working Space, Add</i> 15.77		34.96
22 13 16 00-0741 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends 237.21 <i>For Work In Restricted Working Space, Add</i> 18.34		40.71
22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends (22 13 16 00-0730)		
22 13 16 00-0743 EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends 44.23 <i>For Work In Restricted Working Space, Add</i> 9.17		20.41
22 13 16 00-0744 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends 54.03 <i>For Work In Restricted Working Space, Add</i> 11.74		26.04
22 13 16 00-0745 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends 95.31 <i>For Work In Restricted Working Space, Add</i> 15.77		34.96
22 13 16 00-0746 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends 145.75 <i>For Work In Restricted Working Space, Add</i> 18.34		40.71
22 13 16 00-0747 EA 6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends 465.33 <i>For Work In Restricted Working Space, Add</i> 23.84		52.93
22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-0730)		
22 13 16 00-0749 EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees 65.44 <i>For Work In Restricted Working Space, Add</i> 13.75		30.57
22 13 16 00-0750 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees 88.14 <i>For Work In Restricted Working Space, Add</i> 17.60		39.12
22 13 16 00-0751 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees 153.91 <i>For Work In Restricted Working Space, Add</i> 23.66		52.57
22 13 16 00-0752 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees 235.91 <i>For Work In Restricted Working Space, Add</i> 27.51		61.12
22 13 16 00-0753 EA 6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees 900.93 <i>For Work In Restricted Working Space, Add</i> 35.76		79.34



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0754		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0730)		
22 13 16 00-0755	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	81.37	33.37
		<i>For Work In Restricted Working Space, Add</i>	15.04	
22 13 16 00-0756	EA	2" x 1-1/2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	98.28	36.18
		<i>For Work In Restricted Working Space, Add</i>	16.32	
22 13 16 00-0757	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	82.64	36.18
		<i>For Work In Restricted Working Space, Add</i>	16.32	
22 13 16 00-0758	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	125.17	45.23
		<i>For Work In Restricted Working Space, Add</i>	20.35	
22 13 16 00-0759	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	129.98	48.05
		<i>For Work In Restricted Working Space, Add</i>	21.64	
22 13 16 00-0760	EA	4" x 4" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	284.28	50.86
		<i>For Work In Restricted Working Space, Add</i>	22.92	
22 13 16 00-0761	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	274.73	53.79
		<i>For Work In Restricted Working Space, Add</i>	24.21	
22 13 16 00-0762	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	314.95	58.19
		<i>For Work In Restricted Working Space, Add</i>	26.22	
22 13 16 00-0763	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	984.05	73.23
		<i>For Work In Restricted Working Space, Add</i>	33.01	
22 13 16 00-0764		Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0730)		
22 13 16 00-0765	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	120.65	40.71
		<i>For Work In Restricted Working Space, Add</i>	18.34	
22 13 16 00-0766	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	165.10	52.07
		<i>For Work In Restricted Working Space, Add</i>	23.47	
22 13 16 00-0767	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	349.13	70.05
		<i>For Work In Restricted Working Space, Add</i>	31.54	
22 13 16 00-0768	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	513.31	81.42
		<i>For Work In Restricted Working Space, Add</i>	36.68	
22 13 16 00-0769		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0730)		
22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	137.22	46.46
		<i>For Work In Restricted Working Space, Add</i>	20.91	
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	207.49	55.37
		<i>For Work In Restricted Working Space, Add</i>	24.94	
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	238.83	61.12
		<i>For Work In Restricted Working Space, Add</i>	27.51	
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	417.60	62.28
		<i>For Work In Restricted Working Space, Add</i>	28.06	
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	439.09	70.61
		<i>For Work In Restricted Working Space, Add</i>	31.82	
22 13 16 00-0775		Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0730)		
22 13 16 00-0776	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	85.30	30.57
		<i>For Work In Restricted Working Space, Add</i>	13.75	
22 13 16 00-0777	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	99.19	39.12
		<i>For Work In Restricted Working Space, Add</i>	17.60	
22 13 16 00-0778	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	168.51	52.57
		<i>For Work In Restricted Working Space, Add</i>	23.66	
22 13 16 00-0779	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	258.73	61.12
		<i>For Work In Restricted Working Space, Add</i>	27.51	
22 13 16 00-0780	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	732.14	79.34
		<i>For Work In Restricted Working Space, Add</i>	35.76	
22 13 16 00-0781		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0730)		
22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	120.52	33.37
		<i>For Work In Restricted Working Space, Add</i>	15.04	
22 13 16 00-0783	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	124.08	36.18
		<i>For Work In Restricted Working Space, Add</i>	16.32	
22 13 16 00-0784	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	141.80	48.05
		<i>For Work In Restricted Working Space, Add</i>	21.64	
22 13 16 00-0785	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	214.90	53.79
		<i>For Work In Restricted Working Space, Add</i>	24.21	
22 13 16 00-0786	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	244.21	58.19
		<i>For Work In Restricted Working Space, Add</i>	26.22	
22 13 16 00-0787	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	616.44	73.23
		<i>For Work In Restricted Working Space, Add</i>	33.01	
22 13 16 00-0788		Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0730)		
22 13 16 00-0789	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	145.04	40.71
		<i>For Work In Restricted Working Space, Add</i>	18.34	
22 13 16 00-0790	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	186.18	52.07
		<i>For Work In Restricted Working Space, Add</i>	23.47	
22 13 16 00-0791	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	384.18	70.05
		<i>For Work In Restricted Working Space, Add</i>	31.54	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0792 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes For Work In Restricted Working Space, Add	687.53 36.68	81.42
22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes (22 13 16 00-0730)		
22 13 16 00-0794 EA 2" x 2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes For Work In Restricted Working Space, Add	168.27 20.91	46.46
22 13 16 00-0795 EA 3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes For Work In Restricted Working Space, Add	279.97 24.94	55.37
22 13 16 00-0796 EA 3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes For Work In Restricted Working Space, Add	298.86 27.51	61.12
22 13 16 00-0797 EA 4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes For Work In Restricted Working Space, Add	439.16 30.07	66.75
22 13 16 00-0798 EA 4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes For Work In Restricted Working Space, Add	561.37 34.11	75.67
22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend (22 13 16 00-0730)		
22 13 16 00-0800 EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	108.87 13.75	30.57
22 13 16 00-0801 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	140.59 17.60	39.12
22 13 16 00-0802 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	213.81 23.66	52.57
22 13 16 00-0803 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	350.49 25.67	57.04
22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend (22 13 16 00-0730)		
22 13 16 00-0805 EA 2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	120.73 16.32	36.18
22 13 16 00-0806 EA 3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	224.91 20.35	45.23
22 13 16 00-0807 EA 3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	170.27 21.64	48.05
22 13 16 00-0808 EA 4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	299.32 24.21	53.79
22 13 16 00-0809 EA 4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	324.16 26.22	58.19
22 13 16 00-0810 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend (22 13 16 00-0730)		
22 13 16 00-0811 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	226.52 23.47	52.07
22 13 16 00-0812 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	447.14 31.54	70.05
22 13 16 00-0813 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend (22 13 16 00-0730)		
22 13 16 00-0814 EA 2" x 2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	189.02 20.91	46.46
22 13 16 00-0815 EA 3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	427.86 27.51	61.12
22 13 16 00-0816 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug (22 13 16 00-0730)		
22 13 16 00-0817 EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug For Work In Restricted Working Space, Add	119.97 13.75	30.57
22 13 16 00-0818 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug For Work In Restricted Working Space, Add	151.69 17.60	39.12
22 13 16 00-0819 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug For Work In Restricted Working Space, Add	238.62 23.66	52.57
22 13 16 00-0820 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug For Work In Restricted Working Space, Add	390.34 27.51	61.12
22 13 16 00-0821 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug (22 13 16 00-0730)		
22 13 16 00-0822 EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug For Work In Restricted Working Space, Add	55.98 9.17	20.41
22 13 16 00-0823 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug For Work In Restricted Working Space, Add	80.13 11.74	26.04
22 13 16 00-0824 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug For Work In Restricted Working Space, Add	115.60 15.77	34.96

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0825	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	209.50 18.34	40.71
22 13 16 00-0826	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	486.82 23.84	52.93
22 13 16 00-0827		Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0730)		
22 13 16 00-0828	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	39.33 9.17	20.41
22 13 16 00-0829	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	48.36 11.74	26.04
22 13 16 00-0830	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	77.69 15.77	34.96
22 13 16 00-0831	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	102.54 18.34	40.71
22 13 16 00-0832	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	284.19 23.84	52.93
22 13 16 00-0833		Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0730)		
22 13 16 00-0834	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	57.05 10.45	23.23
22 13 16 00-0835	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	111.97 12.47	27.63
22 13 16 00-0836	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	104.87 13.75	30.57
22 13 16 00-0837	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	166.56 15.04	33.37
22 13 16 00-0838	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	178.66 17.05	37.89
22 13 16 00-0839		Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0730)		
22 13 16 00-0840	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	88.89 13.75	30.57
22 13 16 00-0841	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	128.36 17.60	39.12
22 13 16 00-0842	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	398.01 23.66	52.57
22 13 16 00-0843	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	745.56 27.51	61.12
22 13 16 00-0844		Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0730)		
22 13 16 00-0845	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	121.23 18.34	40.71
22 13 16 00-0846	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	113.22 17.05	37.89
22 13 16 00-0847		Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0730)		
22 13 16 00-0848	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	26.45 4.58	10.14
22 13 16 00-0849	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	39.37 5.87	13.08
22 13 16 00-0850	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	84.01 7.89	17.48
22 13 16 00-0851	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	158.25 9.17	20.41
22 13 16 00-0852		Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0730)		
22 13 16 00-0853	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	44.08 10.45	23.23
22 13 16 00-0854	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	91.39 12.47	27.63
22 13 16 00-0855	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	77.50 13.75	30.57
22 13 16 00-0856	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	164.95 15.04	33.37
22 13 16 00-0857	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	123.38 17.05	37.89
22 13 16 00-0858	EA	6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	326.53 19.68	43.69
22 13 16 00-0859		Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0730)		
22 13 16 00-0860	EA	1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	160.77 9.17	20.41
22 13 16 00-0861	EA	2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	178.00 11.74	26.04



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0862	EA	3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	200.13 15.77	34.96
22 13 16 00-0863	EA	4" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	217.36 18.34	40.71
22 13 16 00-0864		Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-0717) Note: In place piping.		
22 13 16 00-0865	EA	1-1/2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	8.96	
22 13 16 00-0866	EA	2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	9.86	
22 13 16 00-0867	EA	3" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	12.55	
22 13 16 00-0868	EA	4" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	16.93	
22 13 16 00-0869	EA	6" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	24.19	
22 13 16 00-0870		Elastomeric Flexible Pipe Couplings (22 13 16)		
22 13 16 00-0871		Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings (22 13 16 00-0870) Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA	1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)..... <i>For Work In Restricted Working Space, Add</i>	15.28 3.19	5.31
22 13 16 00-0873	EA	1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)..... <i>For Work In Restricted Working Space, Add</i>	16.45 3.39	5.64
22 13 16 00-0874	EA	2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)..... <i>For Work In Restricted Working Space, Add</i>	17.30 3.59	5.98
22 13 16 00-0875	EA	3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)..... <i>For Work In Restricted Working Space, Add</i>	19.85 3.79	6.31
22 13 16 00-0876	EA	4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)..... <i>For Work In Restricted Working Space, Add</i>	22.33 3.98	6.64
22 13 16 00-0877	EA	5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)..... <i>For Work In Restricted Working Space, Add</i>	28.13 4.18	6.97
22 13 16 00-0878	EA	6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)..... <i>For Work In Restricted Working Space, Add</i>	33.97 4.38	7.30
22 13 16 00-0879	EA	8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)..... <i>For Work In Restricted Working Space, Add</i>	45.72 4.78	7.97
22 13 16 00-0880	EA	10" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)..... <i>For Work In Restricted Working Space, Add</i>	59.99 5.58	9.30
22 13 16 00-0881		Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings (22 13 16 00-0870) Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA	1-1/2" Diameter x 1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)..... <i>For Work In Restricted Working Space, Add</i>	16.27 3.39	5.64
22 13 16 00-0883	EA	2" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)..... <i>For Work In Restricted Working Space, Add</i>	17.60 3.59	5.98
22 13 16 00-0884	EA	3" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)..... <i>For Work In Restricted Working Space, Add</i>	21.35 3.79	6.31
22 13 16 00-0885	EA	3" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)..... <i>For Work In Restricted Working Space, Add</i>	19.31 3.79	6.31
22 13 16 00-0886	EA	4" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)..... <i>For Work In Restricted Working Space, Add</i>	26.01 3.98	6.64
22 13 16 00-0887	EA	4" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)..... <i>For Work In Restricted Working Space, Add</i>	24.97 3.98	6.64
22 13 16 00-0888	EA	4" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)..... <i>For Work In Restricted Working Space, Add</i>	23.03 3.98	6.64
22 13 16 00-0889	EA	5" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)..... <i>For Work In Restricted Working Space, Add</i>	32.67 4.18	6.97
22 13 16 00-0890	EA	5" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)..... <i>For Work In Restricted Working Space, Add</i>	29.71 4.18	6.97
22 13 16 00-0891	EA	6" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)..... <i>For Work In Restricted Working Space, Add</i>	40.09 4.38	7.30
22 13 16 00-0892	EA	6" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)..... <i>For Work In Restricted Working Space, Add</i>	35.66 4.38	7.30
22 13 16 00-0893	EA	6" Diameter x 5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)..... <i>For Work In Restricted Working Space, Add</i>	36.89 4.38	7.30
22 13 16 00-0894	EA	8" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)..... <i>For Work In Restricted Working Space, Add</i>	72.14 7.97	13.28

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0895 EA 8" Diameter x 6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86).....	59.86	13.28
For Work In Restricted Working Space, Add	7.97	
22 13 16 00-0896 EA 10" Diameter x 8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8).....	75.22	14.94
For Work In Restricted Working Space, Add	8.96	
22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC) (22 13 16) Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898 EA 1-1/2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-101).....	58.05	35.84
22 13 16 00-0899 EA 2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-102).....	62.21	38.11
22 13 16 00-0900 EA 3" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-103).....	71.97	43.68
22 13 16 00-0901 EA 4" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-104).....	94.99	57.76
22 13 16 00-0902 EA 5" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-105).....	113.83	69.04
22 13 16 00-0903 EA 6" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-106).....	131.39	79.67
22 13 16 00-0904 EA 8" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-108).....	175.39	100.90
22 13 16 00-0905 EA 10" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-110).....	214.10	112.85
22 13 16 00-0906 EA 12" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-112).....	268.41	125.47
22 13 16 00-0907 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) (22 13 16)		
22 13 16 00-0908 EA 1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	107.21	27.51
22 13 16 00-0909 EA 2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	113.32	30.57
22 13 16 00-0910 EA 3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	168.94	39.73
22 13 16 00-0911 EA 4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	197.95	45.84
22 13 16 00-0912 EA 5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	230.67	51.95
22 13 16 00-0913 EA 6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	384.56	58.07
22 13 16 00-0914 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)		
22 13 16 00-0915 EA 1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	217.92	27.51
22 13 16 00-0916 EA 2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	224.03	30.57
22 13 16 00-0917 EA 3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	266.73	39.73
22 13 16 00-0918 EA 4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	333.25	45.84
22 13 16 00-0919 EA 5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	454.09	51.95
22 13 16 00-0920 EA 6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	466.31	58.07
22 13 16 00-0921 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16) Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0922 EA 1-1/2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap.....	412.65	27.51
22 13 16 00-0923 EA 2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap.....	418.76	30.57
22 13 16 00-0924 EA 3" Diameter, Cast Iron Vandal Proof Hooded Vent Cap.....	481.81	39.73
22 13 16 00-0925 EA 4" Diameter, Cast Iron Vandal Proof Hooded Vent Cap.....	542.47	45.84
22 13 16 00-0926 EA 5" Diameter, Cast Iron Vandal Proof Hooded Vent Cap.....	632.93	51.95
22 13 16 00-0927 EA 6" Diameter, Cast Iron Vandal Proof Hooded Vent Cap.....	691.72	58.07
22 13 19 Sanitary Waste Piping Specialties (22 13)		
22 13 19 13 Sanitary Drains (22 13 19)		
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002 EA Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	863.58	131.42
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0003 EA Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	949.07	147.31
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0004 EA Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	926.78	162.95
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0005 EA Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	960.34	179.83
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0006 EA Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet.....	867.67	147.31
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0007	EA		Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	899.09	162.95
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0008	EA		Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	932.65	179.83
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0009	EA		Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,438.00	147.31
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0010	EA		Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,469.42	162.95
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0011	EA		Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,502.98	179.83
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0012	EA		Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,354.94	147.31
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0013	EA		Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,386.19	162.95
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0014	EA		Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,419.92	179.83
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0015	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,487.70	147.19
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0016 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,519.09	162.95
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0017 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,552.82	179.83
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0018 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,340.43	147.19
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0019 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,371.82	162.95
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0020 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,405.55	179.83
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0021 EA Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,226.91	147.19
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0022 EA Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,258.30	162.95
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0023 EA Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,292.03	179.83
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)		
22 13 19 13-0025 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,025.34	147.19
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
For Sediment Bucket, Add	22.50	



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Sanitary Sewerage	22 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	.....	1,057.08	163.08
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	.....	1,090.46	179.83
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	.....	1,108.40	147.19
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	.....	1,140.14	163.08
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	.....	1,173.52	179.83
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	.....	1,473.85	147.19
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	.....	1,505.59	163.08
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	.....	1,538.97	179.83
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	.....	964.43	147.19
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	.....	996.17	163.08
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	.....	1,029.55	179.83
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	.....	1,069.64	147.19
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	.....	1,101.38	163.08
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	.....	1,134.76	179.83
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	.....	1,365.88	147.19
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	.....	1,397.62	163.08
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	.....	1,431.00	179.83
		For Vandal Proof Screws, Add	.....	11.00	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Sediment Bucket, Add	.....	22.50	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	.....	3,534.98	163.08
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For Chained Grate, Add	.....	48.50	
		For No-Hub Side Outlet, Add	.....	76.00	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	.....	3,568.36	179.83
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For Chained Grate, Add	.....	48.50	
		For No-Hub Side Outlet, Add	.....	76.00	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	.....	4,437.54	163.08
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For Chained Grate, Add	.....	48.50	
		For No-Hub Side Outlet, Add	.....	76.00	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	.....	4,470.92	179.83
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For Chained Grate, Add	.....	48.50	
		For No-Hub Side Outlet, Add	.....	76.00	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	4,329.57	163.08
		For Galvanized Cast Iron Parts, Add	318.00	
		For Chained Grate, Add	48.50	
		For No-Hub Side Outlet, Add	76.00	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	4,362.95	179.83
		For Galvanized Cast Iron Parts, Add	318.00	
		For Chained Grate, Add	48.50	
		For No-Hub Side Outlet, Add	76.00	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,496.00	147.19
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,527.74	163.08
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,561.12	179.83
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,925.14	147.19
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,956.88	163.08
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,990.26	179.83
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,024.81	147.19
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,056.55	163.08
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,089.93	179.83
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,797.24	147.19
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,828.98	163.08
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,862.36	179.83
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,407.41	147.19
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,439.15	163.08
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,472.53	179.83
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,772.86	147.19
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,804.60	163.08
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,837.98	179.83
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,872.53	147.19
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,904.27		163.08
		For Vandal Proof Screws, Add	11.00		
		For Rough Bronze Body, Add	120.94		
		For Sediment Bucket, Add	22.50		
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,937.65		179.83
		For Vandal Proof Screws, Add	11.00		
		For Rough Bronze Body, Add	120.94		
		For Sediment Bucket, Add	22.50		
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top.....	2,501.00		147.19
		For Vandal Proof Screws, Add	11.00		
		For Rough Bronze Body, Add	120.94		
		For Sediment Bucket, Add	22.50		
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top.....	2,532.74		163.08
		For Vandal Proof Screws, Add	11.00		
		For Rough Bronze Body, Add	120.94		
		For Sediment Bucket, Add	22.50		
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top.....	2,566.12		179.83
		For Vandal Proof Screws, Add	11.00		
		For Rough Bronze Body, Add	120.94		
		For Sediment Bucket, Add	22.50		
22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)					
22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top.....	1,411.87		131.42
		For Vandal Proof Screws, Add	11.00		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top.....	1,443.40		147.19
		For Vandal Proof Screws, Add	11.00		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top.....	1,474.79		162.95
		For Vandal Proof Screws, Add	11.00		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top.....	1,508.52		179.83
		For Vandal Proof Screws, Add	11.00		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	2,066.33		147.19
		For Vandal Proof Screws, Add	11.00		
		For Primer Tap, Add	15.10		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	2,097.72		162.95
		For Vandal Proof Screws, Add	11.00		
		For Primer Tap, Add	15.10		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	2,131.45		179.83
		For Vandal Proof Screws, Add	11.00		
		For Primer Tap, Add	15.10		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	1,958.36		147.19
		For Vandal Proof Screws, Add	11.00		
		For Primer Tap, Add	15.10		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top.....	1,989.75		162.95
		For Vandal Proof Screws, Add	11.00		
		For Primer Tap, Add	15.10		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top.....	2,023.48		179.83
		For Vandal Proof Screws, Add	11.00		
		For Primer Tap, Add	15.10		
		For Galvanized Cast Iron Parts, Add	105.00		
		For Satin Finish Bronze Top, Deduct	-19.50		
22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)					
22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,995.40		131.42
		For Vandal Proof Screws, Add	30.50		
		For Galvanized Cast Iron Parts, Add	247.00		
		For Primer Tap, Add	33.50		
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,027.04		147.19
		For Vandal Proof Screws, Add	30.50		
		For Galvanized Cast Iron Parts, Add	247.00		
		For Primer Tap, Add	33.50		
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,058.43		162.95
		For Vandal Proof Screws, Add	30.50		
		For Galvanized Cast Iron Parts, Add	247.00		
		For Primer Tap, Add	33.50		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0088 EA 12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,092.16	179.83
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
For Primer Tap, Add	33.50	
22 13 19 13-0089 EA 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,126.96	197.18
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
For Primer Tap, Add	33.50	
22 13 19 13-0090 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	3,237.45	147.19
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0091 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	3,269.19	163.08
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0092 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	3,302.57	179.83
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0093 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	3,337.37	197.18
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0094 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	1,988.81	147.19
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0095 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	2,020.55	163.08
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	2,053.93	179.83
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	2,088.73	197.18
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	3,021.50	147.19
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	3,053.24	163.08
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	3,086.62	179.83
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron		
Grate.....	3,121.42	197.18
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	

22 13 19 13-0102 Other Drains (22 13 19 13)

22 13 19 13-0103 Shower Drains (22 13 19 13-0102)



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	54.97	13.28
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	61.10	13.28
22 13 19 13-0106	EA	4" Diameter, Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe..... Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	126.83	26.56
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	113.11	26.56
22 13 19 13-0108 Acid Resistant Floor Drains (22 13 19 13-0102)				
22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add For Primer Tap, Add	1,422.83 30.50 87.50 33.50	131.42
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add For Primer Tap, Add	1,454.47 30.50 87.50 33.50	147.19
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add For Primer Tap, Add	1,485.86 30.50 87.50 33.50	162.95
22 13 19 13-0112 Rotary And Lever Drains (22 13 19 13-0102)				
22 13 19 13-0113	EA	1-1/2" Drain, 3" Sink Opening Lever Drain	292.55	88.63
22 13 19 13-0114	EA	2" Drain, 3" Sink Opening Lever Drain	310.88	97.80
22 13 19 13-0115	EA	1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	292.55	88.63
22 13 19 13-0116	EA	2" Drain, 3-1/2" Sink Opening Lever Drain	310.88	97.80
22 13 19 13-0117	EA	1-1/2" Drain, 3" Sink Opening Twist Drain	292.55	88.63
22 13 19 13-0118	EA	2" Drain, 3" Sink Opening Twist Drain	310.88	97.80
22 13 19 13-0119	EA	1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	292.55	88.63
22 13 19 13-0120	EA	2" Drain, 3-1/2" Sink Opening Twist Drain	310.88	97.80
22 13 19 13-0121	EA	1-1/2" To 2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	399.83	97.80
22 13 19 13-0122 Floor Receptor (22 13 19 13)				
22 13 19 13-0123 9" Diameter Round Shallow Receptor (22 13 19 13-0122) Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.				
22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection For Flange With Seepage Holes, Add For Flange With Seepage Holes And Clamp Collar, Add For Trap Primer Connection, Add For Full Grate With 2" Square Center Opening, Add For Vandal Proof Secured Grate, Add For White Acid Resistant Bucket, Add For Stainless Steel Liner For Bucket, Add	1,745.38 58.50 97.00 38.00 36.00 33.50 47.00 62.50	147.31
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection For Flange With Seepage Holes, Add For Flange With Seepage Holes And Clamp Collar, Add For Trap Primer Connection, Add For Full Grate With 2" Square Center Opening, Add For Vandal Proof Secured Grate, Add For White Acid Resistant Bucket, Add For Stainless Steel Liner For Bucket, Add	1,777.27 58.50 97.00 38.00 36.00 33.50 47.00 62.50	163.20
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection For Flange With Seepage Holes, Add For Flange With Seepage Holes And Clamp Collar, Add For Trap Primer Connection, Add For Full Grate With 2" Square Center Opening, Add For Vandal Proof Secured Grate, Add For White Acid Resistant Bucket, Add For Stainless Steel Liner For Bucket, Add	1,810.30 58.50 97.00 38.00 36.00 33.50 47.00 62.50	179.83
22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122) Note: With acid resistant coating.				
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top For Flange With Seepage Holes, Add For Flange With Seepage Holes And Clamp Collar, Add For Trap Primer Connection, Add For Full Grate With 2" Square Center Opening, Add For Vandal Proof Secured Grate, Add For White Acid Resistant Bucket, Add For Stainless Steel Liner For Bucket, Add	2,056.95 37.50 69.00 39.50 36.00 15.50 88.00 97.00	131.42

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	2,088.62 37.50 69.00 39.50 36.00 15.50 88.00 97.00	147.31
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	2,119.87 37.50 69.00 39.50 36.00 15.50 88.00 97.00	162.95
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	2,153.60 37.50 69.00 39.50 36.00 15.50 88.00 97.00	179.83
22 13 19 13-0132		Floor Drain Accessories (22 13 19 13)		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H)..... Note: Prevents emission of sewer gases.	117.55	15.28
22 13 19 13-0134	EA	2" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)..... Note: Prevents emission of sewer gases.	95.80	15.28
22 13 19 13-0135	EA	3" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)..... Note: Prevents emission of sewer gases.	104.50	15.28
22 13 19 13-0136	EA	3" Diameter, Trap Guard Drain Insert For 4" Diameter, Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)..... Note: Prevents emission of sewer gases.	126.24	15.28
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)..... Note: Prevents emission of sewer gases.	113.20	15.28
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	161.27	15.28
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	178.77	15.28
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	222.19	15.28
22 13 19 26		Grease Removal Devices (22 13 19)		
22 13 19 26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60102H. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,364.62 1,341.77	91.69
22 13 19 26-0004	EA	10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60103H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,591.27 397.69 1,419.74	206.29
22 13 19 26-0005	EA	15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60104H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	2,254.40 412.97 1,551.14	229.22
22 13 19 26-0006	EA	20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60105H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	2,721.44 428.25 1,677.10	252.13
22 13 19 26-0007	EA	25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60106H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	3,046.50 473.93 1,748.34	275.06
22 13 19 26-0008	EA	35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60107H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	3,740.19 515.70 1,926.66	320.90
22 13 19 26-0009	EA	50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60108H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	4,875.62 587.22 2,057.94	366.74
22 13 19 26-0010	EA	75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60109H. <i>For Flange And Clamp Device, Add</i>	9,565.29 819.06	412.59



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0011	EA	100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60110H. <i>For Flange And Clamp Device, Add</i>	10,816.32 945.13	505.69
22 13 19 26-0012	EA	150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	13,353.71 1,307.41	809.11
22 13 19 26-0013	EA	200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60214A. <i>For Flange And Clamp Device, Add</i>	19,155.73 1,571.54	1,011.39
22 13 19 26-0014	EA	250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	22,347.10 2,019.35	1,213.67
22 13 19 26-0015	EA	350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60216A. <i>For Flange And Clamp Device, Add</i>	29,029.59 2,391.96	1,415.94
22 13 19 26-0016	EA	500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	37,547.42 2,800.10	1,618.22
22 13 19 26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	3,911.45	252.13
22 13 19 26-0019	EA	35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	5,031.62	320.90
22 13 19 26-0020	EA	50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	8,289.36	366.74
22 13 19 26-0021		Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	3,435.11 1,341.77	91.69
22 13 19 26-0024	EA	10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	4,038.89 1,419.74	206.29
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	4,315.87 1,551.14	229.22
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	5,265.22 1,677.10	252.13
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	6,345.30 1,748.34	275.06
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	6,563.44 1,926.66	320.90
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	7,492.27 2,057.94	366.74
22 13 19 26-0030		Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	8,811.23	320.90
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor (22 13 19 26) Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,520.15	252.13
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,742.90	275.06
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,498.52	320.90
22 13 19 26-0036		Precast Concrete Grease Interceptor (22 13 19 26) Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	5,653.84	453.04
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	6,462.70	453.04
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	7,335.38	517.94
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	8,360.63	731.45



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor.....	9,428.39	984.12
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor.....	14,124.77	1,294.78
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor.....	18,176.59	2,123.23
22 13 19 26-0044		Coated Steel Manual Oil Interceptor (22 13 19 26)		
		Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,813.58	349.19
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	7,848.10	414.91
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	9,501.41	510.50
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	10,318.76	552.98
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	12,405.38	603.44
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	16,392.13	663.85
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	27,618.54	764.05
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	30,165.23	940.08
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	37,076.08	1,018.94
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	51,949.06	1,222.48
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	59,955.82	1,314.16
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	75,567.09	1,567.22
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	91,425.58	1,284.21
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	108,301.72	1,528.10
22 13 19 33		Backwater Valves (22 13 19)		
22 13 19 33-0001		Cast Iron Body Terminal Backwater Valves (22 13 19 33)		
22 13 19 33-0002	EA	2" Diameter, Cast Iron Body Terminal Backwater Valve.....	773.68	35.08
22 13 19 33-0003	EA	3" Diameter, Cast Iron Body Terminal Backwater Valve.....	787.12	44.13
22 13 19 33-0004	EA	4" Diameter, Cast Iron Body Terminal Backwater Valve.....	1,139.17	58.68
22 13 19 33-0005	EA	6" Diameter, Cast Iron Body Terminal Backwater Valve.....	3,123.60	79.74
22 13 19 33-0006	EA	8" Diameter, Cast Iron Body Terminal Backwater Valve.....	3,813.47	104.94
22 13 19 33-0007	EA	10" Diameter, Cast Iron Body Terminal Backwater Valve.....	11,182.92	129.48
22 13 19 33-0008	EA	12" Diameter, Cast Iron Body Terminal Backwater Valve.....	12,650.23	167.92
22 13 19 33-0009		Cast Iron Backwater Sewer Line Valve (22 13 19 33)		
		Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,895.81	83.65
22 13 19 33-0011	EA	3" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,913.97	101.47
22 13 19 33-0012	EA	4" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	3,599.03	130.81
22 13 19 33-0013	EA	6" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	5,082.88	144.87
22 13 19 33-0014	EA	8" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	7,078.50	171.68
22 13 19 33-0015		Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)		
		Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	5,279.48	132.40
22 13 19 33-0017	EA	4" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	5,345.00	176.04
22 13 19 33-0018	EA	5" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	7,803.91	214.57
22 13 19 33-0019	EA	6" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	7,841.21	239.20
22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)		
		Note: Oatey.		
22 13 19 33-0021	EA	3" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	151.18	44.13
22 13 19 33-0022	EA	4" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	181.77	58.68
22 13 19 33-0023	EA	6" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	519.38	79.74
22 13 19 33-0024		Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)		
22 13 19 33-0025	EA	3" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	354.64	88.26
		Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026	EA	4" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	472.24	117.36
		Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027	EA	6" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	806.31	159.48
		Note: Includes valve body, flapper assembly and collar.		
22 13 19 36		Air-Admittance Valves (22 13 19)		
22 13 19 36-0001		Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC)		
		Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	174.69	17.12
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	207.20	17.12
22 13 23		Sanitary Waste Interceptors (22 13)		
22 13 23 00-0001		Sediment Bucket Solids Interceptors (22 13 23)		



	Plumbing	22	
	Plumbing Piping	22 10	22
	Facility Sanitary Sewerage	22 13	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	1,339.10		173.11
		Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	1,340.76		173.11
		Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....	1,879.63		173.11
		Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0).....	1,879.63		173.11
		Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)	2,001.62		173.11
		Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0007		Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)			
22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	340.99		59.21
		For Stainless Steel Bucket, Add	175.00		
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	348.56		63.07
		For Stainless Steel Bucket, Add	175.00		
22 13 23 00-0010		Sediment Strainers (22 13 23)			
22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	209.83		80.75
22 13 29		Sanitary Sewerage Pumps (22 13)			
		Note: Includes extra set of gaskets, bearings and seals.			
22 13 29 13		Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)			
22 13 29 13-0001		Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-DeMing Series 4500) (22 13 29 13)			
		Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.			
22 13 29 13-0002		1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)			
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,092.76		1,466.49
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,409.91		1,466.49
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM.....	8,727.06		1,466.49
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	9,029.57		1,466.49
22 13 29 13-0007		2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)			
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	8,971.02		1,466.49
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,093.00		1,466.49
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,178.39		1,466.49
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,763.89		1,466.49
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,337.20		1,466.49
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM...	11,215.45		1,466.49
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	12,093.71		1,466.49
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM.....	13,942.14		1,951.57
22 13 29 13-0016		3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)			
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,582.22		1,466.49
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,582.22		1,466.49
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,793.55		1,466.49
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM...	11,433.35		1,466.49
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM.....	11,721.00		1,466.49
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	14,043.33		1,951.57
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	14,775.21		1,951.57
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)			
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22		
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44		
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37		
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67		
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0030			Float Switches (22 13 29 13-0001) Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA		Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA		Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA		Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034			Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035	EA		24" Steel Sump Covers, Square Or Round	770.65	48.90
22 13 29 13-0036	EA		30" Steel Sump Covers, Square Or Round	853.32	55.01
22 13 29 13-0037	EA		36" Steel Sump Covers, Square Or Round	1,183.18	73.35
22 13 29 13-0038	EA		40" Steel Sump Covers, Square Or Round	1,710.97	85.58
22 13 29 13-0039	EA		42" Steel Sump Covers, Square Or Round	1,833.31	88.63
22 13 29 13-0040	EA		48" Steel Sump Covers, Square Or Round	1,959.55	91.69
22 13 29 13-0041	EA		54" Steel Sump Covers, Square Or Round	2,494.23	110.02
22 13 29 13-0042	EA		60" Steel Sump Covers, Square Or Round	3,370.79	122.25
22 13 29 13-0043	EA		72" Steel Sump Covers, Square Or Round	4,274.46	152.81
22 13 29 13-0044	EA		84" Steel Sump Covers, Square Or Round	5,426.03	168.09
22 13 29 16			Submersible Sewerage Pumps (22 13 29)		
22 13 29 16-0001			Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002			Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001) Note: Includes 25' cord.		
22 13 29 16-0003	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,607.22	88.95
22 13 29 16-0004	EA		1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,713.03	88.95
22 13 29 16-0005	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,680.47	88.95
22 13 29 16-0006	EA		1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,836.48	88.95
22 13 29 16-0007	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,836.48	88.95
22 13 29 16-0008	EA		1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,943.56	111.19
22 13 29 16-0009	EA		1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,081.93	111.19
22 13 29 16-0010	EA		1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,099.57	111.19
22 13 29 16-0011			Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001) Note: Includes 20' cord.		
22 13 29 16-0012	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,637.06	88.95
22 13 29 16-0013	EA		1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,789.00	88.95
22 13 29 16-0014	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,717.10	88.95
22 13 29 16-0015	EA		1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,863.61	88.95
22 13 29 16-0016	EA		1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,995.20	88.95
22 13 29 16-0017	EA		1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,859.45	111.19
22 13 29 16-0018	EA		1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,016.82	111.19
22 13 29 16-0019	EA		1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,015.46	111.19
22 13 29 16-0020	EA		1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,312.30	179.24
22 13 29 16-0021	EA		1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,445.24	179.24
22 13 29 16-0022	EA		1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,468.30	179.24
22 13 29 16-0023	EA		2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,476.27	219.07
22 13 29 16-0024	EA		2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,628.21	219.07
22 13 29 16-0025	EA		2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,632.28	219.07
22 13 29 16-0026			Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001) Note: Includes 20' cord.		
22 13 29 16-0027	EA		1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,940.94	88.95



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,198.70	88.95
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller.....	2,148.41	111.19
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller.....	2,304.42	111.19
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,622.96	179.24
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,778.97	179.24
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,788.29	219.07
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,944.29	219.07
22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)				
Note: Includes 25' of cord with pump.				
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	4,886.36	111.19
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,203.12	177.21
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,568.86	216.59
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,821.19	262.54
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	6,531.00	308.48
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	7,294.33	354.42
22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof (22 13 29 16)				
Note: Includes 25' of cord with pump.				
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,713.23	398.45
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,116.57	398.45
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,116.57	398.45
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,093.22	531.27
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,496.56	531.27
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,496.56	531.27
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,596.27	664.08
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,999.61	664.08
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,999.61	664.08
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,983.73	796.90
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,387.07	796.90
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,387.07	796.90
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,926.82	929.71
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,330.16	929.71
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,330.16	929.71
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	10,286.93	1,062.53
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	10,286.93	1,062.53
22 13 29 16-0060 Submersible Sewage Pump Accessories (22 13 29 16)				
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	788.61	100.73
Note: Includes alarm horn, warning light and alarm float switch.				
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	814.53	100.73
Note: Includes alarm horn, warning light, and alarm float switch.				
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	1,606.23	134.31
Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.				
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	2,269.86	134.31
Note: Includes alarm horn and warning light. Control float switches not included.				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0065 EA Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors 4,830.20	134.31	
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0066 EA Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....5,053.12	134.31	
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0067 EA Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors 8,073.18	167.89	
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0068 EA Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....6,805.02	167.89	
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0069 EA Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps 1,780.97	167.89	
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0070 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps 1,962.42	167.89	
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0071 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps 1,883.36	167.89	
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0072 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps.....2,046.89	167.89	
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0073 EA Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps.....3,507.56	167.89	
Note: Includes alarm horn and warning light. Float switches not included.		
22 13 29 16-0074 EA Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure 654.07	67.15	
Note: Includes alarm horn, warning light and 15' tethered float.		
22 13 29 16-0075 EA Variable Level (Clamp Type) Float Switch With 15' Cord 124.18	33.58	
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0076 EA Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....142.13	33.58	
22 13 29 16-0077 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord 159.02	33.58	
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0078 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only 159.14	33.58	
22 13 29 16-0079 EA Float Switch Tree With (3) 15' Floats 475.72	33.58	
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0080 EA Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only 500.84	33.58	
22 13 29 16-0081 EA Float Switch Tree And (4) Floats With 15' Cords 529.66	33.58	
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0082 EA Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only 570.02	33.58	
22 13 29 16-0083 EA Float Switch Tree 253.44	33.58	
Note: Tree only.		
22 13 29 16-0084 EA Adjustable Weight For Float Switch 67.75	16.78	
22 13 29 16-0085 EA Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge 1,339.20	100.73	
Note: Lifting equipment not included.		
22 13 29 16-0086 EA Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge 2,099.79	134.31	
Note: Lifting equipment not included.		
22 13 29 16-0087 EA Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge 2,742.72	167.89	
Note: Lifting equipment not included.		
22 13 29 16-0088 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge 2,766.50	100.73	
22 13 29 16-0089 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge 3,905.70	100.73	
22 13 29 16-0090 EA Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System 385.12	67.15	
22 13 29 16-0091 EA Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems 678.95	83.94	
22 13 29 16-0092 EA Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems 680.16	100.73	
22 13 29 16-0093 EA 12' Stainless Steel Lifting Cable.....189.86	33.58	
22 13 29 16-0094 EA Disconnect Fitting For 2" Horizontal Discharge.....375.95	33.58	
Note: Used for shallow systems where guide rails are not necessary.		

22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)

22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)

22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin (22 13 29 33-0001)

22 13 29 33-0003 EA 18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....166.75	
22 13 29 33-0004 EA 18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....215.98	
22 13 29 33-0005 EA 24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....493.64	
22 13 29 33-0006 EA 24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....693.73	
22 13 29 33-0007 EA 30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....893.82	
22 13 29 33-0008 EA 36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....1,040.02	

22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)

22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub 403.93	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub 819.89	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub 1,471.30	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub 1,979.96	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub 2,281.26	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub 2,409.36	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub 2,830.21	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub 3,286.44	



		Plumbing	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	22
Facility Sanitary Sewerage		22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities⁽²²⁾

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities^(22 60)

22 66 53 Laboratory Chemical-Waste and Vent Piping^(22 66)

22 66 53 00-0001	Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings ^(22 66 53)		
22 66 53 00-0002	Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings ^(22 66 53 00-0001)		
22 66 53 00-0003	Schedule 40 Polypropylene Acid Resistant DWV Pipe ^(22 66 53 00-0002)		
22 66 53 00-0004	LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... For Schedule 80, Add..... For Fire Retardant Thermoplastic Pipe (Proxylene), Add..... For Work In Restricted Working Space, Add.....	15.42 2.56 2.19 3.15	6.96
22 66 53 00-0005	LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... For Schedule 80, Add..... For Fire Retardant Thermoplastic Pipe (Proxylene), Add..... For Work In Restricted Working Space, Add.....	18.47 3.46 2.96 3.55	7.82
22 66 53 00-0006	LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... For Schedule 80, Add..... For Fire Retardant Thermoplastic Pipe (Proxylene), Add..... For Work In Restricted Working Space, Add.....	29.11 6.25 5.34 5.13	11.37
22 66 53 00-0007	LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... For Schedule 80, Add..... For Fire Retardant Thermoplastic Pipe (Proxylene), Add..... For Work In Restricted Working Space, Add.....	39.27 8.87 7.59 6.67	14.79
22 66 53 00-0008	LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... For Schedule 80, Add..... For Fire Retardant Thermoplastic Pipe (Proxylene), Add..... For Work In Restricted Working Space, Add.....	63.33 15.98 13.67 9.78	21.76
22 66 53 00-0009	Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends ^(22 66 53 00-0002)		
22 66 53 00-0010	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... For Work In Restricted Working Space, Add.....	59.27 11.83	26.29
22 66 53 00-0011	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... For Work In Restricted Working Space, Add.....	76.66 15.61	34.72
22 66 53 00-0012	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... For Work In Restricted Working Space, Add.....	101.46 17.89	39.73
22 66 53 00-0013	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... For Work In Restricted Working Space, Add.....	145.45 23.66	52.57
22 66 53 00-0014	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... For Work In Restricted Working Space, Add.....	280.06 34.93	77.63
22 66 53 00-0015	Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends ^(22 66 53 00-0002)		
22 66 53 00-0016	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... For Work In Restricted Working Space, Add.....	58.93 11.83	26.29
22 66 53 00-0017	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... For Work In Restricted Working Space, Add.....	75.76 15.61	34.72
22 66 53 00-0018	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... For Work In Restricted Working Space, Add.....	103.17 17.89	39.73
22 66 53 00-0019	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... For Work In Restricted Working Space, Add.....	128.25 23.66	52.57
22 66 53 00-0020	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... For Work In Restricted Working Space, Add.....	253.39 34.93	77.63
22 66 53 00-0021	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees ^(22 66 53 00-0002)		
22 66 53 00-0022	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... For Work In Restricted Working Space, Add.....	108.95 25.29	56.23
22 66 53 00-0023	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... For Work In Restricted Working Space, Add.....	135.82 31.89	70.90
22 66 53 00-0024	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... For Work In Restricted Working Space, Add.....	175.48 34.93	77.63
22 66 53 00-0025	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... For Work In Restricted Working Space, Add.....	241.24 45.84	101.95
22 66 53 00-0026	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... For Work In Restricted Working Space, Add.....	420.36 73.35	163.08
22 66 53 00-0027	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees ^(22 66 53 00-0002)		
22 66 53 00-0028	EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... For Work In Restricted Working Space, Add.....	135.78 31.89	70.90

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	171.35 34.93	77.63
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	167.69 34.93	77.63
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	231.84 45.84	101.95
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	235.39 45.84	101.95
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	394.19 73.35	163.08
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug (22 66 53 00-0002)		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	120.98 25.29	56.23
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	138.73 31.89	70.90
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	184.38 34.93	77.63
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	245.35 45.84	101.95
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	369.61 73.35	163.08
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 66 53 00-0002)		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	115.70 25.29	56.23
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	142.07 31.89	70.90
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	179.20 34.93	77.63
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	244.33 45.84	101.95
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	476.83 73.35	163.08
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 66 53 00-0002)		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	150.34 31.89	70.90
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	174.96 34.93	77.63
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	174.96 34.93	77.63
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	240.67 45.84	101.95
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	240.67 45.84	101.95
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	428.19 73.35	163.08
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	431.04 73.35	163.08
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	395.39 73.35	163.08
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	144.00 31.61	70.29
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	179.15 39.86	88.63
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	238.11 43.66	97.06
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	329.64 57.30	127.38
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	581.32 91.69	203.78
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	106.74 25.29	56.23
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	139.08 31.89	70.90
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	158.37 34.93	77.63
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	218.04 45.84	101.95



		Plumbing	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	22
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend For Work In Restricted Working Space, Add	129.32 31.89	70.90
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend For Work In Restricted Working Space, Add	154.44 34.93	77.63
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend For Work In Restricted Working Space, Add	156.02 34.93	77.63
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend For Work In Restricted Working Space, Add	212.20 45.84	101.95
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend For Work In Restricted Working Space, Add	213.20 45.84	101.95
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap For Work In Restricted Working Space, Add	125.94 29.34	65.28
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap For Work In Restricted Working Space, Add	167.40 38.60	85.82
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap For Work In Restricted Working Space, Add	250.80 52.99	116.50
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap For Work In Restricted Working Space, Add	350.26 66.68	148.29
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter For Work In Restricted Working Space, Add	58.33 11.83	26.29
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter For Work In Restricted Working Space, Add	71.72 15.61	34.72
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter For Work In Restricted Working Space, Add	84.01 17.89	39.73
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter For Work In Restricted Working Space, Add	114.00 23.66	52.57
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter For Work In Restricted Working Space, Add	169.04 34.93	77.63
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter For Work In Restricted Working Space, Add	55.96 11.83	26.29
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter For Work In Restricted Working Space, Add	73.51 15.61	34.72
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter For Work In Restricted Working Space, Add	87.30 17.89	39.73
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter For Work In Restricted Working Space, Add	117.23 23.66	52.57
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling For Work In Restricted Working Space, Add	53.01 11.83	26.29
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling For Work In Restricted Working Space, Add	68.21 15.61	34.72
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling For Work In Restricted Working Space, Add	79.29 17.89	39.73
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling For Work In Restricted Working Space, Add	104.86 23.66	52.57
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling For Work In Restricted Working Space, Add	154.20 34.93	77.63
22 66 53 00-0093 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53 00-0003)		
Note: Acid resistant. ASTM A518.		
22 66 53 00-0094 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 22 66 53 00-0096 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 22 66 53 00-0097 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 22 66 53 00-0098 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 22 66 53 00-0099 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 22 66 53 00-0100 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 22 66 53 00-0101 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 22 66 53 00-0102 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	107.81 151.41 205.50 336.13 591.62 1,043.74 1,858.43 3,304.72	10.88 13.57 15.65 21.67 29.06 36.65 49.37 56.61
22 66 53 00-0103 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0093)		
22 66 53 00-0104 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0103)		
22 66 53 00-0105 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	440.11	92.66

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0106 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	571.71	101.95
22 66 53 00-0107 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	920.42	122.00
22 66 53 00-0108 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,360.57	143.16
22 66 53 00-0109 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,110.44	233.57
22 66 53 00-0110 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0103)		
22 66 53 00-0111 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	263.55	92.66
22 66 53 00-0112 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	339.76	101.95
22 66 53 00-0113 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	425.35	122.00
22 66 53 00-0114 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,087.07	143.16
22 66 53 00-0115 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,451.62	233.57
22 66 53 00-0116 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,712.63	291.00
22 66 53 00-0117 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	5,439.04	349.95
22 66 53 00-0118 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0103)		
22 66 53 00-0119 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	263.55	92.66
22 66 53 00-0120 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	339.76	101.95
22 66 53 00-0121 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	425.35	122.00
22 66 53 00-0122 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	803.19	143.16
22 66 53 00-0123 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,084.65	233.57
22 66 53 00-0124 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,038.05	291.00
22 66 53 00-0125 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,297.10	349.95
22 66 53 00-0126 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0103)		
22 66 53 00-0127 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	263.55	92.66
22 66 53 00-0128 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	339.76	101.95
22 66 53 00-0129 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	425.05	121.88
22 66 53 00-0130 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0103)		
22 66 53 00-0131 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	353.56	92.66
22 66 53 00-0132 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	613.26	101.95
22 66 53 00-0133 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	688.46	122.00
22 66 53 00-0134 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0103)		
22 66 53 00-0135 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	374.09	138.63
22 66 53 00-0136 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	465.81	153.66
22 66 53 00-0137 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	642.11	183.49
22 66 53 00-0138 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,049.57	215.14
22 66 53 00-0139 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,160.32	350.64
22 66 53 00-0140 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	4,476.66	437.84
22 66 53 00-0141 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0103)		
22 66 53 00-0142 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	351.60	132.88
22 66 53 00-0143 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	407.80	142.66
22 66 53 00-0144 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	453.35	147.67
22 66 53 00-0145 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	517.99	163.08
22 66 53 00-0146 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	553.47	168.22
22 66 53 00-0147 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	605.82	173.23
22 66 53 00-0148 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	747.07	186.16
22 66 53 00-0149 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	826.39	190.96
22 66 53 00-0150 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	922.63	199.74
22 66 53 00-0151 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0103)		
22 66 53 00-0152 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	422.47	138.63
22 66 53 00-0153 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	506.75	153.30
22 66 53 00-0154 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	687.07	183.49
22 66 53 00-0155 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0103)		
22 66 53 00-0156 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	400.03	132.88
22 66 53 00-0157 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	495.93	148.41
22 66 53 00-0158 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	595.74	168.70
22 66 53 00-0159 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	637.74	173.71
22 66 53 00-0160 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0103)		
22 66 53 00-0161 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	370.87	138.88
22 66 53 00-0162 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	503.89	153.66



		Plumbing	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	22
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0163 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	641.88	183.37
22 66 53 00-0164 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,055.24	214.34
22 66 53 00-0165 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	3,942.21	350.30
22 66 53 00-0166 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0103)		
22 66 53 00-0167 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	379.25	132.88
22 66 53 00-0168 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	407.74	142.66
22 66 53 00-0169 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	430.41	148.53
22 66 53 00-0170 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	479.91	163.08
22 66 53 00-0171 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	498.38	168.46
22 66 53 00-0172 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	592.73	173.71
22 66 53 00-0173 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	784.92	186.40
22 66 53 00-0174 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	926.79	190.96
22 66 53 00-0175 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	967.64	199.74
22 66 53 00-0176 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,331.29	282.60
22 66 53 00-0177 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,514.91	291.93
22 66 53 00-0178 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,066.90	306.87
22 66 53 00-0179 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0103)		
22 66 53 00-0180 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	436.25	138.63
22 66 53 00-0181 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	517.14	153.30
22 66 53 00-0182 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	756.31	183.49
22 66 53 00-0183 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,145.67	214.57
22 66 53 00-0184 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0103)		
22 66 53 00-0185 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	365.41	132.88
22 66 53 00-0186 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	421.59	142.66
22 66 53 00-0187 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	464.77	148.41
22 66 53 00-0188 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	504.14	163.08
22 66 53 00-0189 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	578.43	168.70
22 66 53 00-0190 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	651.53	173.59
22 66 53 00-0191 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	829.85	186.40
22 66 53 00-0192 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,027.27	191.07
22 66 53 00-0193 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,123.92	200.09
22 66 53 00-0194 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers (22 66 53 00-0103)		
22 66 53 00-0195 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	227.77	87.29
22 66 53 00-0196 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	248.92	92.18
22 66 53 00-0197 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	277.04	97.06
22 66 53 00-0198 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	434.86	107.58
22 66 53 00-0199 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	456.06	112.59
22 66 53 00-0200 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	490.70	119.43
22 66 53 00-0201 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	632.45	128.56
22 66 53 00-0202 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	916.92	175.21
22 66 53 00-0203 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	977.27	190.03
22 66 53 00-0204 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers (22 66 53 00-0103)		
22 66 53 00-0205 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	603.35	203.78
22 66 53 00-0206 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	783.38	203.78
22 66 53 00-0207 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	799.53	203.78
22 66 53 00-0208 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	901.25	266.36
22 66 53 00-0209 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0103)		
22 66 53 00-0210 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	644.37	92.66
22 66 53 00-0211 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	775.97	101.95
22 66 53 00-0212 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	944.65	122.00
22 66 53 00-0213 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,738.45	143.16
22 66 53 00-0214 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs (22 66 53 00-0103)		
22 66 53 00-0215 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	329.33	92.66
22 66 53 00-0216 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	412.46	101.95
22 66 53 00-0217 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	563.83	122.00
22 66 53 00-0218 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	719.52	143.16
22 66 53 00-0219 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,386.58	199.74

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0220 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093) Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0221 LB Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	6.73	
22 66 53 00-0222 LB Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	63.47	
22 66 53 00-0223 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53) Note: ASTM A518.		
22 66 53 00-0224 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0223)		
22 66 53 00-0225 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	85.45	8.19
22 66 53 00-0226 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	97.20	9.05
22 66 53 00-0227 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	133.85	11.37
22 66 53 00-0228 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	168.59	13.20
22 66 53 00-0229 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0223)		
22 66 53 00-0230 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0229)		
22 66 53 00-0231 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	322.39	64.92
22 66 53 00-0232 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	348.90	73.35
22 66 53 00-0233 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	474.40	80.93
22 66 53 00-0234 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	572.53	97.80
22 66 53 00-0235 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0229)		
22 66 53 00-0236 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	187.37	64.92
22 66 53 00-0237 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	223.14	72.61
22 66 53 00-0238 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	284.41	81.17
22 66 53 00-0239 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	370.63	97.06
22 66 53 00-0240 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	217.08	68.58
22 66 53 00-0241 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0242 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	187.37	64.92
22 66 53 00-0243 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	223.14	72.61
22 66 53 00-0244 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	284.41	81.17
22 66 53 00-0245 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	370.63	97.06
22 66 53 00-0246 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends (22 66 53 00-0229)		
22 66 53 00-0247 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	218.53	64.92
22 66 53 00-0248 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	271.60	72.61
22 66 53 00-0249 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	412.51	81.17
22 66 53 00-0250 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	464.10	97.06
22 66 53 00-0251 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0229)		
22 66 53 00-0252 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	211.61	64.92
22 66 53 00-0253 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	250.83	72.61
22 66 53 00-0254 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	381.35	81.17
22 66 53 00-0255 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	432.95	97.06
22 66 53 00-0256 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends (22 66 53 00-0229)		
22 66 53 00-0257 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	319.55	97.67
22 66 53 00-0258 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees (22 66 53 00-0229)		
22 66 53 00-0259 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	264.16	97.67
22 66 53 00-0260 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	324.20	110.02
22 66 53 00-0261 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	422.72	122.61
22 66 53 00-0262 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	632.03	146.82
22 66 53 00-0263 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees (22 66 53 00-0229)		
22 66 53 00-0264 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	304.15	105.87
22 66 53 00-0265 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	368.45	114.18



Plumbing		22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0266 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	391.81	118.22
22 66 53 00-0267 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	420.53	130.43
22 66 53 00-0268 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	460.76	134.11
22 66 53 00-0269 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	498.00	138.14
22 66 53 00-0270 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0229)		
22 66 53 00-0271 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	264.64	98.05
22 66 53 00-0272 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	310.35	110.02
22 66 53 00-0273 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	408.87	122.61
22 66 53 00-0274 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	632.03	146.82
22 66 53 00-0275 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0229)		
22 66 53 00-0276 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	294.58	106.48
22 66 53 00-0277 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	358.04	114.06
22 66 53 00-0278 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	375.04	118.58
22 66 53 00-0279 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	421.11	130.81
22 66 53 00-0280 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	461.86	134.84
22 66 53 00-0281 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	488.13	138.51
22 66 53 00-0282 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes (22 66 53 00-0229)		
22 66 53 00-0283 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	393.08	130.56
22 66 53 00-0284 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	497.18	146.94
22 66 53 00-0285 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	631.46	162.59
22 66 53 00-0286 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	819.29	195.47
22 66 53 00-0287 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	432.39	138.26
22 66 53 00-0288 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	482.66	146.46
22 66 53 00-0289 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	571.04	154.52
22 66 53 00-0290 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	630.42	171.14
22 66 53 00-0291 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	754.21	179.83
22 66 53 00-0292 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses (22 66 53 00-0229)		
22 66 53 00-0293 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	434.55	130.56
22 66 53 00-0294 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	510.75	146.70
22 66 53 00-0295 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	722.87	163.45
22 66 53 00-0296 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,003.10	195.72
22 66 53 00-0297 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	466.94	138.26
22 66 53 00-0298 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	603.78	146.46
22 66 53 00-0299 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	636.72	154.52
22 66 53 00-0300 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	682.29	171.02
22 66 53 00-0301 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	860.58	179.10
22 66 53 00-0302 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0303 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	291.36	97.31
22 66 53 00-0304 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	338.05	110.02
22 66 53 00-0305 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	408.87	122.61
22 66 53 00-0306 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	670.11	146.82
22 66 53 00-0307 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0308 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	321.56	105.99
22 66 53 00-0309 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	358.52	114.42
22 66 53 00-0310 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	388.89	118.58
22 66 53 00-0311 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	521.51	130.81
22 66 53 00-0312 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	534.56	134.84
22 66 53 00-0313 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	595.45	138.51
22 66 53 00-0314 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0315 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	458.51	130.31
22 66 53 00-0316 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	572.95	146.58
22 66 53 00-0317 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	815.45	162.95
22 66 53 00-0318 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	979.49	196.08

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0319 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0320 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	498.10	138.26
22 66 53 00-0321 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	593.37	146.34
22 66 53 00-0322 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	619.41	154.52
22 66 53 00-0323 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	689.21	171.02
22 66 53 00-0324 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	860.58	179.10
22 66 53 00-0325 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers (22 66 53 00-0229)		
22 66 53 00-0326 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	218.11	69.31
22 66 53 00-0327 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	244.98	73.35
22 66 53 00-0328 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	287.55	85.58
22 66 53 00-0329 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	336.52	81.30
22 66 53 00-0330 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	356.47	85.33
22 66 53 00-0331 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	376.42	89.36
22 66 53 00-0332 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees (22 66 53 00-0229)		
22 66 53 00-0333 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	199.82	57.08
22 66 53 00-0334 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	231.80	64.54
22 66 53 00-0335 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	272.24	73.11
22 66 53 00-0336 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	486.59	89.00
22 66 53 00-0337 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs (22 66 53 00-0229)		
22 66 53 00-0338 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	90.22	32.52
22 66 53 00-0339 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	106.37	36.31
22 66 53 00-0340 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	116.24	40.59
22 66 53 00-0341 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	148.97	48.53
22 66 53 00-0342 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0229)		
22 66 53 00-0343 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	356.43	64.54
22 66 53 00-0344 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	368.54	72.61
22 66 53 00-0345 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	454.05	81.17
22 66 53 00-0346 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	578.35	97.06
22 66 53 00-0347 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	491.76	69.43
22 66 53 00-0348 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	673.63	77.51
22 66 53 00-0349 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	813.74	85.58
22 66 53 00-0350 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,011.37	101.95
22 66 53 00-0351 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 66 53 00-0229)		
22 66 53 00-0352 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	654.00	73.71
22 66 53 00-0353 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,025.83	81.54
22 66 53 00-0354 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	681.25	73.35
22 66 53 00-0355 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,025.83	81.54
22 66 53 00-0356 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0229)		
22 66 53 00-0357 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	608.55	73.35
22 66 53 00-0358 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	714.25	81.54
22 66 53 00-0359 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	702.02	73.35
22 66 53 00-0360 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,527.82	81.54
22 66 53 00-0361 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	915.05	81.54
22 66 53 00-0362 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 66 53 00-0229)		
22 66 53 00-0363 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	260.51	65.28
22 66 53 00-0364 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	338.51	73.35
22 66 53 00-0365 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 66 53 00-0229)		
22 66 53 00-0366 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	135.67	48.90
22 66 53 00-0367 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	242.17	53.06



Plumbing		22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0368 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	181.70	61.12
22 66 53 00-0369 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 66 53 00-0229)		
22 66 53 00-0370 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	249.75	69.55
22 66 53 00-0371 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	272.67	73.35
22 66 53 00-0372 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	303.03	77.38
22 66 53 00-0373 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	325.31	85.33
22 66 53 00-0374 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	303.08	77.51
22 66 53 00-0375 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	319.51	81.54
22 66 53 00-0376 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	345.26	89.36
22 66 53 00-0377 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	388.01	85.58
22 66 53 00-0378 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	478.24	101.95
22 66 53 00-0379 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0229)		
22 66 53 00-0380 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	83.09	
22 66 53 00-0381 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	96.94	
22 66 53 00-0382 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	103.86	
22 66 53 00-0383 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	114.25	
22 66 53 00-0384 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0229)		
22 66 53 00-0385 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	620.13	32.64
22 66 53 00-0386 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	235.63	16.26
22 66 53 00-0387 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	436.43	16.26
22 66 53 00-0388 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0229)		
22 66 53 00-0389 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,231.68	163.08
22 66 53 00-0390 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,749.35	171.27
22 66 53 00-0391 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,831.61	16.26
22 66 53 00-0392 Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618) (22 66 53)		
22 66 53 00-0393 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe (22 66 53 00-0392)		
Note: Excludes fittings or hangers.		
22 66 53 00-0394 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	14.23	5.13
22 66 53 00-0395 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	18.06	6.11
22 66 53 00-0396 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	29.21	8.81
22 66 53 00-0397 LF 4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	37.06	9.53
22 66 53 00-0398 LF 6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	58.24	11.40
22 66 53 00-0399 LF 8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	127.47	15.17
22 66 53 00-0400 Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings (22 66 53 00-0392)		
22 66 53 00-0401 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends (22 66 53 00-0400)		
22 66 53 00-0402 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	55.79	20.41
Note: 0.125		
For Work In Restricted Working Space, Add		
	9.17	
22 66 53 00-0403 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	70.44	26.04
Note: 0.16		
For Work In Restricted Working Space, Add		
	11.74	
22 66 53 00-0404 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	105.77	34.96
Note: 0.215		
For Work In Restricted Working Space, Add		
	15.77	
22 66 53 00-0405 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	145.76	40.71
Note: 0.25		
For Work In Restricted Working Space, Add		
	18.34	
22 66 53 00-0406 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	298.49	52.93
Note: 0.325		
For Work In Restricted Working Space, Add		
	23.84	
22 66 53 00-0407 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	412.25	71.27
Note: 0.438		
For Work In Restricted Working Space, Add		
	32.09	
22 66 53 00-0408 Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends (22 66 53 00-0400)		
22 66 53 00-0409 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	56.66	20.41
For Work In Restricted Working Space, Add		
	9.17	
22 66 53 00-0410 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	74.68	26.04
For Work In Restricted Working Space, Add		
	11.74	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0411	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	113.42 15.77	34.96
22 66 53 00-0412	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	148.56 18.34	40.71
22 66 53 00-0413 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends (22 66 53 00-0400)				
22 66 53 00-0414	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	55.35 9.17	20.41
22 66 53 00-0415	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	69.30 11.74	26.04
22 66 53 00-0416	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	107.96 15.77	34.96
22 66 53 00-0417	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	123.90 18.34	40.71
22 66 53 00-0418	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	262.81 23.84	52.93
22 66 53 00-0419	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	371.34 32.09	71.27
22 66 53 00-0420 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends (22 66 53 00-0400)				
22 66 53 00-0421	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	55.84 9.17	20.41
22 66 53 00-0422	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	69.26 11.74	26.04
22 66 53 00-0423	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	107.05 15.77	34.96
22 66 53 00-0424	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	131.02 18.34	40.71
22 66 53 00-0425	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	219.22 23.84	52.93
22 66 53 00-0426	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	251.07 32.09	71.27
22 66 53 00-0427 Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends (22 66 53 00-0400)				
22 66 53 00-0428	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	285.59 23.66	52.57
22 66 53 00-0429	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	220.39 17.60	39.12
22 66 53 00-0430	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	138.36 13.75	30.57
22 66 53 00-0431 Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees (22 66 53 00-0400)				
22 66 53 00-0432	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	77.16 13.75	30.57
22 66 53 00-0433	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	96.20 17.60	39.12
22 66 53 00-0434	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	153.94 23.66	52.57
22 66 53 00-0435	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	204.17 27.51	61.12
22 66 53 00-0436	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	494.11 35.76	79.34
22 66 53 00-0437	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	682.89 48.14	106.84
22 66 53 00-0438 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees (22 66 53 00-0400)				
22 66 53 00-0439	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	87.57 15.04	33.37
22 66 53 00-0440	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	93.55 16.32	36.18
22 66 53 00-0441	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	91.85 16.32	36.18
22 66 53 00-0442	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	133.02 20.35	45.23
22 66 53 00-0443	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	142.20 21.64	48.05
22 66 53 00-0444	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	181.19 24.21	53.79
22 66 53 00-0445	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	192.41 26.22	58.19
22 66 53 00-0446	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	372.56 33.01	73.23
22 66 53 00-0447	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	822.16 41.26	91.57



		Plumbing	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	22
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0448 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees (22 66 53 00-0400)		
EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees.....	108.32	40.71
For Work In Restricted Working Space, Add	18.34	
22 66 53 00-0450 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees.....	133.90	52.07
For Work In Restricted Working Space, Add	23.47	
22 66 53 00-0451 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees.....	179.56	70.05
For Work In Restricted Working Space, Add	31.54	
22 66 53 00-0452 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees.....	221.59	81.42
For Work In Restricted Working Space, Add	36.68	
22 66 53 00-0453 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees (22 66 53 00-0400)		
EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	131.86	46.46
For Work In Restricted Working Space, Add	20.91	
22 66 53 00-0455 EA 3" x 3" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	157.44	55.37
For Work In Restricted Working Space, Add	24.94	
22 66 53 00-0456 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	196.30	61.12
For Work In Restricted Working Space, Add	27.51	
22 66 53 00-0457 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	180.96	66.75
For Work In Restricted Working Space, Add	30.07	
22 66 53 00-0458 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	202.82	75.67
For Work In Restricted Working Space, Add	34.11	
22 66 53 00-0459 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers (22 66 53 00-0400)		
EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	73.39	23.23
For Work In Restricted Working Space, Add	10.45	
22 66 53 00-0461 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	82.26	27.63
For Work In Restricted Working Space, Add	12.47	
22 66 53 00-0462 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	127.24	30.57
For Work In Restricted Working Space, Add	13.75	
22 66 53 00-0463 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	139.57	33.37
For Work In Restricted Working Space, Add	15.04	
22 66 53 00-0464 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	154.44	37.89
For Work In Restricted Working Space, Add	17.05	
22 66 53 00-0465 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	205.97	44.01
For Work In Restricted Working Space, Add	19.80	
22 66 53 00-0466 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	235.33	46.82
For Work In Restricted Working Space, Add	21.09	
22 66 53 00-0467 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings (22 66 53 00-0400)		
EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	55.84	23.23
For Work In Restricted Working Space, Add	10.45	
22 66 53 00-0469 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	63.77	27.63
For Work In Restricted Working Space, Add	12.47	
22 66 53 00-0470 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	70.04	30.57
For Work In Restricted Working Space, Add	13.75	
22 66 53 00-0471 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	103.84	33.37
For Work In Restricted Working Space, Add	15.04	
22 66 53 00-0472 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	111.80	37.89
For Work In Restricted Working Space, Add	17.05	
22 66 53 00-0473 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	166.84	44.01
For Work In Restricted Working Space, Add	19.80	
22 66 53 00-0474 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	166.45	46.82
For Work In Restricted Working Space, Add	21.09	
22 66 53 00-0475 EA 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	433.60	55.99
For Work In Restricted Working Space, Add	25.23	
22 66 53 00-0476 EA 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	457.89	62.10
For Work In Restricted Working Space, Add	27.98	
22 66 53 00-0477 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps (22 66 53 00-0400)		
EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	95.02	30.57
For Work In Restricted Working Space, Add	13.75	
22 66 53 00-0479 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	127.29	39.12
For Work In Restricted Working Space, Add	17.60	
22 66 53 00-0480 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	203.40	52.57
For Work In Restricted Working Space, Add	23.66	
22 66 53 00-0481 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	313.07	61.12
For Work In Restricted Working Space, Add	27.51	
22 66 53 00-0482 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes (22 66 53 00-0400)		
EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	77.77	30.57
For Work In Restricted Working Space, Add	13.75	
22 66 53 00-0484 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	103.47	39.12
For Work In Restricted Working Space, Add	17.60	
22 66 53 00-0485 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	158.69	52.57
For Work In Restricted Working Space, Add	23.66	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0486	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	208.06 27.51	61.12
22 66 53 00-0487	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	414.62 35.76	79.34
22 66 53 00-0488	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	482.01 48.14	106.84
22 66 53 00-0489 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes (22 66 53 00-0400)				
22 66 53 00-0490	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	85.03 15.04	33.37
22 66 53 00-0491	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	99.19 16.32	36.18
22 66 53 00-0492	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	136.58 20.35	45.23
22 66 53 00-0493	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	146.54 21.64	48.05
22 66 53 00-0494	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	150.29 22.92	50.86
22 66 53 00-0495	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	187.80 24.21	53.79
22 66 53 00-0496	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	199.12 26.22	58.19
22 66 53 00-0497	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	301.86 33.01	73.23
22 66 53 00-0498	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	361.00 41.26	91.57
22 66 53 00-0499	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	395.41 44.01	97.67
22 66 53 00-0500 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes (22 66 53 00-0400)				
22 66 53 00-0501	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	121.04 18.34	40.71
22 66 53 00-0502	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	141.58 23.47	52.07
22 66 53 00-0503	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	219.63 31.54	70.05
22 66 53 00-0504	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	383.46 36.68	81.42
22 66 53 00-0505	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	613.19 47.68	105.87
22 66 53 00-0506 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes (22 66 53 00-0400)				
22 66 53 00-0507	EA	2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	164.74 20.91	46.46
22 66 53 00-0508	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	208.64 27.51	61.12
22 66 53 00-0509	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	345.08 34.11	75.67
22 66 53 00-0510	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	502.18 42.18	93.64
22 66 53 00-0511 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends (22 66 53 00-0400)				
22 66 53 00-0512	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	87.53 13.75	30.57
22 66 53 00-0513	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	114.31 17.60	39.12
22 66 53 00-0514	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	167.66 23.66	52.57
22 66 53 00-0515	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	217.83 27.51	61.12
22 66 53 00-0516	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	460.12 35.76	79.34
22 66 53 00-0517	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	787.76 48.14	106.84
22 66 53 00-0518 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0400)				
22 66 53 00-0519	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	84.80 15.04	33.37
22 66 53 00-0520	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	104.49 16.32	36.18
22 66 53 00-0521	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	141.72 20.35	45.23
22 66 53 00-0522	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	152.14 21.64	48.05



		Plumbing	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	22
Chemical-Waste Systems for Laboratory and Healthcare Facilities		22 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0523 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	191.50 24.21	53.79
22 66 53 00-0524 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	203.67 26.22	58.19
22 66 53 00-0525 EA 6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	363.81 31.73	70.41
22 66 53 00-0526 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	378.02 33.01	73.23
22 66 53 00-0527 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0400)		
22 66 53 00-0528 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	128.81 18.34	40.71
22 66 53 00-0529 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	188.21 23.47	52.07
22 66 53 00-0530 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	294.14 31.54	70.05
22 66 53 00-0531 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	480.42 36.68	81.42
22 66 53 00-0532 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	658.01 47.68	105.87
22 66 53 00-0533 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0400)		
22 66 53 00-0534 EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	164.75 20.91	46.46
22 66 53 00-0535 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	250.14 27.51	61.12
22 66 53 00-0536 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	298.67 30.07	66.75
22 66 53 00-0537 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	312.12 34.11	75.67
22 66 53 00-0538 EA 6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	391.18 39.61	87.89
22 66 53 00-0539 EA 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	436.34 42.18	93.64
22 66 53 00-0540 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug (22 66 53 00-0400)		
22 66 53 00-0541 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	83.15 13.75	30.57
22 66 53 00-0542 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	99.89 17.60	39.12
22 66 53 00-0543 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	165.26 23.66	52.57
22 66 53 00-0544 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	209.37 27.51	61.12
22 66 53 00-0545 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	437.00 35.76	79.34
22 66 53 00-0546 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug For Work In Restricted Working Space, Add	20.92 4.58	10.14
22 66 53 00-0547 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug For Work In Restricted Working Space, Add	25.73 5.87	12.96
22 66 53 00-0548 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug For Work In Restricted Working Space, Add	37.07 7.89	17.48
22 66 53 00-0549 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug For Work In Restricted Working Space, Add	42.65 9.17	20.29
22 66 53 00-0550 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug For Work In Restricted Working Space, Add	67.92 11.92	26.41
22 66 53 00-0551 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug (22 66 53 00-0400)		
22 66 53 00-0552 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug For Work In Restricted Working Space, Add	46.88 9.17	20.41
22 66 53 00-0553 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug For Work In Restricted Working Space, Add	58.35 11.74	26.04
22 66 53 00-0554 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug For Work In Restricted Working Space, Add	88.06 15.77	34.96
22 66 53 00-0555 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug For Work In Restricted Working Space, Add	122.16 18.34	40.71
22 66 53 00-0556 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug For Work In Restricted Working Space, Add	185.05 23.84	52.93
22 66 53 00-0557 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug For Work In Restricted Working Space, Add	317.22 32.12	71.27
22 66 53 00-0558 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 66 53 00-0400)		
22 66 53 00-0559 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings For Work In Restricted Working Space, Add	50.27 9.17	20.41

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0560 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	63.71 11.74	26.04
22 66 53 00-0561 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	84.03 15.77	34.96
22 66 53 00-0562 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	105.89 18.34	40.71
22 66 53 00-0563 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	150.42 23.84	52.93
22 66 53 00-0564 EA 8" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	298.43 32.12	71.27
22 66 53 00-0565 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters (22 66 53 00-0400)		
22 66 53 00-0566 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	30.78	10.14
22 66 53 00-0567 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	40.67	13.08
22 66 53 00-0568 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	61.12	17.48
22 66 53 00-0569 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	97.53	20.41
22 66 53 00-0570 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	151.90	26.41
22 66 53 00-0571 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters (22 66 53 00-0400)		
22 66 53 00-0572 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	33.84	10.14
22 66 53 00-0573 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	47.41	13.08
22 66 53 00-0574 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	56.79	17.48
22 66 53 00-0575 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	94.15	20.41
22 66 53 00-0576 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	125.56	26.41
22 66 53 00-0577 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 66 53 00-0400)		
22 66 53 00-0578 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	30.60	10.14
22 66 53 00-0579 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	37.89	13.08
22 66 53 00-0580 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	57.97	17.48
22 66 53 00-0581 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	95.15	20.41
22 66 53 00-0582 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	121.57	26.41
22 66 53 00-0583 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	188.50	35.70

END OF SECTION 22



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 05 Common Work Results for HVAC (23)

23 05 23 General-Duty Valves For HVAC Piping (23 05)

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves.

23 05 23 00-0001	Gate Valves (23 05 23)		
23 05 23 00-0002	Class 125 Threaded, Bronze Gate Valves (23 05 23 00-0001)		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.			
23 05 23 00-0003	EA 1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	72.17	13.28
	For 150 Lb. Rating, Add	3.35	
	For 200 Lb. Rating, Add	5.03	
	For 250 Lb. Rating, Add	8.38	
	For 300 Lb. Rating, Add	11.73	
	For Work In Restricted Working Space, Add	11.60	
23 05 23 00-0004	EA 3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	74.20	13.28
	For 150 Lb. Rating, Add	3.35	
	For 200 Lb. Rating, Add	5.03	
	For 250 Lb. Rating, Add	8.38	
	For 300 Lb. Rating, Add	11.73	
	For Work In Restricted Working Space, Add	12.21	
23 05 23 00-0005	EA 1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	76.34	13.28
	For 150 Lb. Rating, Add	3.35	
	For 200 Lb. Rating, Add	5.03	
	For 250 Lb. Rating, Add	8.38	
	For 300 Lb. Rating, Add	11.73	
	For Work In Restricted Working Space, Add	12.85	
23 05 23 00-0006	EA 3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	97.70	14.61
	For 150 Lb. Rating, Add	4.00	
	For 200 Lb. Rating, Add	6.00	
	For 250 Lb. Rating, Add	10.00	
	For 300 Lb. Rating, Add	13.99	
	For Work In Restricted Working Space, Add	17.32	
23 05 23 00-0007	EA 1" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	130.27	16.60
	For 150 Lb. Rating, Add	6.04	
	For 200 Lb. Rating, Add	9.06	
	For 250 Lb. Rating, Add	15.10	
	For 300 Lb. Rating, Add	21.14	
	For Work In Restricted Working Space, Add	20.96	
23 05 23 00-0008	EA 1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	169.94	17.66
	For 150 Lb. Rating, Add	8.14	
	For 200 Lb. Rating, Add	12.21	
	For 250 Lb. Rating, Add	20.36	
	For 300 Lb. Rating, Add	28.50	
	For Work In Restricted Working Space, Add	26.55	
23 05 23 00-0009	EA 1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	204.74	20.44
	For 150 Lb. Rating, Add	10.26	
	For 200 Lb. Rating, Add	15.39	
	For 250 Lb. Rating, Add	25.65	
	For 300 Lb. Rating, Add	35.91	
	For Work In Restricted Working Space, Add	30.64	
23 05 23 00-0010	EA 2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	260.90	24.16
	For 150 Lb. Rating, Add	14.02	
	For 200 Lb. Rating, Add	21.03	
	For 250 Lb. Rating, Add	35.05	
	For 300 Lb. Rating, Add	49.07	
	For Work In Restricted Working Space, Add	36.21	
23 05 23 00-0011	EA 2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	562.85	32.64
	For Chain Operated Type, Add	179.94	
	For 150 Lb. Rating, Add	39.99	
	For 200 Lb. Rating, Add	59.98	
	For 250 Lb. Rating, Add	99.97	
	For 300 Lb. Rating, Add	139.95	
	For Work In Restricted Working Space, Add	48.90	
23 05 23 00-0012	EA 3" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	666.05	37.89
	For Chain Operated Type, Add	215.09	
	For 150 Lb. Rating, Add	47.80	
	For 200 Lb. Rating, Add	71.70	
	For 250 Lb. Rating, Add	119.50	
	For 300 Lb. Rating, Add	167.29	
	For Work In Restricted Working Space, Add	56.42	
23 05 23 00-0013	EA 4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	1,352.61	42.78
	For Chain Operated Type, Add	512.41	
	For 150 Lb. Rating, Add	113.87	
	For 200 Lb. Rating, Add	170.80	
	For 250 Lb. Rating, Add	284.67	
	For 300 Lb. Rating, Add	398.54	
	For Work In Restricted Working Space, Add	64.18	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001) Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015 EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	300.04	20.44
For 150 Lb. Rating, Add	39.58	
For 250 Lb. Rating, Add	69.27	
For Chain Operated Type, Add	69.27	
For Work In Restricted Working Space, Add	30.64	
23 05 23 00-0016 EA 2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	455.12	24.16
For 150 Lb. Rating, Add	66.88	
For 250 Lb. Rating, Add	117.05	
For Chain Operated Type, Add	117.05	
For Work In Restricted Working Space, Add	36.21	
23 05 23 00-0017 EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	665.96	32.64
For 150 Lb. Rating, Add	100.59	
For 250 Lb. Rating, Add	176.04	
For Chain Operated Type, Add	176.04	
For Work In Restricted Working Space, Add	48.90	
23 05 23 00-0018 EA 3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	847.99	37.89
For 150 Lb. Rating, Add	131.98	
For 250 Lb. Rating, Add	230.97	
For Chain Operated Type, Add	230.97	
For Work In Restricted Working Space, Add	56.42	
23 05 23 00-0019 EA 4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,990.37	42.78
For 150 Lb. Rating, Add	355.29	
For 250 Lb. Rating, Add	621.75	
For Chain Operated Type, Add	621.75	
For Work In Restricted Working Space, Add	64.18	
23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001) Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0021 EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	782.64	139.41
For 150 Lb. Rating, Add	176.31	
For 250 Lb. Rating, Add	303.98	
For 300 Lb. Rating, ASTM A182, Add	695.30	
For Chain Operated Type, Add	303.98	
For Work In Restricted Working Space, Add	52.41	
23 05 23 00-0022 EA 2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	857.10	176.98
For 150 Lb. Rating, Add	184.39	
For 250 Lb. Rating, Add	317.91	
For 300 Lb. Rating, ASTM A182, Add	746.46	
For Chain Operated Type, Add	317.91	
For Work In Restricted Working Space, Add	66.38	
23 05 23 00-0023 EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	985.13	177.26
For 150 Lb. Rating, Add	221.23	
For 250 Lb. Rating, Add	381.43	
For 300 Lb. Rating, ASTM A182, Add	874.00	
For Chain Operated Type, Add	381.43	
For Work In Restricted Working Space, Add	66.68	
23 05 23 00-0024 EA 3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,213.63	207.82
For 150 Lb. Rating, Add	276.52	
For 250 Lb. Rating, Add	476.77	
For 300 Lb. Rating, ASTM A182, Add	1,083.58	
For Chain Operated Type, Add	476.77	
For Work In Restricted Working Space, Add	78.03	
23 05 23 00-0025 EA 4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,708.04	348.41
For 150 Lb. Rating, Add	368.72	
For 250 Lb. Rating, Add	635.72	
For 300 Lb. Rating, ASTM A182, Add	1,489.74	
For Chain Operated Type, Add	635.72	
For Work In Restricted Working Space, Add	130.98	
23 05 23 00-0026 EA 5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,114.00	369.60
For 150 Lb. Rating, Add	479.29	
For 250 Lb. Rating, Add	826.36	
For 300 Lb. Rating, ASTM A182, Add	1,883.36	
For Chain Operated Type, Add	826.36	
For Work In Restricted Working Space, Add	138.38	
23 05 23 00-0027 EA 6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,549.05	410.66
For 150 Lb. Rating, Add	589.83	
For 250 Lb. Rating, Add	1,016.95	
For 300 Lb. Rating, ASTM A182, Add	2,291.47	
For Chain Operated Type, Add	1,016.95	
For Work In Restricted Working Space, Add	154.55	
23 05 23 00-0028 EA 8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,021.00	524.73
For 150 Lb. Rating, Add	977.06	
For 250 Lb. Rating, Add	1,684.58	
For 300 Lb. Rating, ASTM A182, Add	3,695.08	
For Chain Operated Type, Add	1,684.58	
For Work In Restricted Working Space, Add	195.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0029	EA		10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,248.03	638.80
			For 150 Lb. Rating, Add	1,290.36	
			For 250 Lb. Rating, Add	2,224.77	
			For 300 Lb. Rating, ASTM A182, Add	4,848.78	
			For Chain Operated Type, Add	2,224.77	
			For Work In Restricted Working Space, Add	239.55	
23 05 23 00-0030	EA		12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,324.67	775.69
			For 150 Lb. Rating, Add	1,843.47	
			For 250 Lb. Rating, Add	3,178.40	
			For 300 Lb. Rating, ASTM A182, Add	6,840.73	
			For Chain Operated Type, Add	3,178.40	
			For Work In Restricted Working Space, Add	290.36	
23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001)					
Note: 125 psi steam, basic rating. 200 psi cold working pressure.					
23 05 23 00-0032	EA		1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	587.26	20.44
			For 175 Lb. Rating, Add	242.57	
			For 250 Lb. Rating, Add	363.85	
			For Work In Restricted Working Space, Add	30.64	
23 05 23 00-0033	EA		2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	747.85	24.16
			For 175 Lb. Rating, Add	313.58	
			For 250 Lb. Rating, Add	470.36	
			For Work In Restricted Working Space, Add	36.21	
23 05 23 00-0034	EA		2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	870.18	32.64
			For 175 Lb. Rating, Add	353.60	
			For 250 Lb. Rating, Add	530.39	
			For Work In Restricted Working Space, Add	48.90	
23 05 23 00-0035	EA		3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	968.38	37.89
			For 175 Lb. Rating, Add	390.16	
			For 250 Lb. Rating, Add	585.23	
			For Work In Restricted Working Space, Add	56.42	
23 05 23 00-0036	EA		4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,291.43	42.78
			For 175 Lb. Rating, Add	538.75	
			For 250 Lb. Rating, Add	808.13	
			For Work In Restricted Working Space, Add	64.18	
23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001)					
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".					
23 05 23 00-0038	EA		1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,051.09	139.41
			For 150 Lb. Rating, Add	131.46	
			For 175 Lb. Rating, Add	271.68	
			For 250 Lb. Rating, Add	569.66	
			For Chain Operated Type, Add	438.20	
			For Work In Restricted Working Space, Add	52.41	
23 05 23 00-0039	EA		2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,123.72	176.98
			For 150 Lb. Rating, Add	135.37	
			For 175 Lb. Rating, Add	279.76	
			For 250 Lb. Rating, Add	586.59	
			For Chain Operated Type, Add	451.22	
			For Work In Restricted Working Space, Add	66.38	
23 05 23 00-0040	EA		2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,154.16	177.26
			For 150 Lb. Rating, Add	139.78	
			For 175 Lb. Rating, Add	288.89	
			For 250 Lb. Rating, Add	605.73	
			For Chain Operated Type, Add	465.95	
			For Work In Restricted Working Space, Add	66.68	
23 05 23 00-0041	EA		3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,285.43	207.82
			For 150 Lb. Rating, Add	153.80	
			For 175 Lb. Rating, Add	317.65	
			For 250 Lb. Rating, Add	666.46	
			For Chain Operated Type, Add	512.67	
			For Work In Restricted Working Space, Add	78.03	
23 05 23 00-0042	EA		4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,680.06	348.41
			For 150 Lb. Rating, Add	186.52	
			For 175 Lb. Rating, Add	385.47	
			For 250 Lb. Rating, Add	808.25	
			For Chain Operated Type, Add	621.73	
			For Work In Restricted Working Space, Add	130.98	
23 05 23 00-0043	EA		5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,196.18	369.60
			For 150 Lb. Rating, Add	260.24	
			For 175 Lb. Rating, Add	537.62	
			For 250 Lb. Rating, Add	1,127.69	
			For Chain Operated Type, Add	867.45	
			For Work In Restricted Working Space, Add	138.38	
23 05 23 00-0044	EA		6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,496.48	410.66
			For 150 Lb. Rating, Add	297.20	
			For 175 Lb. Rating, Add	614.21	
			For 250 Lb. Rating, Add	1,287.86	
			For Chain Operated Type, Add	990.66	
			For Work In Restricted Working Space, Add	154.55	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0045 EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,002.79	524.73
For 150 Lb. Rating, Add	502.64	
For 175 Lb. Rating, Add	1,038.79	
For 250 Lb. Rating, Add	2,178.12	
For Chain Operated Type, Add	1,675.48	
For Work In Restricted Working Space, Add	195.55	
23 05 23 00-0046 EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,955.61	638.80
For 150 Lb. Rating, Add	773.57	
For 175 Lb. Rating, Add	1,598.70	
For 250 Lb. Rating, Add	3,352.12	
For Chain Operated Type, Add	2,578.56	
For Work In Restricted Working Space, Add	239.55	
23 05 23 00-0047 EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,504.08	775.69
For 150 Lb. Rating, Add	980.43	
For 175 Lb. Rating, Add	2,026.22	
For 250 Lb. Rating, Add	4,248.53	
For Chain Operated Type, Add	3,268.10	
For Work In Restricted Working Space, Add	290.36	

23 05 23 00-0048 Ball Valves (23 05 23)**23 05 23 00-0049 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0048)**

Note: 125 Lb. WSP.

23 05 23 00-0050 EA 1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	57.86	13.28
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	6.76	
For Work In Restricted Working Space, Add	12.85	
23 05 23 00-0051 EA 3/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	80.83	14.61
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	10.40	
For Work In Restricted Working Space, Add	17.32	
23 05 23 00-0052 EA 1" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	101.07	16.60
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	14.04	
For Work In Restricted Working Space, Add	20.96	
23 05 23 00-0053 EA 1-1/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	140.89	17.66
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	23.57	
For Work In Restricted Working Space, Add	26.55	
23 05 23 00-0054 EA 1-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	169.03	20.44
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	30.11	
For Work In Restricted Working Space, Add	30.64	
23 05 23 00-0055 EA 2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	204.50	24.16
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	37.71	
For Work In Restricted Working Space, Add	36.21	
23 05 23 00-0056 EA 2-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	558.46	32.64
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	177.96	
For Work In Restricted Working Space, Add	48.90	
23 05 23 00-0057 EA 3" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	644.36	37.89
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	205.33	
For Work In Restricted Working Space, Add	56.42	
23 05 23 00-0058 EA 4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	836.02	42.78
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	279.94	
For Work In Restricted Working Space, Add	64.18	

23 05 23 00-0059 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves (23 05 23 00-0048)

23 05 23 00-0060 EA 1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	67.42	13.28
For Work In Restricted Working Space, Add	11.60	
23 05 23 00-0061 EA 1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	74.05	13.28
For Work In Restricted Working Space, Add	12.85	
23 05 23 00-0062 EA 3/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	102.87	14.61
For Work In Restricted Working Space, Add	17.32	
23 05 23 00-0063 EA 1" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	130.59	16.60
For Work In Restricted Working Space, Add	20.96	
23 05 23 00-0064 EA 1-1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	192.27	17.66
For Work In Restricted Working Space, Add	26.55	
23 05 23 00-0065 EA 1-1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	233.58	20.44
For Work In Restricted Working Space, Add	30.64	
23 05 23 00-0066 EA 2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	301.70	24.16
For Work In Restricted Working Space, Add	36.21	

23 05 23 00-0067 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves (23 05 23 00-0048)

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****General-Duty Valves For HVAC Piping 23 05 23****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0068 EA 1-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve.....	631.15	139.41
For 150 Lb. Rating, Add	132.37	
For 250 Lb. Rating, Add	228.23	
For 300 Lb. Rating, ASTM A182, Add	543.81	
For Chain Operated Type, Add	228.23	
For Work In Restricted Working Space, Add	52.41	
For Work In Restricted Working Space, Add	52.41	
23 05 23 00-0069 EA 2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	787.56	176.98
For 150 Lb. Rating, Add	164.22	
For 250 Lb. Rating, Add	283.14	
For 300 Lb. Rating, ASTM A182, Add	676.92	
For Chain Operated Type, Add	283.14	
For Work In Restricted Working Space, Add	66.38	
For Work In Restricted Working Space, Add	66.38	
23 05 23 00-0070 EA 2-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,256.72	177.26
For 150 Lb. Rating, Add	299.99	
For 250 Lb. Rating, Add	517.23	
For 300 Lb. Rating, ASTM A182, Add	1,145.59	
For Chain Operated Type, Add	517.23	
For Work In Restricted Working Space, Add	66.68	
For Work In Restricted Working Space, Add	66.68	
23 05 23 00-0071 EA 3" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,378.55	207.82
For 150 Lb. Rating, Add	324.35	
For 250 Lb. Rating, Add	559.23	
For 300 Lb. Rating, ASTM A182, Add	1,248.50	
For Chain Operated Type, Add	559.23	
For Work In Restricted Working Space, Add	78.03	
For Work In Restricted Working Space, Add	78.03	
23 05 23 00-0072 EA 4" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	2,007.57	348.41
For Work In Restricted Working Space, Add	130.98	
23 05 23 00-0073 EA 6" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,774.60	410.66
For Work In Restricted Working Space, Add	154.55	
23 05 23 00-0074 EA 8" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	8,209.32	524.73
For Work In Restricted Working Space, Add	195.55	
23 05 23 00-0075 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0048)		
23 05 23 00-0076 EA 1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	49.17	13.28
For True Union Socket Or Thread Type, Add	4.78	
For Work In Restricted Working Space, Add	12.85	
23 05 23 00-0077 EA 3/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	65.02	14.61
For True Union Socket Or Thread Type, Add	5.95	
For Work In Restricted Working Space, Add	17.32	
23 05 23 00-0078 EA 1" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	80.04	16.60
For True Union Socket Or Thread Type, Add	7.73	
For Work In Restricted Working Space, Add	20.96	
23 05 23 00-0079 EA 1-1/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	101.86	17.66
For True Union Socket Or Thread Type, Add	9.99	
For Work In Restricted Working Space, Add	26.55	
23 05 23 00-0080 EA 1-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	125.35	20.44
For True Union Socket Or Thread Type, Add	14.65	
For Work In Restricted Working Space, Add	30.64	
23 05 23 00-0081 EA 2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	150.30	24.16
For True Union Socket Or Thread Type, Add	18.18	
For Work In Restricted Working Space, Add	36.21	
23 05 23 00-0082 EA 2-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	226.67	32.64
For True Union Socket Or Thread Type, Add	34.03	
For Work In Restricted Working Space, Add	48.90	
23 05 23 00-0083 EA 3" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	296.35	37.89
For True Union Socket Or Thread Type, Add	53.19	
For Work In Restricted Working Space, Add	56.42	
23 05 23 00-0084 EA 4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	420.97	42.78
For True Union Socket Or Thread Type, Add	94.05	
For Work In Restricted Working Space, Add	64.18	
23 05 23 00-0085 Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0048)		
23 05 23 00-0086 EA 1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	103.19	19.92
For Full Port, Add	20.34	
For Work In Restricted Working Space, Add	17.40	
23 05 23 00-0087 EA 3/8" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	106.23	19.92
For Full Port, Add	20.34	
For Work In Restricted Working Space, Add	18.31	
23 05 23 00-0088 EA 1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	109.43	19.92
For Full Port, Add	20.34	
For Work In Restricted Working Space, Add	19.27	
23 05 23 00-0089 EA 3/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	134.51	21.91
For Full Port, Add	21.56	
For Work In Restricted Working Space, Add	25.98	
23 05 23 00-0090 EA 1" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	175.80	24.90
For Full Port, Add	31.94	
For Work In Restricted Working Space, Add	31.45	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0091	EA	1-1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.92 43.72 39.83	26.49
23 05 23 00-0092	EA	1-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	282.38 58.13 45.96	30.67
23 05 23 00-0093	EA	2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	391.27 94.60 54.31	36.25
23 05 23 00-0094	EA	2-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	754.66 229.58 73.35	48.96
23 05 23 00-0095	EA	3" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,092.24 364.55 84.64	56.84
23 05 23 00-0096 Wye Strainer, Union With Two Pressure Ports, Ball Valves (23 05 23 00-0048)				
23 05 23 00-0097	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	185.02	13.28
23 05 23 00-0098	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	237.53	17.26
23 05 23 00-0099	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	305.82	21.25
23 05 23 00-0100	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	416.87	29.20
23 05 23 00-0101	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	520.79	33.99
23 05 23 00-0102	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	686.32	39.83
23 05 23 00-0103 Plastic Ball Valves (23 05 23 00-0048) Note: Threaded or socket.				
23 05 23 00-0104 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves (23 05 23 00-0103)				
23 05 23 00-0105	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	78.01	13.28
23 05 23 00-0106	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	81.47	13.28
23 05 23 00-0107	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	103.54	14.61
23 05 23 00-0108	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	134.21	16.60
23 05 23 00-0109	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	160.27	17.66
23 05 23 00-0110	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	193.49	20.44
23 05 23 00-0111	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	235.25	24.16
23 05 23 00-0112 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves (23 05 23 00-0103)				
23 05 23 00-0113	EA	3/8" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	114.51	13.28
23 05 23 00-0114	EA	1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	116.31	13.28
23 05 23 00-0115	EA	3/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	146.67	14.61
23 05 23 00-0116	EA	1" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	181.02	16.60
23 05 23 00-0117	EA	1-1/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	270.98	17.66
23 05 23 00-0118	EA	1-1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	301.19	20.44
23 05 23 00-0119	EA	2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	361.23	24.16
23 05 23 00-0120 Viton Liner And Seals, Polypropylene (PP) Ball Valves (23 05 23 00-0103)				
23 05 23 00-0121	EA	3/8" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	126.95	13.28
23 05 23 00-0122	EA	1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	137.04	13.28
23 05 23 00-0123	EA	3/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	158.28	14.61
23 05 23 00-0124	EA	1" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	194.29	16.60
23 05 23 00-0125	EA	1-1/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	244.44	17.66
23 05 23 00-0126	EA	1-1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	292.89	20.44
23 05 23 00-0127	EA	2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	377.81	24.16
23 05 23 00-0128 Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves (23 05 23 00-0103)				
23 05 23 00-0129	EA	3/8" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	249.70	13.28
23 05 23 00-0130	EA	1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	266.43	13.28
23 05 23 00-0131	EA	3/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	317.52	14.61
23 05 23 00-0132	EA	1" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	371.78	16.60
23 05 23 00-0133	EA	1-1/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	453.45	17.66
23 05 23 00-0134	EA	1-1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	500.24	20.44
23 05 23 00-0135	EA	2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	576.87	24.16

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****General-Duty Valves For HVAC Piping 23 05 23****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0136 Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves (23 05 23 00-0103)		
23 05 23 00-0137 EA 1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	55.17	13.28
23 05 23 00-0138 EA 3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	73.93	14.61
23 05 23 00-0139 EA 1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	89.79	16.60
23 05 23 00-0140 EA 1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	123.68	17.66
23 05 23 00-0141 EA 1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	137.30	20.44
23 05 23 00-0142 EA 2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	167.06	24.16
23 05 23 00-0143 Plastic, True Union, Ball Valves (23 05 23 00-0048)		
23 05 23 00-0144 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves (23 05 23 00-0143)		
Note: Socket or NPT connectors.		
23 05 23 00-0145 EA 3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	123.63	13.28
23 05 23 00-0146 EA 1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	128.75	13.28
23 05 23 00-0147 EA 3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	156.62	14.61
23 05 23 00-0148 EA 1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	192.63	16.60
23 05 23 00-0149 EA 1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	232.83	17.66
23 05 23 00-0150 EA 1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	268.01	20.44
23 05 23 00-0151 EA 2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	328.05	24.16
23 05 23 00-0152 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves (23 05 23 00-0143)		
Note: Socket or NPT connectors.		
23 05 23 00-0153 EA 3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	125.29	13.28
23 05 23 00-0154 EA 1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	145.34	13.28
23 05 23 00-0155 EA 3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	158.28	14.61
23 05 23 00-0156 EA 1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	192.63	16.60
23 05 23 00-0157 EA 1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	229.51	17.66
23 05 23 00-0158 EA 1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	266.35	20.44
23 05 23 00-0159 EA 2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	328.05	24.16
23 05 23 00-0160 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0143)		
Note: Socket or NPT connectors.		
23 05 23 00-0161 EA 1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	70.69	13.28
23 05 23 00-0162 EA 3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	91.10	14.61
23 05 23 00-0163 EA 1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	109.69	16.60
23 05 23 00-0164 EA 1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	144.08	17.66
23 05 23 00-0165 EA 1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	168.48	20.44
23 05 23 00-0166 EA 2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	228.52	24.16
23 05 23 00-0167 EA 2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	318.92	32.64
23 05 23 00-0168 EA 3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	400.40	37.89
23 05 23 00-0169 EA 4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	562.28	42.78

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0170		Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves (23 05 23 00-0143)	
Note: Socket or NPT connectors.			
23 05 23 00-0171	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	82.30 13.28
23 05 23 00-0172	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	107.68 14.61
23 05 23 00-0173	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	132.91 16.60
23 05 23 00-0174	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	184.72 17.66
23 05 23 00-0175	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	203.32 20.44
23 05 23 00-0176	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	260.04 24.16
23 05 23 00-0177	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	444.99 32.64
23 05 23 00-0178	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	519.83 37.89
23 05 23 00-0179	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	794.51 42.78
23 05 23 00-0180		Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0143)	
23 05 23 00-0181		Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0180)	
23 05 23 00-0182	EA	1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	68.10 13.28
23 05 23 00-0183	EA	3/8" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.13 13.28
23 05 23 00-0184	EA	1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	71.92 13.28
23 05 23 00-0185	EA	3/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	92.09 14.61
23 05 23 00-0186	EA	1" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	112.84 16.60
23 05 23 00-0187	EA	1-1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	136.96 17.66
23 05 23 00-0188	EA	1-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	164.60 20.44
23 05 23 00-0189	EA	2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	210.28 24.16
23 05 23 00-0190	EA	2-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	384.44 32.64
23 05 23 00-0191	EA	3" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	428.60 37.89
23 05 23 00-0192	EA	4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	587.99 42.78
23 05 23 00-0193		Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0180)	
23 05 23 00-0194	EA	1/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	68.10 13.28
23 05 23 00-0195	EA	3/8" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.13 13.28
23 05 23 00-0196	EA	1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	71.92 13.28
23 05 23 00-0197	EA	3/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	92.09 14.61
23 05 23 00-0198	EA	1" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	112.84 16.60
23 05 23 00-0199	EA	1-1/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	136.96 17.66
23 05 23 00-0200	EA	1-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	164.60 20.44
23 05 23 00-0201	EA	2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	210.28 24.16
23 05 23 00-0202	EA	2-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	384.44 32.64
23 05 23 00-0203	EA	3" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	428.60 37.89
23 05 23 00-0204	EA	4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	587.99 42.78
23 05 23 00-0205		Three Piece Ball Valves (23 05 23 00-0048)	
23 05 23 00-0206		Threaded Or Sweated, Bronze Body, Three Piece Ball Valves (23 05 23 00-0205)	
23 05 23 00-0207	EA	1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	106.73 13.28
		For Work In Restricted Working Space, Add	11.60
23 05 23 00-0208	EA	3/8" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	108.76 13.28
		For Work In Restricted Working Space, Add	12.21
23 05 23 00-0209	EA	1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	121.74 13.28
		For Work In Restricted Working Space, Add	12.85
23 05 23 00-0210	EA	3/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	154.55 14.61
		For Work In Restricted Working Space, Add	17.32
23 05 23 00-0211	EA	1" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	197.05 16.60
		For Work In Restricted Working Space, Add	20.96
23 05 23 00-0212	EA	1-1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	271.32 17.66
		For Work In Restricted Working Space, Add	26.56
23 05 23 00-0213	EA	1-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	338.78 20.44
		For Work In Restricted Working Space, Add	30.64
23 05 23 00-0214	EA	2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	549.49 24.16
		For Work In Restricted Working Space, Add	36.21
23 05 23 00-0215	EA	2-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	1,173.96 34.66
		For Work In Restricted Working Space, Add	53.10
23 05 23 00-0216		Threaded, Carbon Steel Body, Three Piece Ball Valves (23 05 23 00-0205)	
23 05 23 00-0217	EA	1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	123.16 13.28
		For Work In Restricted Working Space, Add	11.60
23 05 23 00-0218	EA	3/8" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	134.71 13.28
		For Work In Restricted Working Space, Add	12.21



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Common Work Results for HVAC 23 05

General-Duty Valves For HVAC Piping 23 05 23

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0219 EA 1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve For Work In Restricted Working Space, Add	142.93 12.85	13.28
23 05 23 00-0220 EA 3/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve For Work In Restricted Working Space, Add	226.95 17.32	14.61
23 05 23 00-0221 EA 1" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve For Work In Restricted Working Space, Add	289.57 20.96	16.60
23 05 23 00-0222 EA 1-1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve For Work In Restricted Working Space, Add	436.70 26.56	17.66
23 05 23 00-0223 EA 1-1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve For Work In Restricted Working Space, Add	554.57 30.64	20.44
23 05 23 00-0224 EA 2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve For Work In Restricted Working Space, Add	719.96 36.21	24.16
23 05 23 00-0225 Threaded, Stainless Steel Body, Three Piece Ball Valves (23 05 23 00-0205)		
23 05 23 00-0226 EA 1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve..... For Work In Restricted Working Space, Add	311.88 11.60	13.28
23 05 23 00-0227 EA 3/8" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve..... For Work In Restricted Working Space, Add	334.26 12.21	13.28
23 05 23 00-0228 EA 1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve..... For Work In Restricted Working Space, Add	352.34 12.85	13.28
23 05 23 00-0229 EA 3/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve..... For Work In Restricted Working Space, Add	510.74 17.32	14.61
23 05 23 00-0230 EA 1" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve..... For Work In Restricted Working Space, Add	622.63 20.96	16.60
23 05 23 00-0231 EA 1-1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve..... For Work In Restricted Working Space, Add	727.79 26.56	17.66
23 05 23 00-0232 EA 1-1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve..... For Work In Restricted Working Space, Add	973.11 30.64	20.44
23 05 23 00-0233 EA 2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve..... For Work In Restricted Working Space, Add	1,265.39 36.21	24.16
23 05 23 00-0234 EA 3" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve..... For Work In Restricted Working Space, Add	3,316.94 61.28	41.16
23 05 23 00-0235 Globe Valves (23 05 23)		
23 05 23 00-0236 Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves (23 05 23 00-0235)		
23 05 23 00-0237 EA 1/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	80.97 11.62 14.49 17.16 20.98 12.85	13.28
23 05 23 00-0238 EA 1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	76.80 11.62 14.49 17.16 20.98 11.60	13.28
23 05 23 00-0239 EA 3/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	97.62 17.65 21.63 25.62 31.31 12.21	13.28
23 05 23 00-0240 EA 1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	99.76 17.65 21.63 25.62 31.31 79.76 12.85	13.28
23 05 23 00-0241 EA 3/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	119.44 19.13 23.45 27.77 33.95 90.98 17.32	13.94
23 05 23 00-0242 EA 1" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	153.29 25.86 31.70 37.53 45.88 119.70 20.96	13.94
23 05 23 00-0243 EA 1-1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	232.57 44.66 54.74 64.83 79.23 193.87 26.55	17.66

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0244 EA 1-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	308.02 63.83 78.24 92.65 113.24 267.33 30.64	20.44
23 05 23 00-0245 EA 2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	362.74 75.03 91.98 108.92 133.12 314.52 36.21	24.16
23 05 23 00-0246 EA 2-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	407.02 75.65 92.73 109.81 134.22 48.90	32.64
23 05 23 00-0247 EA 3" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	734.79 169.48 207.75 246.02 300.70 56.42	37.89
23 05 23 00-0248 Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0235)		
23 05 23 00-0249 EA 2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	545.95 131.83 161.60 191.36 233.89 355.08 36.21	24.16
23 05 23 00-0250 EA 2-1/2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	678.44 159.79 195.87 231.95 283.50 430.40 48.90	32.64
23 05 23 00-0251 EA 3" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	806.61 191.75 235.05 278.34 340.20 516.48 56.42	37.89
23 05 23 00-0252 EA 4" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,038.59 255.66 313.39 371.12 453.60 688.64 64.16	42.78
23 05 23 00-0253 Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0235)		
23 05 23 00-0254 EA 2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	742.12 161.46 234.38 260.42 66.38	176.98
23 05 23 00-0255 EA 2-1/2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	857.20 196.83 285.72 317.47 66.68	177.26
23 05 23 00-0256 EA 3" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,022.02 236.20 342.86 380.96 78.03	207.82
23 05 23 00-0257 EA 4" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,452.49 314.93 457.15 507.95 130.98	348.41
23 05 23 00-0258 EA 5" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,874.00 437.94 635.72 706.36 138.38	369.60

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****General-Duty Valves For HVAC Piping 23 05 23****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0259 EA 6" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	2,300.90 553.58 803.58 892.87 154.55	410.66
23 05 23 00-0260 EA 8" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	3,397.91 851.28 1,235.73 1,373.04 195.55	524.73
23 05 23 00-0261 EA 10" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	4,981.10 1,296.61 1,882.17 2,091.30 239.55	638.80
23 05 23 00-0262 EA 12" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	8,882.50 2,453.53 3,561.58 3,957.31 290.36	775.69
23 05 23 00-0263 Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves (23 05 23 00-0235)		
23 05 23 00-0264 EA 1/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	71.72 8.96 10.98 15.89 12.85	13.28
23 05 23 00-0265 EA 1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	67.55 8.96 10.98 15.89 11.60	13.28
23 05 23 00-0266 EA 3/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	69.58 8.96 10.98 15.89 12.21	13.28
23 05 23 00-0267 EA 1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	73.65 9.55 11.71 16.95 12.85	13.28
23 05 23 00-0268 EA 3/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	100.46 13.25 16.24 23.51 17.32	13.94
23 05 23 00-0269 EA 1" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	125.96 17.38 21.31 30.84 20.96	13.94
23 05 23 00-0270 EA 1-1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	171.82 25.83 31.66 45.82 26.55	17.66
23 05 23 00-0271 EA 1-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	199.26 30.11 36.91 53.42 30.64	20.44
23 05 23 00-0272 EA 2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	266.99 45.35 55.59 80.46 36.21	24.16
23 05 23 00-0273 EA 2-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	440.92 81.81 100.28 145.14 53.11	35.45
23 05 23 00-0274 EA 3" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	651.16 138.54 169.82 245.80 61.28	41.16
23 05 23 00-0275 Flanged, 125 Lb., Iron Body, Angle Globe Valves (23 05 23 00-0235)		
23 05 23 00-0276 EA 2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,561.31 804.02 522.61 66.38	176.98

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0277 EA 2-1/2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,807.09 950.89 618.08 66.68	177.26
23 05 23 00-0278 EA 3" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	2,127.69 1,120.55 728.36 78.03	207.82
23 05 23 00-0279 EA 4" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	3,104.05 1,600.47 1,040.31 130.98	348.41
23 05 23 00-0280 EA 5" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	5,241.86 2,868.35 1,864.43 138.38	369.60
23 05 23 00-0281 EA 6" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	5,295.74 2,868.35 1,864.43 154.55	410.66
23 05 23 00-0282 EA 8" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	10,008.38 5,613.92 3,649.05 195.55	524.73
23 05 23 00-0283 Plug Valves (23 05 23)		
23 05 23 00-0284 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0283) Note: Includes wrench.		
23 05 23 00-0285 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	313.16	13.28
23 05 23 00-0286 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	328.05	14.61
23 05 23 00-0287 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	414.68	16.60
23 05 23 00-0288 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	496.76	17.66
23 05 23 00-0289 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	546.24	20.44
23 05 23 00-0290 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	644.80	24.16
23 05 23 00-0291 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	965.69	32.64
23 05 23 00-0292 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,181.10	37.89
23 05 23 00-0293 Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0283) Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0294 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	777.47	176.98
23 05 23 00-0295 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	954.91	177.26
23 05 23 00-0296 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,180.69	207.82
23 05 23 00-0297 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,683.24	348.41
23 05 23 00-0298 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,840.80	410.66
23 05 23 00-0299 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,643.36	524.73
23 05 23 00-0300 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,783.09	638.80
23 05 23 00-0301 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	16,123.13	775.69
23 05 23 00-0302 Plug Valves, Forged Steel, Screwed (23 05 23 00-0283)		
23 05 23 00-0303 EA 1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,199.11	13.28
23 05 23 00-0304 EA 3/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,417.17	14.61
23 05 23 00-0305 EA 1" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,602.39	16.60
23 05 23 00-0306 EA 1-1/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,922.84	17.66
23 05 23 00-0307 EA 1-1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,239.12	20.44
23 05 23 00-0308 EA 2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,944.94	24.16
23 05 23 00-0309 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0283)		
23 05 23 00-0310 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,248.60	348.41
23 05 23 00-0311 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,907.53	410.66
23 05 23 00-0312 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,592.66	524.73
23 05 23 00-0313 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,671.12	638.80
23 05 23 00-0314 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,737.68	775.69
23 05 23 00-0315 Eccentric Valves With Taps (23 05 23)		
23 05 23 00-0316 Screwed Eccentric Valves With Taps (23 05 23 00-0315)		
23 05 23 00-0317 EA 1/2" Diameter Threaded, Eccentric Valves With Taps	292.59	13.28
23 05 23 00-0318 EA 3/4" Diameter Threaded, Eccentric Valves With Taps	311.32	14.61
23 05 23 00-0319 EA 1" Diameter Threaded, Eccentric Valves With Taps	392.65	16.60
23 05 23 00-0320 EA 1-1/4" Diameter Threaded, Eccentric Valves With Taps	476.60	17.66
23 05 23 00-0321 EA 1-1/2" Diameter Threaded, Eccentric Valves With Taps	520.96	20.44
23 05 23 00-0322 EA 2" Diameter Threaded, Eccentric Valves With Taps	612.54	24.16
23 05 23 00-0323 EA 2-1/2" Diameter Threaded, Eccentric Valves With Taps	923.80	32.64
23 05 23 00-0324 EA 3" Diameter Threaded, Eccentric Valves With Taps	1,121.79	37.89



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Common Work Results for HVAC 23 05

General-Duty Valves For HVAC Piping 23 05 23

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0325 Flanged Eccentric Valves With Taps (23 05 23 00-0315)		
23 05 23 00-0326 EA 2-1/2" Diameter Flanged, Eccentric Valves With Taps	1,125.25	177.26
23 05 23 00-0327 EA 3" Diameter Flanged, Eccentric Valves With Taps	1,335.99	207.82
23 05 23 00-0328 EA 4" Diameter Flanged, Eccentric Valves With Taps	1,800.68	348.41
23 05 23 00-0329 EA 5" Diameter Flanged, Eccentric Valves With Taps	2,382.52	369.60
23 05 23 00-0330 EA 6" Diameter Flanged, Eccentric Valves With Taps	3,012.77	410.66
23 05 23 00-0331 EA 8" Diameter Flanged, Eccentric Valves With Taps	5,166.75	524.73
23 05 23 00-0332 EA 10" Diameter Flanged, Eccentric Valves With Taps	7,234.65	638.80
23 05 23 00-0333 EA 12" Diameter Flanged, Eccentric Valves With Taps	12,399.26	775.69
23 05 23 00-0334 Check Valves (23 05 23)		
23 05 23 00-0335 Iron Body Wafer Type Check Valve (23 05 23 00-0334)		
23 05 23 00-0336 Single Disk Type (23 05 23 00-0335)		
23 05 23 00-0337 EA 2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	504.86	177.04
For 150 Lb. Rating, Add	59.54	
For 200 Lb. Rating, Add	70.88	
For 300 Lb. Rating, Add	85.05	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	171.85	
23 05 23 00-0338 EA 2-1/2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	593.82	177.35
For 150 Lb. Rating, Add	78.00	
For 200 Lb. Rating, Add	92.86	
For 300 Lb. Rating, Add	111.43	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	211.62	
23 05 23 00-0339 EA 3" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	729.73	207.92
For 150 Lb. Rating, Add	98.60	
For 200 Lb. Rating, Add	117.38	
For 300 Lb. Rating, Add	140.85	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	263.32	
23 05 23 00-0340 EA 4" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,072.71	348.57
For 150 Lb. Rating, Add	133.54	
For 200 Lb. Rating, Add	158.98	
For 300 Lb. Rating, Add	190.77	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	373.52	
23 05 23 00-0341 EA 6" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,607.57	489.22
For 150 Lb. Rating, Add	209.17	
For 200 Lb. Rating, Add	249.01	
For 300 Lb. Rating, Add	298.81	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	570.52	
23 05 23 00-0342 EA 8" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	2,229.25	562.60
For 150 Lb. Rating, Add	320.99	
For 200 Lb. Rating, Add	382.14	
For 300 Lb. Rating, Add	458.56	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	827.99	
23 05 23 00-0343 EA 10" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	3,303.79	684.91
For 150 Lb. Rating, Add	512.69	
For 200 Lb. Rating, Add	610.35	
For 300 Lb. Rating, Add	732.41	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,271.10	
23 05 23 00-0344 Twin Disc Type (23 05 23 00-0335)		
23 05 23 00-0345 EA 2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	700.00	177.04
For 150 Lb. Rating, Add	100.51	
For 200 Lb. Rating, Add	119.66	
For 300 Lb. Rating, Add	143.59	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	259.66	
23 05 23 00-0346 EA 2-1/2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	796.81	177.35
For 150 Lb. Rating, Add	120.63	
For 200 Lb. Rating, Add	143.61	
For 300 Lb. Rating, Add	172.33	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	302.97	
23 05 23 00-0347 EA 3" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	930.45	207.92
For 150 Lb. Rating, Add	140.75	
For 200 Lb. Rating, Add	167.56	
For 300 Lb. Rating, Add	201.07	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	353.65	
23 05 23 00-0348 EA 4" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,287.94	348.57
For 150 Lb. Rating, Add	178.74	
For 200 Lb. Rating, Add	212.78	
For 300 Lb. Rating, Add	255.34	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	470.37	
23 05 23 00-0349 EA 6" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,984.01	489.22
For 150 Lb. Rating, Add	288.22	
For 200 Lb. Rating, Add	343.12	
For 300 Lb. Rating, Add	411.74	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	739.92	
23 05 23 00-0350 EA 8" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	2,794.90	562.60
For 150 Lb. Rating, Add	440.16	
For 200 Lb. Rating, Add	524.00	
For 300 Lb. Rating, Add	628.80	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,082.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0351 EA 10" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	4,175.92	672.68
For 150 Lb. Rating, Add	697.08	
For 200 Lb. Rating, Add	829.86	
For 300 Lb. Rating, Add	995.83	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,665.04	
23 05 23 00-0352 EA 12" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	5,483.81	831.68
For 150 Lb. Rating, Add	933.94	
For 200 Lb. Rating, Add	1,111.83	
For 300 Lb. Rating, Add	1,334.20	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	2,208.59	
23 05 23 00-0353 Lift Check Valves (23 05 23 00-0334)		
23 05 23 00-0354 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0353)		
Note: Watts #600 series.		
23 05 23 00-0355 EA 3/8" Diameter Threaded, Bronze, Lift Check Valve.....	130.22	13.28
23 05 23 00-0356 EA 1/2" Diameter Threaded, Bronze, Lift Check Valve.....	137.78	13.28
23 05 23 00-0357 EA 3/4" Diameter Threaded, Bronze, Lift Check Valve.....	175.97	13.94
23 05 23 00-0358 EA 1" Diameter Threaded, Bronze, Lift Check Valve.....	231.27	13.94
23 05 23 00-0359 EA 1-1/4" Diameter Threaded, Bronze, Lift Check Valve.....	319.84	17.66
23 05 23 00-0360 EA 1-1/2" Diameter Threaded, Bronze, Lift Check Valve.....	388.56	20.44
23 05 23 00-0361 EA 2" Diameter Threaded, Bronze, Lift Check Valve.....	551.37	24.16
23 05 23 00-0362 Bronze Body, Threaded, 300 Lb., Lift Check Valves (23 05 23 00-0353)		
Note: Crane 366E.		
23 05 23 00-0363 EA 1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	786.50	13.28
23 05 23 00-0364 EA 3/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	955.90	13.94
23 05 23 00-0365 EA 1" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	1,711.77	13.94
23 05 23 00-0366 EA 1-1/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	2,280.91	17.66
23 05 23 00-0367 EA 1-1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	2,478.05	20.44
23 05 23 00-0368 EA 2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	3,182.29	24.16
23 05 23 00-0369 Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves (23 05 23 00-0353)		
Note: Mueller 105MAP.		
23 05 23 00-0370 EA 2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	1,164.00	176.98
23 05 23 00-0371 EA 2-1/2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	2,146.92	177.26
23 05 23 00-0372 EA 3" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	2,335.32	207.82
23 05 23 00-0373 EA 4" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	3,225.38	348.41
23 05 23 00-0374 EA 5" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	4,048.72	369.60
23 05 23 00-0375 EA 6" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	5,009.29	410.66
23 05 23 00-0376 EA 8" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	8,877.43	524.73
23 05 23 00-0377 EA 10" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	11,154.96	638.80
23 05 23 00-0378 EA 12" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	18,198.09	775.69
23 05 23 00-0379 Bronze Body Swing Check Valves (23 05 23 00-0334)		
23 05 23 00-0380 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves (23 05 23 00-0379)		
23 05 23 00-0381 EA 1/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	89.83	13.28
For 300 Lb. Rating, Add	18.33	
For Work In Restricted Working Space, Add	12.85	
23 05 23 00-0382 EA 1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	85.66	13.28
For 300 Lb. Rating, Add	18.33	
For Work In Restricted Working Space, Add	11.60	
23 05 23 00-0383 EA 3/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	87.69	13.28
For 300 Lb. Rating, Add	18.33	
For Work In Restricted Working Space, Add	12.21	
23 05 23 00-0384 EA 1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	91.67	13.28
For 300 Lb. Rating, Add	19.05	
For Work In Restricted Working Space, Add	12.85	
23 05 23 00-0385 EA 3/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	116.90	13.94
For 300 Lb. Rating, Add	23.08	
For Work In Restricted Working Space, Add	17.32	
23 05 23 00-0386 EA 1" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	150.24	13.94
For 300 Lb. Rating, Add	31.34	
For Work In Restricted Working Space, Add	20.96	
23 05 23 00-0387 EA 1-1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	201.31	17.66
For 300 Lb. Rating, Add	43.99	
For Work In Restricted Working Space, Add	26.55	
23 05 23 00-0388 EA 1-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	260.10	20.44
For 300 Lb. Rating, Add	61.61	
For Work In Restricted Working Space, Add	30.64	
23 05 23 00-0389 EA 2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	323.79	24.16
For 300 Lb. Rating, Add	79.21	
For Work In Restricted Working Space, Add	36.21	
23 05 23 00-0390 EA 2-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	629.86	32.64
For 300 Lb. Rating, Add	182.08	
For Work In Restricted Working Space, Add	48.90	



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Common Work Results for HVAC 23 05

General-Duty Valves For HVAC Piping 23 05 23

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0391 EA 3" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	852.08 258.96 56.42	37.89
23 05 23 00-0392 EA 4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	965.33 293.05 64.18	42.78
23 05 23 00-0393 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0334)		
23 05 23 00-0394 EA 1" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	673.96 373.12 713.31 37.58	99.58
23 05 23 00-0395 EA 1-1/4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	748.82 411.07 785.86 43.29	116.17
23 05 23 00-0396 EA 1-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	830.34 445.84 852.35 52.41	139.41
23 05 23 00-0397 EA 2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	1,035.59 553.73 1,058.60 66.38	176.98
23 05 23 00-0398 EA 2-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	1,172.63 646.24 1,235.47 66.68	177.26
23 05 23 00-0399 EA 3" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	1,292.85 702.27 1,342.58 78.03	207.82
23 05 23 00-0400 EA 4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	2,032.65 1,085.31 2,074.87 130.98	348.41
23 05 23 00-0401 EA 5" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	2,804.60 1,593.46 3,046.32 138.38	369.60
23 05 23 00-0402 EA 6" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	3,232.13 1,847.54 3,532.06 154.55	410.66
23 05 23 00-0403 EA 8" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	7,435.12 4,612.63 8,818.26 195.55	524.73
23 05 23 00-0404 EA 10" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	10,031.99 6,278.77 12,003.54 239.55	638.80
23 05 23 00-0405 EA 12" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	15,367.06 9,791.44 18,718.93 290.36	775.69
23 05 23 00-0406 Plastic Check Valve (23 05 23 00-0334)		
23 05 23 00-0407 Polyvinyl Chloride (PVC) Check Valve (23 05 23 00-0406)		
23 05 23 00-0408 Polyvinyl Chloride (PVC) "Y" Check Valve (23 05 23 00-0407)		
23 05 23 00-0409 EA 1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	100.85	13.28
23 05 23 00-0410 EA 3/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	120.02	14.61
23 05 23 00-0411 EA 1" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	138.26	16.60
23 05 23 00-0412 EA 1-1/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	196.00	17.66
23 05 23 00-0413 EA 1-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	218.58	20.44
23 05 23 00-0414 EA 2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	367.58	22.25
23 05 23 00-0415 EA 2-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	450.63	32.64
23 05 23 00-0416 EA 3" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	494.62	37.89
23 05 23 00-0417 EA 4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	715.55	42.78
23 05 23 00-0418 EA 3" Diameter Flanged, Polyvinyl Chloride (PVC) "Y" Type Check Valve	690.06	207.82
23 05 23 00-0419 Polyvinyl Chloride (PVC) True Union Ball Check Valve (23 05 23 00-0407)		
23 05 23 00-0420 Valves (23 05 23 00-0419)		
23 05 23 00-0421 EA 1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	77.66	13.28
23 05 23 00-0422 EA 3/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	97.53	14.61
23 05 23 00-0423 EA 1" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	119.64	16.60
23 05 23 00-0424 EA 1-1/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	154.86	17.66
23 05 23 00-0425 EA 1-1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	181.75	20.44
23 05 23 00-0426 EA 2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	265.02	24.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0427 EA 3" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	430.06	32.64
23 05 23 00-0428 EA 4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	723.86	37.89
23 05 23 00-0429 Foot Valve Screen (23 05 23 00-0419)		
Note: For use with PVC true union ball check valves above.		
23 05 23 00-0430 EA 1/2" Diameter, Foot Valve Screen Option	61.97	
23 05 23 00-0431 EA 3/4" Diameter, Foot Valve Screen Option	74.11	
23 05 23 00-0432 EA 1" Diameter, Foot Valve Screen Option	85.88	
23 05 23 00-0433 EA 1-1/4" Diameter, Foot Valve Screen Option	129.65	
23 05 23 00-0434 EA 1-1/2" Diameter, Foot Valve Screen Option	143.44	
23 05 23 00-0435 EA 2" Diameter, Foot Valve Screen Option	155.21	
23 05 23 00-0436 EA 2-1/2" Diameter, Foot Valve Screen Option	185.18	
23 05 23 00-0437 EA 3" Diameter, Foot Valve Screen Option	215.16	
23 05 23 00-0438 EA 4" Diameter, Foot Valve Screen Option	261.13	
23 05 23 00-0439 Hayward "True Check" With VITON Seals (23 05 23 00-0419)		
23 05 23 00-0440 EA 1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	70.18	13.28
23 05 23 00-0441 EA 3/8" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	72.21	13.28
23 05 23 00-0442 EA 1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	78.49	13.28
23 05 23 00-0443 EA 3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	97.45	14.61
23 05 23 00-0444 EA 1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	120.81	16.60
23 05 23 00-0445 EA 1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	154.78	17.66
23 05 23 00-0446 EA 1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	186.73	20.44
23 05 23 00-0447 EA 2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	233.50	24.16
23 05 23 00-0448 EA 2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	425.08	32.64
23 05 23 00-0449 EA 3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	466.75	37.89
23 05 23 00-0450 EA 4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	728.99	42.78
23 05 23 00-0451 Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0419)		
23 05 23 00-0452 EA 1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	74.35	13.28
23 05 23 00-0453 EA 3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	93.38	14.61
23 05 23 00-0454 EA 1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	115.17	16.60
23 05 23 00-0455 EA 1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	148.64	17.66
23 05 23 00-0456 EA 1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	175.45	20.44
23 05 23 00-0457 EA 2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	223.55	24.16
23 05 23 00-0458 EA 2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	410.15	32.64
23 05 23 00-0459 EA 3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	454.31	37.89
23 05 23 00-0460 EA 4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	709.91	42.78
23 05 23 00-0461 Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged (23 05 23 00-0407)		
23 05 23 00-0462 EA 1" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	357.78	79.67
23 05 23 00-0463 EA 1-1/4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	390.36	92.94
23 05 23 00-0464 EA 1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	430.34	116.17
23 05 23 00-0465 EA 2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	525.50	146.04
23 05 23 00-0466 EA 2-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	629.45	146.77
23 05 23 00-0467 EA 3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	856.18	171.23
23 05 23 00-0468 EA 4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,189.37	290.48
23 05 23 00-0469 EA 6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,956.39	489.22
23 05 23 00-0470 Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0406)		
23 05 23 00-0471 EA 1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	68.76	13.28
For Work In Restricted Working Space, Add	12.85	
23 05 23 00-0472 EA 3/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	83.65	14.61
For Work In Restricted Working Space, Add	17.32	
23 05 23 00-0473 EA 1" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	96.83	16.60
For Work In Restricted Working Space, Add	20.96	
23 05 23 00-0474 EA 1-1/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	116.58	17.66
For Work In Restricted Working Space, Add	26.55	
23 05 23 00-0475 EA 1-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	131.82	20.44
For Work In Restricted Working Space, Add	30.64	
23 05 23 00-0476 EA 2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	166.86	24.16
For Work In Restricted Working Space, Add	36.21	
23 05 23 00-0477 EA 2-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	228.71	32.64
For Work In Restricted Working Space, Add	48.90	



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Common Work Results for HVAC 23 05

General-Duty Valves For HVAC Piping 23 05 23

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0478	EA	3" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve..... <i>For Work In Restricted Working Space, Add</i>	273.35 56.42	37.89
23 05 23 00-0479		Polyvinyl Chloride (PVC) Body, Swing Check Valves (23 05 23 00-0406)		
23 05 23 00-0480		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0479)		
23 05 23 00-0481	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	681.11 65.49	171.14
23 05 23 00-0482	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	877.10 107.87	290.34
23 05 23 00-0483	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,380.39 140.91	342.21
23 05 23 00-0484	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,834.17 159.70	433.48
23 05 23 00-0485		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals (23 05 23 00-0479)		
23 05 23 00-0486	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	800.54 65.49	171.14
23 05 23 00-0487	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,140.84 107.87	290.34
23 05 23 00-0488	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,630.21 140.91	342.21
23 05 23 00-0489	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	2,132.75 159.70	433.48
23 05 23 00-0490		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights (23 05 23 00-0479)		
23 05 23 00-0491	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	832.06 65.49	171.14
23 05 23 00-0492	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,143.33 107.87	290.34
23 05 23 00-0493	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,519.73 140.91	342.21
23 05 23 00-0494	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,948.96 159.70	433.48
23 05 23 00-0495		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights (23 05 23 00-0479)		
23 05 23 00-0496	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	931.58 65.49	171.14
23 05 23 00-0497	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,288.48 107.87	290.34
23 05 23 00-0498	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,727.08 140.91	342.21
23 05 23 00-0499	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	2,197.78 159.70	433.48
23 05 23 00-0500		Butterfly Valves (23 05 23)		
23 05 23 00-0501		Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves (23 05 23 00-0500) Note: With on-off handle		
23 05 23 00-0502	EA	2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	537.96 152.01 66.38	176.98
23 05 23 00-0503	EA	2-1/2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	557.37 160.85 66.68	177.26
23 05 23 00-0504	EA	3" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	620.97 173.22 78.03	207.82
23 05 23 00-0505	EA	4" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	889.53 217.41 130.98	348.41
23 05 23 00-0506	EA	5" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,159.57 309.32 154.55	410.66
23 05 23 00-0507	EA	6" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,358.39 378.25 171.11	456.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0508 EA 8" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,837.56 569.15 195.55	524.73
23 05 23 00-0509 EA 10" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,096.30 1,102.94 239.55	638.80
23 05 23 00-0510 EA 12" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,895.36 1,405.19 290.36	775.69
23 05 23 00-0511 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves (23 05 23 00-0500)		
23 05 23 00-0512 EA 2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,090.32 66.38	176.98
23 05 23 00-0513 EA 2-1/2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,098.67 66.68	177.26
23 05 23 00-0514 EA 3" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,180.69 78.03	207.82
23 05 23 00-0515 EA 4" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,475.03 130.98	348.41
23 05 23 00-0516 EA 5" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,807.67 154.55	410.66
23 05 23 00-0517 EA 6" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	2,002.60 171.11	456.29
23 05 23 00-0518 EA 8" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	2,507.75 195.55	524.73
23 05 23 00-0519 EA 10" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	3,195.72 239.55	638.80
23 05 23 00-0520 EA 12" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	4,451.40 290.36	775.69

END OF SECTION 23



Electrical		26
Operation and Maintenance of Electrical Systems		26 01
Operation and Maintenance of Medium-Voltage Electrical Distribution		26 01 10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001	Retrofit Distribution Enclosures ^(26 01 10 91)	
	Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.	
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	497.59
	Note: 2mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	103.73
	For >20 To 50, Add	82.98
	For >50 To 100, Add	41.49
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	646.30
	Note: 2mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	140.91
	For >20 To 50, Add	112.72
	For >50 To 100, Add	56.36
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	973.46
	Note: 4mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	222.70
	For >20 To 50, Add	178.16
	For >50 To 100, Add	89.08
26 01 10 91-0005	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	495.96
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	103.32
	For >20 To 50, Add	82.66
	For >50 To 100, Add	41.33
26 01 10 91-0006	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	634.19
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	137.88
	For >20 To 50, Add	110.30
	For >50 To 100, Add	55.15
26 01 10 91-0007	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	946.57
	Note: 4mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	215.97
	For >20 To 50, Add	172.78
	For >50 To 100, Add	86.39
26 01 10 91-0008	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	390.51
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	76.96
	For >20 To 50, Add	61.57
	For >50 To 100, Add	30.78
26 01 10 91-0009	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	551.12
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	117.11
	For >20 To 50, Add	93.69
	For >50 To 100, Add	46.84
26 01 10 91-0010	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	785.34
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	175.67
	For >20 To 50, Add	140.53
	For >50 To 100, Add	70.27
26 01 10 91-0011	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	715.85
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	158.29
	For >20 To 50, Add	126.63
	For >50 To 100, Add	63.32
26 01 10 91-0012	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	984.56
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	225.47
	For >20 To 50, Add	180.38
	For >50 To 100, Add	90.19
26 01 10 91-0013	EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,805.28
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	430.65
	For >20 To 50, Add	344.52
	For >50 To 100, Add	172.26

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	822.65	
		For Up To 20, Add	184.99	
		For >20 To 50, Add	147.99	
		For >50 To 100, Add	74.00	
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,211.73	
		For Up To 20, Add	282.26	
		For >20 To 50, Add	225.81	
		For >50 To 100, Add	112.91	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices (26 01 20 91) Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	48.42	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	48.42	
26 01 20 91-0004	EA	Lock Out Padlock Device Note: Includes the installation and removal of pad lock when required	13.45	
26 01 20 91-0005	EA	Lock Out Tags Note: Includes filling out tag information, installation and removal of identifying tags.	5.42	
26 01 20 91-0006		Existing Circuit Tracing (26 01 20 91)		
26 01 20 91-0007	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	27.98	
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	27.98	

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment (26 01)

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration (26 01 30)

26 01 30 91-0001		Emergency Generator Permits (26 01 30 91)		
26 01 30 91-0002		Air Pollution Control Board (26 01 30 91-0001)		
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator	5,052.51	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001		Replace Lamps In Existing Fixtures (26 01 50 51) Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.		
26 01 50 51-0002		Halogen Lamps (26 01 50 51-0001)		
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	59.18	
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	76.31	
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	113.94	
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp	27.62	
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp	27.62	
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	39.32	
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	43.12	
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	42.14	
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	45.05	
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	45.67	
26 01 50 51-0013	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	25.04	
26 01 50 51-0014	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	25.04	
26 01 50 51-0015	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	27.40	
26 01 50 51-0016	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	27.40	
26 01 50 51-0017		Incandescent Lamps (26 01 50 51-0001)		
26 01 50 51-0018	EA	100 Watt, Frosted, Interior Incandescent Lamp	7.68	
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.22	
26 01 50 51-0019	EA	150 Watt, Frosted, Interior Incandescent Lamp	9.61	
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.22	
26 01 50 51-0020	EA	200 Watt, Frosted, Interior Incandescent Lamp	11.78	
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.22	
26 01 50 51-0021	EA	300 Watt, PS25, Interior Incandescent Lamp	14.52	
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.22	



Electrical		26
Operation and Maintenance of Electrical Systems		26 01
Operation and Maintenance of Lighting		26 01 50

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0022 EA 60 Watt, G25, Clear, Interior Incandescent Lamp.....	10.83	
For Removal Of Multiple Lamps In A Fixture, Deduct	-2.22	
26 01 50 51-0023 EA 75 Watt, R20, Interior Incandescent Lamp.....	17.23	
For Removal Of Multiple Lamps In A Fixture, Deduct	-2.67	
26 01 50 51-0024 EA 75 Watt, PAR38, Exterior Incandescent Lamp.....	21.06	
For Removal Of Multiple Lamps In A Fixture, Deduct	-2.67	
26 01 50 51-0025 EA 100 Watt, PAR38, Exterior Incandescent Lamp.....	19.54	
For Removal Of Multiple Lamps In A Fixture, Deduct	-2.67	
26 01 50 51-0026 EA 150 Watt, PAR38, Exterior Incandescent Lamp.....	34.05	
For Removal Of Multiple Lamps In A Fixture, Deduct	-2.67	
26 01 50 51-0027 EA 250 Watt, PAR38, Exterior Incandescent Lamp.....	70.55	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.11	
26 01 50 51-0028 EA 300 Watt, PAR56, Exterior Incandescent Lamp.....	81.21	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.11	
26 01 50 51-0029 Exit Light Lamps (26 01 50 51-0001)		
26 01 50 51-0030 EA Convert Exit Light Lamps To Red LED Lamps.....	128.54	
For Green LED Lamps, Add	25.00	
26 01 50 51-0031 EA Fluorescent Lamp For Exit Light.....	36.57	
For Removal Of Multiple Lamps In A Fixture, Deduct	-8.90	
26 01 50 51-0032 EA Lamp Replacement For Emergency Lights On Exit Sign.....	48.22	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.45	
26 01 50 51-0033 Fluorescent Lamps (26 01 50 51-0001)		
26 01 50 51-0034 EA 18", 15 Watt, T8 Fluorescent Lamp.....	13.94	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0035 EA 2', 17 Watt, T8 Fluorescent Lamp.....	16.67	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0036 EA 3', 25 Watt, T8 Fluorescent Lamp.....	19.14	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0037 EA 4', 32 Watt, T8 Fluorescent Lamp.....	19.05	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0038 EA 4', 30 Watt, T8 Fluorescent Lamp.....	23.85	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0039 EA 4', 28 Watt, T8 Fluorescent Lamp.....	20.98	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0040 EA 4', 25 Watt, T8 Fluorescent Lamp.....	20.87	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0041 EA 4', 44 Watt, T8HO Fluorescent Lamp.....	33.21	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0042 EA 8', 59 Watt, T8 Fluorescent Lamp.....	25.46	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0043 EA 18", 15 Watt, T12 Fluorescent Lamp.....	20.82	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0044 EA 2', 20 Watt, T12 Fluorescent Lamp.....	15.89	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0045 EA 3', 30 Watt, T12 Fluorescent Lamp.....	17.84	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0046 EA 4', 34 Watt, T12 Fluorescent Lamp.....	17.93	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0047 EA 4', 40 Watt, T12 Fluorescent Lamp.....	17.57	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0048 EA 8', 60 Watt, T12 Fluorescent Lamp.....	26.09	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0049 EA 8', 75 Watt, T12 Fluorescent Lamp.....	22.12	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0050 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp.....	37.40	
26 01 50 51-0051 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	21.06	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0052 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	17.41	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0053 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	16.85	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0054 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	18.60	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0055 EA 6", 4 Watt, T5 Fluorescent Lamp.....	15.42	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0056 EA 9", 6 Watt, T5 Fluorescent Lamp.....	15.17	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0057 EA 12", 8 Watt, T5 Fluorescent Lamp.....	15.64	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0058 EA 21", 13 Watt, T5 Fluorescent Lamp.....	16.34	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0059 EA 24", 14 Watt, T5 Fluorescent Lamp.....	18.76	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0060 EA 34", 21 Watt, T5 Fluorescent Lamp.....	20.42	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0061 EA 46", 28 Watt, T5 Fluorescent Lamp.....	19.79	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0062 EA 46", 54 Watt, T5HO Fluorescent Lamp.....	21.61	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0063 EA 46", 54 Watt T5 Fluorescent Lamp.....	19.72	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0064 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	30.55	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-4.45	
26 01 50 51-0065 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	29.48	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-4.45	
26 01 50 51-0066 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp.....	27.20	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.22	
26 01 50 51-0067 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp.....	12.12	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.22	
26 01 50 51-0068 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp.....	13.37	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.22	
26 01 50 51-0069 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux.....	35.55	
26 01 50 51-0070 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux.....	35.55	
26 01 50 51-0071 EA 32 Watt 2D (DoubleD) Fluorescent Lamp.....	66.45	
26 01 50 51-0072 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp.....	24.27	
26 01 50 51-0073 EA <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	12.58	
26 01 50 51-0074 EA 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	10.89	
26 01 50 51-0075 EA 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	11.42	
26 01 50 51-0076 EA 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	46.34	
26 01 50 51-0077 EA 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	50.53	
26 01 50 51-0078 EA 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	96.03	
26 01 50 51-0079 EA 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	114.98	
26 01 50 51-0080 EA 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	118.84	
26 01 50 51-0081 EA 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....	43.29	
26 01 50 51-0082 EA 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....	45.14	
26 01 50 51-0083 EA 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....	52.09	
26 01 50 51-0084 Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0085 EA 50 Watt, Pulse Start Metal Halide Lamp.....	52.81	
26 01 50 51-0086 EA 70 Watt, Pulse Start Metal Halide Lamp.....	50.58	
26 01 50 51-0087 EA 100 Watt, Pulse Start Metal Halide Lamp.....	57.64	
26 01 50 51-0088 EA 150 Watt, Pulse Start Metal Halide Lamp.....	56.04	
26 01 50 51-0089 EA 175 Watt, Pulse Start Metal Halide Lamp.....	55.58	
26 01 50 51-0090 EA 250 Watt, Pulse Start Metal Halide Lamp.....	55.89	
26 01 50 51-0091 EA 400 Watt, Pulse Start Metal Halide Lamp.....	67.16	
26 01 50 51-0092 EA 1,000 Watt, Pulse Start Metal Halide Lamp.....	77.96	
26 01 50 51-0093 EA 1,500 Watt, Pulse Start Metal Halide Lamp.....	77.51	
26 01 50 51-0094 High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0095 EA 35 Watt, High Pressure Sodium Lamp.....	43.70	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.43	
26 01 50 51-0096 EA 50 Watt, High Pressure Sodium Lamp.....	43.70	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.43	
26 01 50 51-0097 EA 70 Watt, High Pressure Sodium Lamp.....	44.67	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.43	
26 01 50 51-0098 EA 100 Watt, High Pressure Sodium Lamp.....	46.50	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.43	
26 01 50 51-0099 EA 150 Watt, High Pressure Sodium Lamp.....	44.67	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.43	
26 01 50 51-0100 EA 250 Watt, High Pressure Sodium Lamp.....	44.67	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.43	
26 01 50 51-0101 EA 400 Watt, High Pressure Sodium Lamp.....	41.93	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.43	
26 01 50 51-0102 EA 1,000 Watt, High Pressure Sodium Lamp.....	96.41	
26 01 50 51-0103 Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0104 EA 35 Watt, Low Pressure Sodium Lamp.....	110.06	
26 01 50 51-0105 EA 55 Watt, Low Pressure Sodium Lamp.....	122.73	
26 01 50 51-0106 EA 70 Watt, Low Pressure Sodium Lamp.....	125.58	
26 01 50 51-0107 EA 90 Watt, Low Pressure Sodium Lamp.....	128.43	
26 01 50 51-0108 EA 135 Watt, Low Pressure Sodium Lamp.....	139.85	
26 01 50 51-0109 EA 180 Watt, Low Pressure Sodium Lamp.....	191.22	
26 01 50 51-0110 LED Lamps (26 01 50 51-0001)		
26 01 50 51-0111 LED Lamps, Candelabra Base, CA10 (26 01 50 51-0110)		
26 01 50 51-0112 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star).....	26.61	
26 01 50 51-0113 LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0110)		
26 01 50 51-0114 EA 6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	37.67	
26 01 50 51-0115 EA 11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	37.67	
26 01 50 51-0116 EA 14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	67.36	
26 01 50 51-0117 EA 17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	45.16	
26 01 50 51-0118 EA 18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	85.91	
26 01 50 51-0119 LED Lamps, Medium Base, BR30 Or BR40 (26 01 50 51-0110)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0120	EA		9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	49.91	
26 01 50 51-0121	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	43.64	
26 01 50 51-0122	EA		11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	60.30	
26 01 50 51-0123	EA		14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	49.20	
26 01 50 51-0124	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	67.72	
26 01 50 51-0125	EA		18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	49.20	
26 01 50 51-0126			LED Lamps, Medium Base, PAR (26 01 50 51-0110)		
26 01 50 51-0127	EA		7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	55.85	
26 01 50 51-0128	EA		12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....	78.89	
26 01 50 51-0129	EA		16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	78.89	
26 01 50 51-0130	EA		15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	75.18	
26 01 50 51-0131	EA		12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	71.47	
26 01 50 51-0132	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	71.47	
26 01 50 51-0133	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	146.43	
26 01 50 51-0134	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	78.89	
26 01 50 51-0135	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	75.18	
26 01 50 51-0136	EA		19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....	78.89	
26 01 50 51-0137	EA		24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	78.89	
26 01 50 51-0138			LED Lamps, GU Base, MR16 (26 01 50 51-0110)		
26 01 50 51-0139	EA		4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	36.21	
26 01 50 51-0140	EA		6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	49.91	
26 01 50 51-0141	EA		8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	55.85	
26 01 50 51-0142			LED Lamps, PL Series (26 01 50 51-0110)		
26 01 50 51-0143	EA		3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....	18.40	
26 01 50 51-0144	EA		26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/827/DIR).....	24.46	
26 01 50 51-0145	EA		26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR).....	20.93	
26 01 50 51-0146	EA		26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR).....	23.14	
26 01 50 51-0147	EA		26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR).....	23.14	
26 01 50 51-0148	EA		26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR).....	27.12	
26 01 50 51-0149	EA		13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR).....	23.14	
26 01 50 51-0150	EA		13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR).....	23.14	
26 01 50 51-0151	EA		13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR).....	23.14	
26 01 50 51-0152	EA		13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR).....	23.14	
26 01 50 51-0153	EA		26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR).....	25.79	
26 01 50 51-0154	EA		26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR).....	25.79	
26 01 50 51-0155	EA		26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR).....	25.79	
26 01 50 51-0156	EA		26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR).....	25.79	
26 01 50 51-0157	EA		26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR).....	24.46	
26 01 50 51-0158	EA		13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR).....	24.46	
26 01 50 51-0159	EA		13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR).....	24.46	
26 01 50 51-0160	EA		13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR).....	25.35	
26 01 50 51-0161	EA		13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR).....	25.35	
26 01 50 51-0162	EA		26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	25.54	
26 01 50 51-0163	EA		26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	25.54	
26 01 50 51-0164	EA		26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	25.54	
26 01 50 51-0165	EA		26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	25.54	
26 01 50 51-0166	EA		13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	26.23	
26 01 50 51-0167	EA		13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	26.23	
26 01 50 51-0168	EA		13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....	26.23	
26 01 50 51-0169	EA		13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....	26.23	
26 01 50 51-0170	EA		13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....	26.23	
26 01 50 51-0171	EA		13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....	26.23	
26 01 50 51-0172	EA		13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	26.23	
26 01 50 51-0173	EA		13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	26.23	
26 01 50 51-0174	EA		26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	33.14	
26 01 50 51-0175	EA		26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	33.14	
26 01 50 51-0176	EA		26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	33.14	
26 01 50 51-0177	EA		26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	31.55	
26 01 50 51-0178	EA		13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	31.55	
26 01 50 51-0179	EA		13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	31.55	
26 01 50 51-0180	EA		4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898).....	27.66	
26 01 50 51-0181			HID LED Lamps, Medium Base E26 (26 01 50 51-0110)		
26 01 50 51-0182	EA		27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/27TV/E26).....	62.05	
26 01 50 51-0183	EA		27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/27TV/E26).....	62.05	
26 01 50 51-0184	EA		45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/27TV/E26).....	78.40	
26 01 50 51-0185	EA		45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/27TV/E26).....	78.40	
26 01 50 51-0186	EA		10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....	55.12	
26 01 50 51-0187	EA		10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....	55.12	
26 01 50 51-0188	EA		10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....	55.12	
26 01 50 51-0189	EA		10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026).....	55.12	
26 01 50 51-0190	EA		15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026).....	56.89	
26 01 50 51-0191	EA		15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026).....	56.89	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COST
DEMOLITION
UNIT COST

26 01 50 51-0192	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	56.89	
26 01 50 51-0193	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	56.89	
26 01 50 51-0194	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	63.97	
26 01 50 51-0195	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	63.97	
26 01 50 51-0196	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	63.97	
26 01 50 51-0197	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	63.97	
26 01 50 51-0198	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	72.81	
26 01 50 51-0199	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	72.81	
26 01 50 51-0200	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	72.81	
26 01 50 51-0201	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	72.81	
26 01 50 51-0202	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	92.26	
26 01 50 51-0203	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	92.26	
26 01 50 51-0204	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	92.26	
26 01 50 51-0205	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	92.26	
26 01 50 51-0206	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	109.07	
26 01 50 51-0207	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	109.07	
26 01 50 51-0208	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	109.07	
26 01 50 51-0209	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	109.07	
26 01 50 51-0210	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	120.56	
26 01 50 51-0211	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	120.56	
26 01 50 51-0212	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	120.56	
26 01 50 51-0213	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	120.56	
26 01 50 51-0214	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	162.12	
26 01 50 51-0215	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	162.12	
26 01 50 51-0216	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	162.12	
26 01 50 51-0217	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	162.12	
26 01 50 51-0218	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	167.43	
26 01 50 51-0219	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	167.43	
26 01 50 51-0220	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	167.43	
26 01 50 51-0221	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	167.43	
26 01 50 51-0222	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	198.38	
26 01 50 51-0223	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	198.38	
26 01 50 51-0224	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	198.38	
26 01 50 51-0225	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	198.38	
26 01 50 51-0226	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	235.52	
26 01 50 51-0227	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	235.52	
26 01 50 51-0228	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	235.52	
26 01 50 51-0229	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	235.52	
26 01 50 51-0230	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT40KMED-G6)	76.61	
26 01 50 51-0231	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT50KMED-G6)	82.80	
26 01 50 51-0232	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT40KMED-G5)	82.80	
26 01 50 51-0233	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT50KMED-G5)	76.61	
26 01 50 51-0234	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT40KMED-G5)	96.06	
26 01 50 51-0235	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT50KMED-G5)	88.11	
26 01 50 51-0236	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT40KMED-G5)	105.79	
26 01 50 51-0237	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT50KMED-G5)	104.75	
26 01 50 51-0238	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT40KMED-G5)	107.12	
26 01 50 51-0239	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT50KMED-G5)	107.12	
26 01 50 51-0240	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT40KMED-G7)	65.14	
26 01 50 51-0241	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT50KMED-G7)	65.14	
26 01 50 51-0242	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT40KMED-G7)	73.32	
26 01 50 51-0243	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT50KMED-G7)	73.32	
26 01 50 51-0244	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT40KMED-G7)	78.76	
26 01 50 51-0245	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT50KMED-G7)	78.76	
26 01 50 51-0246	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT40KMED-G7)	86.93	
26 01 50 51-0247	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT50KMED-G7)	86.93	
26 01 50 51-0248	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	87.35	
26 01 50 51-0249	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	94.61	
26 01 50 51-0250	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	117.51	
26 01 50 51-0251	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	129.36	
26 01 50 51-0252	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	51.27	
26 01 50 51-0253	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	57.64	
26 01 50 51-0254	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	60.82	
26 01 50 51-0255	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	66.75	
26 01 50 51-0256	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	80.12	
26 01 50 51-0257	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	93.73	
26 01 50 51-0258	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	127.74	
26 01 50 51-0259	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	134.54	
26 01 50 51-0260	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	145.43	
26 01 50 51-0261	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	152.23	
26 01 50 51-0262	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	218.89	
26 01 50 51-0263	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	69.49	

26 01 50 51-0264 HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0110)

26 01 50 51-0265	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	209.58	
26 01 50 51-0266	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	209.58	
26 01 50 51-0267	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	209.58	
26 01 50 51-0268	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	62.05	
26 01 50 51-0269	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	62.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0270	EA		27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39).....	62.05	
26 01 50 51-0271	EA		45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39).....	78.40	
26 01 50 51-0272	EA		45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R).....	78.40	
26 01 50 51-0273	EA		45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39).....	78.40	
26 01 50 51-0274	EA		80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39).....	144.73	
26 01 50 51-0275	EA		80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039).....	162.12	
26 01 50 51-0276	EA		80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039).....	162.12	
26 01 50 51-0277	EA		80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039).....	162.12	
26 01 50 51-0278	EA		80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039).....	162.12	
26 01 50 51-0279	EA		100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039).....	167.43	
26 01 50 51-0280	EA		100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039).....	167.43	
26 01 50 51-0281	EA		100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039).....	167.43	
26 01 50 51-0282	EA		100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039).....	167.43	
26 01 50 51-0283	EA		120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039).....	198.38	
26 01 50 51-0284	EA		120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039).....	198.38	
26 01 50 51-0285	EA		120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039).....	198.38	
26 01 50 51-0286	EA		120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039).....	198.38	
26 01 50 51-0287	EA		150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039).....	235.52	
26 01 50 51-0288	EA		150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039).....	235.52	
26 01 50 51-0289	EA		150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039).....	235.52	
26 01 50 51-0290	EA		150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039).....	235.52	
26 01 50 51-0291	EA		27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5).....	82.80	
26 01 50 51-0292	EA		27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5).....	82.80	
26 01 50 51-0293	EA		36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5).....	96.06	
26 01 50 51-0294	EA		36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5).....	94.84	
26 01 50 51-0295	EA		45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5).....	105.79	
26 01 50 51-0296	EA		45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5).....	104.75	
26 01 50 51-0297	EA		54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5).....	107.12	
26 01 50 51-0298	EA		54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5).....	104.04	
26 01 50 51-0299	EA		100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5).....	224.29	
26 01 50 51-0300	EA		20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/40KMOG-G7).....	82.77	
26 01 50 51-0301	EA		20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/50KMOG-G7).....	82.77	
26 01 50 51-0302	EA		30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/40KMOG-G7).....	93.77	
26 01 50 51-0303	EA		30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/50KMOG-G7).....	93.77	
26 01 50 51-0304	EA		40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/40KMOG-G7).....	100.39	
26 01 50 51-0305	EA		40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/50KMOG-G7).....	100.39	
26 01 50 51-0306	EA		27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7).....	65.03	
26 01 50 51-0307	EA		27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7).....	65.03	
26 01 50 51-0308	EA		36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7).....	73.32	
26 01 50 51-0309	EA		36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7).....	73.32	
26 01 50 51-0310	EA		45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7).....	78.76	
26 01 50 51-0311	EA		45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7).....	78.76	
26 01 50 51-0312	EA		54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7).....	86.93	
26 01 50 51-0313	EA		54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7).....	86.93	
26 01 50 51-0314	EA		65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39).....	155.80	
26 01 50 51-0315	EA		80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39).....	180.03	
26 01 50 51-0316	EA		100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39).....	214.52	
26 01 50 51-0317	EA		120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39).....	417.60	
26 01 50 51-0318	EA		150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39).....	394.41	
26 01 50 51-0319	EA		200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39).....	417.60	
26 01 50 51-0320	EA		250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39).....	419.41	
26 01 50 51-0321	EA		24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A).....	64.63	
26 01 50 51-0322	EA		24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A).....	64.63	
26 01 50 51-0323	EA		24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A).....	64.63	
26 01 50 51-0324	EA		100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50).....	189.45	
26 01 50 51-0325	EA		115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D).....	423.64	
26 01 50 51-0326	EA		40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K).....	181.44	
26 01 50 51-0327	EA		100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K).....	213.44	
26 01 50 51-0328	EA		45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K).....	95.08	
26 01 50 51-0329	EA		40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K).....	295.96	
26 01 50 51-0330			LED Lamps, 2G11 Base (26 01 50 51-0110)		
26 01 50 51-0331	EA		19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR).....	50.07	
26 01 50 51-0332			LED Lamps, GX23 Or G23 Base (26 01 50 51-0110)		
26 01 50 51-0333	EA		5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4).....	24.88	
26 01 50 51-0334			LED Lamps, G24 Base (26 01 50 51-0110)		
26 01 50 51-0335	EA		5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R).....	32.18	
26 01 50 51-0336			LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0110)		
26 01 50 51-0337	EA		2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	44.13	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0338	EA		2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	57.25	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0339 EA 3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	47.54	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.78	
26 01 50 51-0340 EA 4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	52.04	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0341 EA 4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	56.96	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0342 EA 4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	36.03	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0343 EA 2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	34.68	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0344 EA 2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF).....	31.64	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.56	
26 01 50 51-0345 EA 3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF).....	32.22	
For Removal Of Multiple Lamps In A Fixture, Deduct	-3.78	
26 01 50 51-0346 EA 4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF).....	32.25	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0347 EA 4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF).....	33.41	
For Removal Of Multiple Lamps In A Fixture, Deduct	-4.00	
26 01 50 51-0348 Filament LED Lamps (26 01 50 51-0110)		
26 01 50 51-0349 EA 7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827).....	20.46	
26 01 50 51-0350 EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R).....	20.46	
26 01 50 51-0351 EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827).....	19.58	
26 01 50 51-0352 EA 4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A).....	19.58	
26 01 50 51-0353 EA 4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	20.99	
26 01 50 51-0354 EA 4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	20.99	
26 01 50 51-0355 EA 3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	17.81	
26 01 50 51-0356 EA 3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26).....	17.81	
26 01 50 51-0357 EA 3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A).....	18.34	
26 01 50 51-0358 EA 3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	22.23	
26 01 50 51-0359 EA 4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521).....	24.13	
26 01 50 51-0360 Other Lamps (26 01 50 51-0110)		
26 01 50 51-0361 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	19.44	
26 01 50 51-0362 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	19.44	
26 01 50 51-0363 EA 11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	19.44	
26 01 50 51-0364 EA 12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	20.32	
26 01 50 51-0365 EA 13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	20.32	
26 01 50 51-0366 EA 8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	20.32	
26 01 50 51-0367 LED Lamps, Light Engines, Round, LER Series (26 01 50 51-0110)		
26 01 50 51-0368 EA 5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....	58.34	
26 01 50 51-0369 EA 9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	34.05	
26 01 50 51-0370 Remove Hazardous Lamps From Fixture For Recycling (26 01 50 51)		
Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0379 for recycling hazardous lamps.		
26 01 50 51-0371 EA Removal Of 2' Length Linear Fluorescent Lamps.....	4.72	
For Removal Of Multiple Lamps In A Fixture, Deduct	-1.56	
26 01 50 51-0372 EA Removal Of 3' Length Linear Fluorescent Lamps.....	5.39	
For Removal Of Multiple Lamps In A Fixture, Deduct	-1.78	
26 01 50 51-0373 EA Removal Of 4' Length Linear Fluorescent Lamps.....	6.07	
For Removal Of Multiple Lamps In A Fixture, Deduct	-2.00	
26 01 50 51-0374 EA Removal Of 6' Length Linear Fluorescent Lamps.....	6.74	
For Removal Of Multiple Lamps In A Fixture, Deduct	-2.22	
26 01 50 51-0375 EA Removal Of 8' Length Linear Fluorescent Lamps.....	7.41	
For Removal Of Multiple Lamps In A Fixture, Deduct	-2.45	
26 01 50 51-0376 EA Removal Of Compact Fluorescent Lamps	4.04	
For >25 To 40, Deduct	-0.40	
For >40, Deduct	-0.81	
26 01 50 51-0377 EA Removal Of U-Shaped Or Circular Fluorescent Lamps	6.41	
For >25 To 40, Deduct	-0.64	
For >40, Deduct	-1.28	
26 01 50 51-0378 EA Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps.....	11.46	
For >25 To 40, Deduct	-1.15	
For >40, Deduct	-2.29	
26 01 50 51-0379 Recycle Hazardous Lamps (26 01 50 51)		
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
26 01 50 51-0380 EA Recycle 2' Length Linear Fluorescent Lamps.....	1.79	
26 01 50 51-0381 EA Recycle 3' Length Linear Fluorescent Lamps.....	2.29	
26 01 50 51-0382 EA Recycle 4' Length Linear Fluorescent Lamps.....	2.79	
26 01 50 51-0383 EA Recycle 6' Length Linear Fluorescent Lamps.....	3.95	



Electrical		26
Operation and Maintenance of Electrical Systems		26 01
Operation and Maintenance of Lighting		26 01 50

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0384	EA	Recycle 8' Length Linear Fluorescent Lamps	4.95	
26 01 50 51-0385	EA	Recycle Compact Fluorescent Lamps	4.56	
26 01 50 51-0386	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.56	
26 01 50 51-0387	EA	Recycle High Intensity Discharge (HID) Lamps	7.20	
26 01 50 52 Ballasts Replacement (26 01 50)				
26 01 50 52-0001		High Intensity Discharge (HID) Ballasts (26 01 50 52)		
26 01 50 52-0002		Magnetic High Intensity Discharge (HID) Ballasts (26 01 50 52-0001)		
26 01 50 52-0003		Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0002)		
26 01 50 52-0004		Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0003)		
26 01 50 52-0005	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	182.34	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0006	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	186.71	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0007	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	186.71	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0008	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	174.27	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0009	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	174.27	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0010	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	257.66	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0011	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	257.66	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0012	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	331.11	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0013	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	368.58	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0014		High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0003)		
26 01 50 52-0015	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	165.07	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0016	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	174.84	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0017	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	170.62	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0018	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	200.00	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0019	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	195.80	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0020	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	223.06	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0021	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	223.06	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0022	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	268.39	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0023	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	268.39	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0024	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	427.47	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0025	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	427.47	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0026		Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0003)		
26 01 50 52-0027	EA	Single Mounting Bracket For Core And Coil Type	19.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.04	
26 01 50 52-0028	EA	Double Mounting Bracket For Core And Coil Type	32.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.07	
26 01 50 52-0029		F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0002)		
26 01 50 52-0030		Metal Halide, F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0029)		
26 01 50 52-0031	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	230.48	33.70
		For Pulse Start Ballast, Add	18.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0032	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	242.60	33.70
		For Pulse Start Ballast, Add	19.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0033	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	221.30	33.70
		For Pulse Start Ballast, Add	17.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0034	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	256.31 20.91 14.15	33.70
26 01 50 52-0035	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	354.42 30.72 14.15	33.70
26 01 50 52-0036 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0029)				
26 01 50 52-0037	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	276.43 14.15	33.70
26 01 50 52-0038	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.32 14.15	33.70
26 01 50 52-0039 Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0002)				
26 01 50 52-0040 Metal Halide, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0039)				
26 01 50 52-0041	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.61 14.15	33.70
26 01 50 52-0042 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0039)				
26 01 50 52-0043	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	702.97 14.12	33.63
26 01 50 52-0044	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	783.54 14.12	33.63
26 01 50 52-0045	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	755.66 14.12	33.63
26 01 50 52-0046 Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0002)				
26 01 50 52-0047 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0046)				
26 01 50 52-0048	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	562.55 14.15	33.70
26 01 50 52-0049	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	638.00 14.15	33.70
26 01 50 52-0050	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	841.46 14.15	33.70
26 01 50 52-0051	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	837.08 14.15	33.70
26 01 50 52-0052	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,171.52 14.96	36.40
26 01 50 52-0053	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,171.52 14.96	36.40
26 01 50 52-0054	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	807.14 14.15	33.70
26 01 50 52-0055	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	948.94 14.15	33.70
26 01 50 52-0056 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0046)				
26 01 50 52-0057	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,046.45 14.15	33.70
26 01 50 52-0058	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	996.47 14.15	33.70
26 01 50 52-0059	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,279.81 14.15	33.70
26 01 50 52-0060	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,279.81 14.15	33.70
26 01 50 52-0061 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0002)				
26 01 50 52-0062 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0061)				
26 01 50 52-0063	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	631.69 14.15	33.70
26 01 50 52-0064	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	682.04 14.15	33.70
26 01 50 52-0065	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	677.08 14.15	33.70
26 01 50 52-0066	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	710.82 14.15	33.70
26 01 50 52-0067	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,127.53 14.96	36.40
26 01 50 52-0068	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,385.13 14.96	36.40



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0069	EA	1	Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,052.30 14.15	33.70
26 01 50 52-0070	EA	1	Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	958.38 14.15	33.70
26 01 50 52-0071 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0061)					
26 01 50 52-0072	EA	1	Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	814.40 14.15	33.70
26 01 50 52-0073	EA	1	Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	877.91 14.15	33.70
26 01 50 52-0074	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,309.12 14.15	33.70
26 01 50 52-0075	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,126.93 14.15	33.70
26 01 50 52-0076 Electronic High Intensity Discharge (HID) Ballasts (26 01 50 52-0001)					
26 01 50 52-0077 Electronic Low Frequency High Intensity Discharge (HID) Ballasts (26 01 50 52-0076)					
26 01 50 52-0078	EA	1	Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.63 14.15	33.70
26 01 50 52-0079	EA	1	Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.63 14.15	33.70
26 01 50 52-0080	EA	1	Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	286.46 14.15	33.70
26 01 50 52-0081	EA	1	Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	732.53 14.15	33.70
26 01 50 52-0082	EA	1	Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	732.53 14.15	33.70
26 01 50 52-0083	EA	1	Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	732.53 14.15	33.70
26 01 50 52-0084	EA	1	Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	732.53 14.15	33.70
26 01 50 52-0085	EA	1	Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	732.53 14.15	33.70
26 01 50 52-0086 Owner Supplied Ballasts (26 01 50 52)					
26 01 50 52-0087	EA	1	Install Owner Supplied, 1 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.97 8.09	
26 01 50 52-0088	EA	1	Install Owner Supplied, 2 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.70 10.11	
26 01 50 52-0089	EA	1	Install Owner Supplied, 3 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.10 11.73	
26 01 50 52-0090	EA	1	Install Owner Supplied, 4 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.79 12.54	
26 01 50 52-0091	EA	1	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.18 14.15	
26 01 50 52-0092	EA	1	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.88 14.96	
26 01 50 53 Lens and Accessory Replacement (26 01 50)					
26 01 50 53-0001 Lens and Accessory Replacement (26 01 50 53)					
26 01 50 53-0002	EA		Removal And Replacement Of Parabolic Aluminum Louver.....	89.14	
26 01 50 53-0003	EA		Removal And Replacement Of Visor For Fixtures	202.48	
26 01 50 53-0004	EA		Removal And Replacement Of Globe On Pole	223.99	
26 01 50 53-0005	EA		Removal And Replacement Of Lenses For Flat Top Pole Fixtures.....	96.66	
26 01 50 53-0006	EA		Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	33.55	
26 01 50 53-0007	EA		Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	34.62	
26 01 50 53-0008	EA		Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	39.26	
26 01 50 53-0009	EA		Removal And Replacement Of Slide-On Lampholder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13 4.04	
26 01 50 53-0010	EA		Removal And Replacement Of Screw Mount Lampholder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29 4.04	
26 01 50 53-0011	EA		Removal And Replacement Of Medium Bi-Pin Lampholder	16.71	
26 01 50 53-0012	EA		Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.88 4.04	
26 01 50 53-0013	EA		Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	20.29	
26 01 50 53-0014	EA		Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.49 4.04	
26 01 50 53-0015	EA		Removal And Replacement Of Exterior Light Globes.....	62.75	

26 Electrical**26 05 Common Work Results for Electrical****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 05 Common Work Results for Electrical ⁽²⁶⁾**26 05 13 Medium-Voltage Cables** ^(26 05)**26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables** ^(26 05 13)**26 05 13 16-0001 Wire And Cable** ^(26 05 13 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable ^(26 05 13 16-0001)**26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** ^(26 05 13 16-0002)

26 05 13 16-0004	MLF #6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,116.94	1,032.49
26 05 13 16-0005	MLF #4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,894.69	1,127.38
26 05 13 16-0006	MLF #2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,858.00	1,273.76
26 05 13 16-0007	MLF 1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,620.72	1,569.33
26 05 13 16-0008	MLF 2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,684.39	1,767.21
26 05 13 16-0009	MLF 3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,706.26	1,961.55
26 05 13 16-0010	MLF 4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,051.88	2,204.01
26 05 13 16-0011	MLF 250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,344.18	2,452.05
26 05 13 16-0012	MLF 350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	16,705.42	2,927.68
26 05 13 16-0013	MLF 500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	21,118.19	3,441.43
26 05 13 16-0014	MLF 750 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	31,710.51	4,056.10
26 05 13 16-0015	MLF 1,000 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	42,309.27	4,670.47

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial ^(26 05 13 16-0002)

Note: Excludes excavation.

26 05 13 16-0017	MLF #6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,987.90	
26 05 13 16-0018	MLF #4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,528.31	
26 05 13 16-0019	MLF #2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,125.61	
26 05 13 16-0020	MLF 1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,392.03	
26 05 13 16-0021	MLF 2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,960.88	
26 05 13 16-0022	MLF 3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,738.79	
26 05 13 16-0023	MLF 4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,478.29	
26 05 13 16-0024	MLF 250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,398.60	
26 05 13 16-0025	MLF 350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,699.53	
26 05 13 16-0026	MLF 500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,944.04	

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) ^(26 05 13 16-0002)

26 05 13 16-0028	MLF #6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,239.64	651.06
26 05 13 16-0029	MLF #4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,903.38	698.08
26 05 13 16-0030	MLF #2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,983.76	882.78
26 05 13 16-0031	MLF 1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,502.04	1,071.67
26 05 13 16-0032	MLF 2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,558.64	1,258.04
26 05 13 16-0033	MLF 3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,567.45	1,438.70
26 05 13 16-0034	MLF 4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,910.34	1,669.30



Electrical		26
Common Work Results for Electrical		26 05
Medium-Voltage Cables		26 05 13

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0035 MLF 250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,710.15	2,100.09
26 05 13 16-0036 MLF 350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,340.08	2,657.26
26 05 13 16-0037 MLF 500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,251.85	3,338.59
26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor (26 05 13 16-0002)		
26 05 13 16-0039 MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,982.79	2,057.62
26 05 13 16-0040 MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,400.36	2,087.19
26 05 13 16-0041 MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,817.93	2,116.76
26 05 13 16-0042 MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,318.55	2,163.55
26 05 13 16-0043 MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,801.23	2,246.08
26 05 13 16-0044 MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	21,239.73	2,353.92
26 05 13 16-0045 MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	32,947.55	2,942.40
26 05 13 16-0046 MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	37,958.70	3,923.25
26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0002)		
26 05 13 16-0048 MLF #6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,393.40	1,032.49
26 05 13 16-0049 MLF #4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,268.42	1,127.38
26 05 13 16-0050 MLF #2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,339.25	1,273.76
26 05 13 16-0051 MLF #1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,312.56	1,421.47
26 05 13 16-0052 MLF 1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,286.27	1,569.33
26 05 13 16-0053 MLF 2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,452.33	1,767.21
26 05 13 16-0054 MLF 3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,750.66	1,961.55
26 05 13 16-0055 MLF 4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,229.40	2,204.01
26 05 13 16-0056 MLF 250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,822.73	2,452.05
26 05 13 16-0057 MLF 350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,394.90	2,927.68
26 05 13 16-0058 MLF 500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	23,370.83	3,441.43
26 05 13 16-0059 MLF 750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	35,593.82	4,056.10
26 05 13 16-0060 MLF 1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	47,823.22	4,670.47
26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)		
Note: Excludes excavation.		
26 05 13 16-0062 MLF #6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,264.36	
26 05 13 16-0063 MLF #4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,902.05	
26 05 13 16-0064 MLF #2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,606.86	
26 05 13 16-0065 MLF #1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,332.76	
26 05 13 16-0066 MLF 1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,057.58	
26 05 13 16-0067 MLF 2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,728.83	
26 05 13 16-0068 MLF 3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,783.20	
26 05 13 16-0069 MLF 4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,655.81	
26 05 13 16-0070 MLF 250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,877.15	
26 05 13 16-0071 MLF 350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,389.01	
26 05 13 16-0072 MLF 500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	18,196.68	
26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)		
26 05 13 16-0074 MLF #6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,516.10	651.06

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0075 MLF #4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,277.11	698.08
26 05 13 16-0076 MLF #2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,465.01	882.78
26 05 13 16-0077 MLF #1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,314.56	976.53
26 05 13 16-0078 MLF 1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,167.59	1,071.67
26 05 13 16-0079 MLF 2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,326.58	1,258.04
26 05 13 16-0080 MLF 3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,611.85	1,438.70
26 05 13 16-0081 MLF 4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,087.86	1,669.30
26 05 13 16-0082 MLF 250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,188.70	2,100.09
26 05 13 16-0083 MLF 350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,029.56	2,657.26
26 05 13 16-0084 MLF 500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	23,504.49	3,338.59
26 05 13 16-0085 15 KV Cable (26 05 13 16-0001)		
26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)		
26 05 13 16-0087 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0086)		
26 05 13 16-0088 MLF #4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,083.74	2,057.62
26 05 13 16-0089 MLF #2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,885.18	2,057.62
26 05 13 16-0090 MLF #1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,190.88	2,057.62
26 05 13 16-0091 MLF 1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,186.75	2,057.62
26 05 13 16-0092 MLF 2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,131.97	2,057.62
26 05 13 16-0093 MLF 3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,943.89	2,147.81
26 05 13 16-0094 MLF 4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	14,315.22	2,147.81
26 05 13 16-0095 MLF 250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	16,586.63	2,246.08
26 05 13 16-0096 MLF 350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	18,895.63	2,298.75
26 05 13 16-0097 MLF 500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	23,386.05	2,589.32
26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0086)		
Note: Excludes excavation.		
26 05 13 16-0099 MLF #1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,977.51	
26 05 13 16-0100 MLF 1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,973.36	
26 05 13 16-0101 MLF 2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,918.59	
26 05 13 16-0102 MLF 3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,758.95	
26 05 13 16-0103 MLF 4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,130.27	
26 05 13 16-0104 MLF 250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,523.20	
26 05 13 16-0105 MLF 350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,835.96	
26 05 13 16-0106 MLF 500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	21,032.14	
26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0086)		
26 05 13 16-0108 MLF #1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,480.76	930.07
26 05 13 16-0109 MLF 1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,847.20	1,071.67
26 05 13 16-0110 MLF 2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,280.18	1,258.04
26 05 13 16-0111 MLF 3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,339.73	1,438.70



Electrical		26
Common Work Results for Electrical		26 05
Medium-Voltage Cables		26 05 13

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0112	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,314.44	1,669.30
26 05 13 16-0113	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,057.17	1,943.28
26 05 13 16-0114	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,074.82	2,264.42
26 05 13 16-0115	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	23,796.61	2,630.34
26 05 13 16-0116		Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)		
26 05 13 16-0117		Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0116)		
26 05 13 16-0118	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,792.88	2,057.62
26 05 13 16-0119	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,738.58	2,057.62
26 05 13 16-0120	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,099.31	2,057.62
26 05 13 16-0121	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,274.43	2,057.62
26 05 13 16-0122	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,389.79	2,057.62
26 05 13 16-0123	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,487.30	2,147.81
26 05 13 16-0124	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,925.48	2,147.81
26 05 13 16-0125	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	18,561.47	2,246.08
26 05 13 16-0126	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	21,262.40	2,298.75
26 05 13 16-0127	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	26,430.34	2,589.32
26 05 13 16-0128		Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0116) Note: Excludes excavation.		
26 05 13 16-0129	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,885.94	
26 05 13 16-0130	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,061.05	
26 05 13 16-0131	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,176.41	
26 05 13 16-0132	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,302.37	
26 05 13 16-0133	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,740.53	
26 05 13 16-0134	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,492.30	
26 05 13 16-0135	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	19,193.51	
26 05 13 16-0136	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	24,076.44	
26 05 13 16-0137		Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0116)		
26 05 13 16-0138	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,389.19	930.07
26 05 13 16-0139	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,934.89	1,071.67
26 05 13 16-0140	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,538.00	1,258.04
26 05 13 16-0141	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,883.15	1,438.70
26 05 13 16-0142	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,924.70	1,669.30
26 05 13 16-0143	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,032.02	1,943.28
26 05 13 16-0144	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,441.59	2,264.42
26 05 13 16-0145	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	26,840.91	2,630.34
26 05 13 16-0146		15 KV Non-Shielded Single Copper Conductor (26 05 13 16-0085)		
26 05 13 16-0147	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	13,363.17	2,064.83
26 05 13 16-0148	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,436.27	2,114.19

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0149 MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	17,558.56	2,163.55
26 05 13 16-0150 MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	24,379.75	2,307.72
26 05 13 16-0151 Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 16-0085) Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152 Galvanized Steel Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0153 LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	61.30	15.74
26 05 13 16-0154 LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	73.99	16.77
26 05 13 16-0155 Aluminum Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0156 LF 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	61.30	15.74
26 05 13 16-0157 LF 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	73.99	16.77
26 05 13 16-0158 Underground Residential Distribution (URD), 15 KV Primary Concentric UD Cable (26 05 13 16-0085) Note: 0.175" cross-linked polyethylene (XLPE) insulation, copper conductor.		
26 05 13 16-0159 MLF #4 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	4,491.88	1,032.49
26 05 13 16-0160 MLF #2 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	5,401.55	1,127.38
26 05 13 16-0161 MLF #1 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	6,510.67	1,273.76
26 05 13 16-0162 MLF 1/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	8,512.92	1,565.07
26 05 13 16-0163 MLF 2/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	9,712.65	1,761.91
26 05 13 16-0164 MLF 3/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	12,122.69	1,961.55
26 05 13 16-0165 MLF 4/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	13,628.28	2,195.77
26 05 13 16-0166 15 KV, Underground Residential Distribution (URD), Copper Cable, Direct Burial (26 05 13 16-0085)		
26 05 13 16-0167 MLF 3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial.....	23,371.66	
26 05 13 16-0168 Wire Connections (26 05 13 16-0001)		
26 05 13 16-0169 Medium Voltage Up To 5 KV (26 05 13 16-0168)		
26 05 13 16-0170 Shielded One Conductor Cable Splice (26 05 13 16-0169)		
26 05 13 16-0171 EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	505.09	134.31
26 05 13 16-0172 EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	742.37	134.31
26 05 13 16-0173 EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	742.37	134.31
26 05 13 16-0174 EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	782.34	161.17
26 05 13 16-0175 EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	782.34	161.17
26 05 13 16-0176 EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	782.34	161.17
26 05 13 16-0177 EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	835.64	188.03
26 05 13 16-0178 EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	835.64	188.03
26 05 13 16-0179 EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	835.64	188.03
26 05 13 16-0180 Cable Termination Without Stress Cone (26 05 13 16-0169)		
26 05 13 16-0181 EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV.....	823.42	161.17
26 05 13 16-0182 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV.....	947.46	188.03
26 05 13 16-0183 Cable Termination With Stress Cone (26 05 13 16-0169)		
26 05 13 16-0184 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV.....	2,678.72	322.33
26 05 13 16-0185 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV.....	3,670.72	443.22
26 05 13 16-0186 Connect To Pothead, Pothead Included (26 05 13 16-0169)		
26 05 13 16-0187 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV.....	2,822.04	322.33
26 05 13 16-0188 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV.....	3,664.85	369.35
26 05 13 16-0189 Two Conductor Pothead (26 05 13 16-0169) Note: Includes 5 KV pothead.		
26 05 13 16-0190 EA #6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	1,758.71	443.22
26 05 13 16-0191 EA 250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	2,414.23	564.09
26 05 13 16-0192 EA 400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	3,994.98	639.57
26 05 13 16-0193 EA 750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	6,924.02	746.21
26 05 13 16-0194 EA 1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	13,101.89	1,119.18



Electrical		26
Common Work Results for Electrical		26 05
Medium-Voltage Cables		26 05 13

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0195 Three Conductor Pothead (26 05 13 16-0169) Note: Includes 5 KV pothead.		
26 05 13 16-0196 EA #6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	8,842.95	644.68
26 05 13 16-0197 EA 250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	9,616.38	752.12
26 05 13 16-0198 Copper Cable Splice, Crimp Compression Connection (26 05 13 16-0169) Note: For bare wire.		
26 05 13 16-0199 EA #6 AWG Crimp Compression Connection For Bare Copper Wire.....	90.68	
26 05 13 16-0200 EA #4 AWG Crimp Compression Connection For Bare Copper Wire.....	101.13	
26 05 13 16-0201 EA #3 AWG Crimp Compression Connection For Bare Copper Wire.....	117.86	
26 05 13 16-0202 EA #2 AWG Crimp Compression Connection For Bare Copper Wire.....	132.56	
26 05 13 16-0203 EA #1 AWG Crimp Compression Connection For Bare Copper Wire.....	150.10	
26 05 13 16-0204 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	166.53	
26 05 13 16-0205 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	182.49	
26 05 13 16-0206 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	200.36	
26 05 13 16-0207 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	217.07	
26 05 13 16-0208 EA 250 MCM Crimp Compression Connection For Bare Copper Wire.....	234.66	
26 05 13 16-0209 EA 300 MCM Crimp Compression Connection For Bare Copper Wire.....	253.35	
26 05 13 16-0210 EA 350 MCM Crimp Compression Connection For Bare Copper Wire.....	269.39	
26 05 13 16-0211 EA 400 MCM Crimp Compression Connection For Bare Copper Wire.....	306.09	
26 05 13 16-0212 EA 500 MCM Crimp Compression Connection For Bare Copper Wire.....	345.41	
26 05 13 16-0213 Aluminum Cable Splice, Crimp Compression Connection (26 05 13 16-0169) Note: For bare wire.		
26 05 13 16-0214 EA #6 AWG Crimp Compression Connection For Bare Aluminum Wire	95.79	
26 05 13 16-0215 EA #4 AWG Crimp Compression Connection For Bare Aluminum Wire	103.96	
26 05 13 16-0216 EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire	141.89	
26 05 13 16-0217 EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire	173.82	
26 05 13 16-0218 EA 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	188.92	
26 05 13 16-0219 EA 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	203.86	
26 05 13 16-0220 EA 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	225.18	
26 05 13 16-0221 EA 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	243.32	
26 05 13 16-0222 EA 250 MCM Crimp Compression Connection For Bare Aluminum Wire	260.29	
26 05 13 16-0223 EA 300 MCM Crimp Compression Connection For Bare Aluminum Wire	278.41	
26 05 13 16-0224 EA 350 MCM Crimp Compression Connection For Bare Aluminum Wire	295.69	
26 05 13 16-0225 EA 400 MCM Crimp Compression Connection For Bare Aluminum Wire	343.77	
26 05 13 16-0226 EA 500 MCM Crimp Compression Connection For Bare Aluminum Wire	392.41	
26 05 13 16-0227 15 KV (26 05 13 16-0168)		
26 05 13 16-0228 Single Conductor Pothead On Racks (26 05 13 16-0227) Note: Includes pothead.		
26 05 13 16-0229 EA #2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	2,114.83	564.09
26 05 13 16-0230 EA 250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,718.71	698.40
26 05 13 16-0231 Two Conductor Pothead On Rack (26 05 13 16-0227) Note: Includes pothead.		
26 05 13 16-0232 EA #2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	3,064.65	859.57
26 05 13 16-0233 EA 250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	3,710.45	1,020.73
26 05 13 16-0234 Three Conductor Pothead On Rack (26 05 13 16-0227) Note: Includes pothead.		
26 05 13 16-0235 EA #2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	3,884.92	1,114.75
26 05 13 16-0236 EA 250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	4,833.06	1,396.79
26 05 13 16-0237 Stress Relief Cone On Rack (26 05 13 16-0227)		
26 05 13 16-0238 EA #2 To 4/0 AWG Stress Relief Cone, On Rack	1,941.68	564.09
26 05 13 16-0239 EA 250 To 500 MCM Stress Relief Cone, On Rack	2,524.04	698.40
26 05 13 16-0240 Grounded, Shielded Cable Splice (26 05 13 16-0227)		
26 05 13 16-0241 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,295.26	416.35
26 05 13 16-0242 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,654.27	537.22
26 05 13 16-0243 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	9,496.66	1,477.37
26 05 13 16-0244 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	12,593.86	1,611.68
26 05 13 16-0245 Cable Termination (26 05 13 16-0227)		
26 05 13 16-0246 EA #2 To 3/0 AWG Cable Termination 15 KV	917.00	235.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		141.02
26 05 13 16-0247 EA 4/0 To 250 MCM Cable Termination 15 KV	1,151.19	302.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		181.31
26 05 13 16-0248 EA 350 To 500 MCM Cable Termination 15 KV	1,434.61	369.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		221.61

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0249 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	605.75 80.59	134.31
26 05 13 16-0250 Stress Cones, 5-15 KV, 4 Skirted (26 05 13 16-0227)		
26 05 13 16-0251 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	1,346.17	174.60
26 05 13 16-0252 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	1,542.02	192.98
26 05 13 16-0253 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,856.54	211.18
26 05 13 16-0254 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	2,427.51	243.31
26 05 13 16-0255 Stress Cones, 5-15 KV, 6 Skirted (26 05 13 16-0227)		
26 05 13 16-0256 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	2,692.39	349.79
26 05 13 16-0257 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	3,084.47	385.94
26 05 13 16-0258 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	3,697.41	414.53
26 05 13 16-0259 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	4,855.01	486.62
26 05 13 16-0260 35 KV (26 05 13 16-0168)		
26 05 13 16-0261 35 KV One Conductor Splice (26 05 13 16-0260)		
26 05 13 16-0262 EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing.....	3,251.03	
26 05 13 16-0263 Cable Termination (26 05 13 16-0260)		
26 05 13 16-0264 EA #2 To 3/0 AWG Cable Termination, 35 KV.....	861.89	161.30
26 05 13 16-0265 EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination.....	1,146.52	243.37
26 05 13 16-0266 EA 350 To 500 MCM Cable Termination 35 KV.....	1,360.41	260.29
26 05 13 16-0267 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV.....	675.46	134.31
26 05 13 16-0268 70 KV (26 05 13 16-0168)		
26 05 13 16-0269 Cable Splice (26 05 13 16-0268)		
26 05 13 16-0270 EA 350 MCM, 70 KV, Cable Splicing.....	22,808.62	
26 05 13 16-0271 EA #2 To 4/0, 70 KV, Cable Splicing.....	3,426.20	

26 05 19 Low-Voltage Electrical Power Conductors and Cables (26 05)**26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables** (26 05 19)**26 05 19 16-0001 Cable Installation Methods** (26 05 19 16)**26 05 19 16-0002 Pull Cord** (26 05 19 16-0001)

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit.
Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.42	
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits.....	0.22	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.73	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.46	

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand (26 05 19 16-0001)

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand.....	3.51	
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand.....	4.46	
26 05 19 16-0010 EA Minimum Set-up Charge For Boring.....	490.46	

Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.

26 05 19 16-0011 Wire and Cable (26 05 19 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.

26 05 19 16-0012 600 Volt Wire (26 05 19 16-0011)**26 05 19 16-0013 Single Solid Conductor, Copper** (26 05 19 16-0012)

26 05 19 16-0014 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	751.99	297.82
26 05 19 16-0015 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	944.17	350.34
26 05 19 16-0016 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,172.90	428.38
26 05 19 16-0017 MLF #14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	958.24	297.82
26 05 19 16-0018 MLF #12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,159.38	350.34
26 05 19 16-0019 MLF #10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,392.78	428.38

26 05 19 16-0020 Power Cable, Stranded Conductor, Copper (26 05 19 16-0012)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0021 Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Single Stranded Conductor, Power Cable (26 05 19 16-0020)		
26 05 19 16-0022 MLF #16 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	787.95	245.42
26 05 19 16-0023 MLF #14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	929.09	294.51
26 05 19 16-0024 MLF #12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,148.07	343.59
26 05 19 16-0025 MLF #10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,419.59	392.68
26 05 19 16-0026 MLF #8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,899.70	490.85
26 05 19 16-0027 MLF #6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,584.57	589.01
26 05 19 16-0028 MLF #4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,555.50	736.27
26 05 19 16-0029 MLF #3 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,215.75	834.44
26 05 19 16-0030 MLF #2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,005.35	932.61
26 05 19 16-0031 MLF #1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,235.76	1,030.78
26 05 19 16-0032 MLF 1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,495.96	1,178.03
26 05 19 16-0033 MLF 2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	9,000.59	1,325.29
26 05 19 16-0034 MLF 3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	10,801.32	1,472.54
26 05 19 16-0035 MLF 4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	12,979.28	1,619.80
26 05 19 16-0036 MLF 250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	13,742.56	1,767.05
26 05 19 16-0037 MLF 300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	16,339.67	1,914.30
26 05 19 16-0038 MLF 350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	17,425.93	2,061.56
26 05 19 16-0039 MLF 400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	19,515.94	2,208.81
26 05 19 16-0040 MLF 500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	22,648.07	2,356.07
26 05 19 16-0041 MLF 600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	26,122.20	2,552.41
26 05 19 16-0042 MLF 750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	39,961.85	2,846.91
26 05 19 16-0043 MLF 1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	56,533.15	3,337.76
26 05 19 16-0044 Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Multi Stranded Conductor, Power Cable (26 05 19 16-0020)		
26 05 19 16-0045 MLF 2 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,858.18	588.89
26 05 19 16-0046 MLF 3 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,296.42	687.31
26 05 19 16-0047 MLF 4 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,857.53	834.44
26 05 19 16-0048 MLF 6 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,426.13	907.70
26 05 19 16-0049 MLF 7 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,742.37	957.03
26 05 19 16-0050 MLF 9 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,373.01	1,055.07
26 05 19 16-0051 MLF 10 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,942.04	1,099.74
26 05 19 16-0052 MLF 12 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,320.36	1,202.58
26 05 19 16-0053 MLF 14 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,890.55	1,276.45
26 05 19 16-0054 MLF 24 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,677.56	1,619.92
26 05 19 16-0055 MLF 37 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	13,147.41	2,405.15
26 05 19 16-0056 MLF 2 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,296.44	687.31
26 05 19 16-0057 MLF 3 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,953.52	834.44
26 05 19 16-0058 MLF 4 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,610.60	981.69
26 05 19 16-0059 MLF 2 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,083.68	883.16
26 05 19 16-0060 MLF 3 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,011.05	1,078.89

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0061 MLF 4 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,188.13	1,374.62
26 05 19 16-0062 MLF 6 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,046.56	1,767.67
26 05 19 16-0063 MLF 9 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,586.12	2,258.02
26 05 19 16-0064 MLF 2 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,860.76	1,006.24
26 05 19 16-0065 MLF 3 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,962.83	1,178.03
26 05 19 16-0066 MLF 4 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,433.04	1,497.09
26 05 19 16-0067 MLF 2 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,046.55	1,128.95
26 05 19 16-0068 MLF 3 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,833.37	1,398.91
26 05 19 16-0069 MLF 4 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,761.43	1,725.33
26 05 19 16-0070 MLF 2 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,853.83	1,369.71
26 05 19 16-0071 MLF 3 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,061.18	1,566.67
26 05 19 16-0072 MLF 4 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,746.82	1,955.05
26 05 19 16-0073 MLF 2 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,518.59	1,668.39
26 05 19 16-0074 MLF 3 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	12,685.73	1,865.71
26 05 19 16-0075 MLF 4 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,830.90	2,454.23
26 05 19 16-0076 MLF 3 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,865.63	2,355.70
26 05 19 16-0077 MLF 4 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	21,994.85	2,943.86
26 05 19 16-0078 MLF 3 Conductors, 1/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	20,034.74	2,552.90
26 05 19 16-0079 MLF 3 Conductors, 2/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	24,421.69	2,943.86
26 05 19 16-0080 MLF 3 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	29,946.02	3,434.46
26 05 19 16-0081 MLF 4 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	39,519.16	4,415.79
26 05 19 16-0082 MLF 3 Conductors, 4/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	36,614.76	3,930.09
26 05 19 16-0083 MLF 3 Conductors, 250 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	39,014.10	4,415.79
26 05 19 16-0084 MLF 3 Conductors, 350 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	49,087.24	4,908.48
26 05 19 16-0085 MLF 3 Conductors, 500 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	63,760.36	5,394.65
26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper		
(26 05 19 16-0012) Note: Direct bury.		
26 05 19 16-0087 MLF #14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,123.02	
26 05 19 16-0088 MLF #12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,322.58	
26 05 19 16-0089 MLF #10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,669.28	
26 05 19 16-0090 MLF #8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,203.98	
26 05 19 16-0091 MLF #6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,113.90	
26 05 19 16-0092 MLF #4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,113.55	
26 05 19 16-0093 MLF #2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,984.21	
26 05 19 16-0094 MLF #1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,480.26	
26 05 19 16-0095 MLF 1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,199.34	
26 05 19 16-0096 MLF 2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,174.94	
26 05 19 16-0097 MLF 3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,505.56	
26 05 19 16-0098 MLF 4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,268.64	
26 05 19 16-0099 MLF 250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,531.09	
26 05 19 16-0100 MLF 300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,846.30	
26 05 19 16-0101 MLF 350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,210.63	
26 05 19 16-0102 MLF 400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	24,982.93	
26 05 19 16-0103 MLF 500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	29,660.83	
26 05 19 16-0104 MLF 600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	35,080.57	
26 05 19 16-0105 MLF 750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	56,108.31	
26 05 19 16-0106 MLF #14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	921.28	
26 05 19 16-0107 MLF #12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,106.62	
26 05 19 16-0108 MLF #10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,329.10	
26 05 19 16-0109 MLF #8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,628.27	
26 05 19 16-0110 MLF #6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,103.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0111 MLF #4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,807.60	
26 05 19 16-0112 MLF #2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,826.68	
26 05 19 16-0113 MLF #1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,543.65	
26 05 19 16-0114 MLF 1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,140.76	
26 05 19 16-0115 MLF 2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,794.48	
26 05 19 16-0116 MLF 3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,748.42	
26 05 19 16-0117 MLF 4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,908.51	
26 05 19 16-0118 MLF 250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,985.98	
26 05 19 16-0119 MLF 300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,124.25	
26 05 19 16-0120 MLF 350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,362.50	
26 05 19 16-0121 MLF 400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,644.24	
26 05 19 16-0122 MLF 500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,774.40	
26 05 19 16-0123 MLF 750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	24,948.54	
26 05 19 16-0124 MLF #14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	784.35	
26 05 19 16-0125 MLF #12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	980.63	
26 05 19 16-0126 MLF #10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,226.06	
26 05 19 16-0127 MLF #8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,743.37	
26 05 19 16-0128 MLF #6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,406.29	
26 05 19 16-0129 MLF #4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,223.44	
26 05 19 16-0130 MLF #2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,648.41	
26 05 19 16-0131 MLF #1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,571.91	
26 05 19 16-0132 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,485.00	
26 05 19 16-0133 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,387.16	
26 05 19 16-0134 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,833.42	
26 05 19 16-0135 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,580.89	
26 05 19 16-0136 MLF 250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,478.24	
26 05 19 16-0137 MLF 300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,458.65	
26 05 19 16-0138 MLF 350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,593.57	
26 05 19 16-0139 MLF 400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,650.55	
26 05 19 16-0140 MLF 500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,276.61	
26 05 19 16-0141 MLF 600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	26,888.77	
26 05 19 16-0142 MLF 750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	43,143.70	
26 05 19 16-0143 MLF #2 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,946.46	
26 05 19 16-0144 MLF 1/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,037.40	
26 05 19 16-0145 MLF 2/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,137.37	
26 05 19 16-0146 MLF 3/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,663.39	
26 05 19 16-0147 MLF 4/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,080.64	
26 05 19 16-0148 MLF 250 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,165.68	
26 05 19 16-0149 MLF 350 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,934.51	
26 05 19 16-0150 MLF 400 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	23,858.72	
26 05 19 16-0151 MLF 500 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	27,276.01	
26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0012)		
26 05 19 16-0153 ACTHH, Solid (26 05 19 16-0152)		
26 05 19 16-0154 MLF 1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable.....	2,911.69	805.84
26 05 19 16-0155 MLF 1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	3,359.71	913.28

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0156 MLF 1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	3,851.99	967.01
26 05 19 16-0157 MLF 2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	4,181.42	1,343.07
26 05 19 16-0158 MLF 2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	4,473.74	1,503.96
26 05 19 16-0159 MLF 2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	5,687.14	1,666.35
26 05 19 16-0160 MLF 2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	7,467.44	1,827.25
26 05 19 16-0161 MLF 3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	5,067.88	1,503.96
26 05 19 16-0162 MLF 3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	5,300.42	1,666.35
26 05 19 16-0163 MLF 3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	6,802.13	1,881.10
26 05 19 16-0164 MLF 3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	8,875.10	2,041.20
26 05 19 16-0165 MLF 4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	6,055.38	1,666.35
26 05 19 16-0166 MLF 4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	6,630.07	1,881.10
26 05 19 16-0167 MLF 4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	8,465.47	2,095.33
26 05 19 16-0168 MLF 4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	11,026.14	2,257.30
26 05 19 16-0169 ACTHH, Stranded (26 05 19 16-0152)		
26 05 19 16-0170 MLF 2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	7,737.32	1,935.23
26 05 19 16-0171 MLF 2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	9,453.33	2,201.69
26 05 19 16-0172 MLF 3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	9,144.53	2,148.91
26 05 19 16-0173 MLF 3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	11,501.16	2,415.65
26 05 19 16-0174 MLF 3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	14,598.27	2,686.14
26 05 19 16-0175 MLF 3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	16,799.78	2,951.80
26 05 19 16-0176 MLF 3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	19,270.05	3,220.81
26 05 19 16-0177 MLF 4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	11,827.67	2,577.89
26 05 19 16-0178 MLF 4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	14,353.01	2,845.42
26 05 19 16-0179 MLF 4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	18,530.07	3,116.19
26 05 19 16-0180 MLF 4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	20,311.26	3,383.06
26 05 19 16-0181 MLF 4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	24,143.22	3,649.65
26 05 19 16-0182 HCFC, Solid (26 05 19 16-0152)		
26 05 19 16-0183 MLF 2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	4,698.84	1,343.07
26 05 19 16-0184 MLF 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	5,140.21	1,509.07
26 05 19 16-0185 MLF 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	5,748.90	1,658.15
26 05 19 16-0186 MLF 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	5,710.41	1,509.07
26 05 19 16-0187 MLF 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	6,122.01	1,658.15
26 05 19 16-0188 MLF 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	8,040.15	1,891.71
26 05 19 16-0189 MLF 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	7,039.86	1,658.15
26 05 19 16-0190 MLF 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	7,682.21	1,891.71
26 05 19 16-0191 MLF 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	10,560.55	2,098.54
26 05 19 16-0192 MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0152)		
26 05 19 16-0193 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,337.85	1,343.07
26 05 19 16-0194 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,838.73	1,509.07
26 05 19 16-0195 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,927.88	1,658.15
26 05 19 16-0196 MLF 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,830.20	1,771.91
26 05 19 16-0197 MLF 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	9,983.76	1,878.41
26 05 19 16-0198 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,040.36	1,509.07
26 05 19 16-0199 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,718.78	1,658.15
26 05 19 16-0200 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,421.33	1,891.71
26 05 19 16-0201 MLF 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	9,943.60	2,041.20
26 05 19 16-0202 MLF 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	11,761.83	2,201.69
26 05 19 16-0203 MLF 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	14,814.00	2,364.60
26 05 19 16-0204 MLF 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	21,029.35	2,524.56
26 05 19 16-0205 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,909.59	1,658.15
26 05 19 16-0206 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,775.73	1,891.71
26 05 19 16-0207 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	10,788.44	2,098.54
26 05 19 16-0208 MLF 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	15,020.78	2,311.69
26 05 19 16-0209 MLF 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	18,614.05	2,473.39
26 05 19 16-0210 MLF 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	25,022.16	2,633.49
26 05 19 16-0211 MLF 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	32,771.35	2,792.24
26 05 19 16-0212 FPLP Solid TFN Red Armored Cable (26 05 19 16-0152)		
Note: Color coded red.		
26 05 19 16-0213 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,303.53	1,020.73
26 05 19 16-0214 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,883.93	1,181.90
26 05 19 16-0215 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	6,071.34	1,343.07
26 05 19 16-0216 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	6,968.89	1,504.24
26 05 19 16-0217 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,895.48	1,181.90
26 05 19 16-0218 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	5,794.09	1,343.07
26 05 19 16-0219 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	7,301.80	1,504.24
26 05 19 16-0220 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	8,312.78	1,665.41
26 05 19 16-0221 FPLP Solid THHN Red Armored Cable (26 05 19 16-0152)		
Note: Color coded red.		
26 05 19 16-0222 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,433.88	1,343.07
26 05 19 16-0223 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	6,770.41	1,504.24
26 05 19 16-0224 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	9,055.26	1,665.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0225 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	10,513.60	1,826.57
26 05 19 16-0226 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	6,881.73	1,504.24
26 05 19 16-0227 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	8,445.10	1,665.41
26 05 19 16-0228 FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0152)		
Note: Color coded red.		
26 05 19 16-0229 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,681.59	1,020.73
26 05 19 16-0230 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	7,520.23	1,504.24
26 05 19 16-0231 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,768.18	1,181.90
26 05 19 16-0232 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,821.16	1,343.07
26 05 19 16-0233 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,514.19	1,665.41
26 05 19 16-0234 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,754.89	1,396.79
26 05 19 16-0235 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,361.20	1,611.68
26 05 19 16-0236 Armored Cable Connectors (26 05 19 16-0152)		
26 05 19 16-0237 EA 3/4" Armored Cable Connector.....	8.15	2.95
For Work In Restricted Working Space, Add	2.21	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.47	
For Elevated Installation >20' To 25', Add	1.84	
For Elevated Installation >25' To 30', Add	2.58	
For Elevated Installation >30' To 35', Add	2.95	
For Elevated Installation >35' To 40', Add	3.69	
For Elevated Installation >40', Add	4.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.21	
26 05 19 16-0238 EA 1" Armored Cable Connector.....	10.87	3.93
For Work In Restricted Working Space, Add	2.94	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.96	
For Elevated Installation >20' To 25', Add	2.45	
For Elevated Installation >25' To 30', Add	3.43	
For Elevated Installation >30' To 35', Add	3.92	
For Elevated Installation >35' To 40', Add	4.91	
For Elevated Installation >40', Add	5.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.94	
26 05 19 16-0239 EA 1-1/4" Armored Cable Connector.....	13.66	4.91
For Work In Restricted Working Space, Add	3.68	
For Elevated Installation >10' To 15', Add	1.23	
For Elevated Installation >15' To 20', Add	2.45	
For Elevated Installation >20' To 25', Add	3.07	
For Elevated Installation >25' To 30', Add	4.29	
For Elevated Installation >30' To 35', Add	4.91	
For Elevated Installation >35' To 40', Add	6.14	
For Elevated Installation >40', Add	6.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 19 16-0240 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0012)		
26 05 19 16-0241 MLF #12 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,004.69	297.94
26 05 19 16-0242 MLF #10 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,262.23	350.34
26 05 19 16-0243 MLF #8 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,806.31	476.49
26 05 19 16-0244 MLF #6 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,510.33	570.37
26 05 19 16-0245 MLF #4 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,383.75	664.98
26 05 19 16-0246 MLF #2 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,900.72	856.65
26 05 19 16-0247 MLF #1 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,891.01	953.11
26 05 19 16-0248 MLF 1/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,857.73	1,073.85
26 05 19 16-0249 MLF 2/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,824.61	1,191.28
26 05 19 16-0250 MLF 3/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,389.09	1,337.68
26 05 19 16-0251 MLF 4/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,272.40	1,475.73
26 05 19 16-0252 MLF 250 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,320.33	1,622.25
26 05 19 16-0253 MLF 300 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,459.50	1,773.19
26 05 19 16-0254 MLF 350 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	17,768.41	1,906.08
26 05 19 16-0255 MLF 400 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	19,991.72	2,117.88
26 05 19 16-0256 MLF 500 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	23,938.65	2,333.98
26 05 19 16-0257 MLF #14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,048.94	196.71
For Ethylene-Propylene Rubber (EPR) Insulation, Add	46.90	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	109.43	
26 05 19 16-0258 MLF #12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,177.72	217.81
For Ethylene-Propylene Rubber (EPR) Insulation, Add	47.81	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	111.56	
26 05 19 16-0259 MLF #10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,447.04	272.29
For Ethylene-Propylene Rubber (EPR) Insulation, Add	69.80	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	162.87	
26 05 19 16-0260 MLF #8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,992.15	433.17
For Ethylene-Propylene Rubber (EPR) Insulation, Add	114.75	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	267.76	
26 05 19 16-0261 MLF #6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,758.09	519.80
For Ethylene-Propylene Rubber (EPR) Insulation, Add	192.83	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	449.94	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0262 MLF #4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,785.55	603.50
For Ethylene-Propylene Rubber (EPR) Insulation, Add	291.73	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	680.71	
26 05 19 16-0263 MLF #3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,321.24	690.75
For Ethylene-Propylene Rubber (EPR) Insulation, Add	335.27	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	782.30	
26 05 19 16-0264 MLF #2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,490.26	778.00
For Ethylene-Propylene Rubber (EPR) Insulation, Add	473.81	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,105.56	
26 05 19 16-0265 MLF #1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,844.92	866.47
For Ethylene-Propylene Rubber (EPR) Insulation, Add	640.20	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,493.79	
26 05 19 16-0266 MLF 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,275.50	977.52
For Ethylene-Propylene Rubber (EPR) Insulation, Add	799.56	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,865.65	
26 05 19 16-0267 MLF 2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,013.66	1,084.04
For Ethylene-Propylene Rubber (EPR) Insulation, Add	1,005.07	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,345.16	
26 05 19 16-0268 MLF 3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	12,054.37	1,210.19
For Ethylene-Propylene Rubber (EPR) Insulation, Add	1,255.95	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,930.56	
26 05 19 16-0269 MLF 4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,611.45	1,345.54
For Ethylene-Propylene Rubber (EPR) Insulation, Add	1,434.29	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,346.69	
26 05 19 16-0270 MLF 250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	14,480.48	1,475.73
For Ethylene-Propylene Rubber (EPR) Insulation, Add	1,509.43	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,522.00	
26 05 19 16-0271 MLF 300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	17,146.33	1,622.25
For Ethylene-Propylene Rubber (EPR) Insulation, Add	1,854.09	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,326.20	
26 05 19 16-0272 MLF 350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	19,152.79	1,719.81
For Ethylene-Propylene Rubber (EPR) Insulation, Add	2,099.83	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,899.61	
26 05 19 16-0273 MLF 400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	21,494.05	1,922.16
For Ethylene-Propylene Rubber (EPR) Insulation, Add	2,395.80	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	5,590.21	
26 05 19 16-0274 MLF 500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	24,618.91	2,137.77
For Ethylene-Propylene Rubber (EPR) Insulation, Add	2,809.31	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	6,555.06	
26 05 19 16-0275 MLF 600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	28,896.54	2,224.15
For Ethylene-Propylene Rubber (EPR) Insulation, Add	3,377.33	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	7,880.43	
26 05 19 16-0276 MLF 750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	47,325.29	2,310.41
For Ethylene-Propylene Rubber (EPR) Insulation, Add	6,031.20	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	14,072.80	
26 05 19 16-0277 MLF 1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	59,776.58	2,468.72
For Ethylene-Propylene Rubber (EPR) Insulation, Add	7,825.27	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	18,258.96	
26 05 19 16-0278 MLF #16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,870.28	441.51
26 05 19 16-0279 MLF #14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,364.76	490.85
26 05 19 16-0280 MLF #12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,979.40	589.50
26 05 19 16-0281 MLF #10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,536.96	686.94
26 05 19 16-0282 MLF #8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,390.80	735.54
26 05 19 16-0283 MLF #18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	597.92	245.42
26 05 19 16-0284 MLF #16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	745.34	269.97
26 05 19 16-0285 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	776.22	196.83
26 05 19 16-0286 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	968.99	234.63
26 05 19 16-0287 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,208.61	295.12
26 05 19 16-0288 MLF #8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,712.94	388.99
26 05 19 16-0289 MLF #6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,355.99	469.74
26 05 19 16-0290 MLF #4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,145.91	555.14
26 05 19 16-0291 MLF #3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,771.01	628.40
26 05 19 16-0292 MLF #2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,526.40	703.76
26 05 19 16-0293 MLF #1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,417.60	794.19
26 05 19 16-0294 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,304.74	869.66
26 05 19 16-0295 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,175.63	961.08
26 05 19 16-0296 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,564.71	1,016.54
26 05 19 16-0297 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,246.50	1,143.67
26 05 19 16-0298 MLF 250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,071.02	1,216.68
26 05 19 16-0299 MLF 300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,974.66	1,377.93
26 05 19 16-0300 MLF 350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,025.47	1,524.94
26 05 19 16-0301 MLF 400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,002.03	1,566.67
26 05 19 16-0302 MLF 500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	21,472.93	1,657.46
26 05 19 16-0303 MLF 600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	26,766.06	1,950.51
26 05 19 16-0304 MLF 750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	41,404.76	2,310.41
26 05 19 16-0305 MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	49,661.98	2,789.48
26 05 19 16-0306 MLF #16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,042.65	589.50
26 05 19 16-0307 MLF #14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,382.03	686.94
26 05 19 16-0308 MLF #12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,918.85	785.97
26 05 19 16-0309 MLF #10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,091.12	883.16
26 05 19 16-0310 MLF #8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,768.91	981.69
26 05 19 16-0311 MLF #6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,355.48	1,078.89



Electrical		26
Common Work Results for Electrical		26 05
Low-Voltage Electrical Power Conductors and Cables		26 05 19

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0312 Non-Metallic Sheathed Cable (26 05 19 16-0012)		
26 05 19 16-0313 Indoor Installation (26 05 19 16-0312)		
Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0314 MLF #14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	3,724.63 349.68	932.49
26 05 19 16-0315 MLF #14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	4,732.91 423.37	1,128.95
26 05 19 16-0316 MLF #14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	7,578.46 468.45	1,249.21
26 05 19 16-0317 MLF #12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	4,920.96 377.34	1,060.23
26 05 19 16-0318 MLF #12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	7,490.17 441.69	1,177.78
26 05 19 16-0319 MLF #12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	10,318.74 493.30	1,315.47
26 05 19 16-0320 MLF #10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	6,264.78 441.91	1,178.40
26 05 19 16-0321 MLF #10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	10,767.82 515.48	1,374.62
26 05 19 16-0322 MLF #10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	12,832.83 589.02	1,570.72
26 05 19 16-0323 MLF #8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	13,113.37 502.50	1,411.19
26 05 19 16-0324 MLF #8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	16,887.71 607.42	1,705.70
26 05 19 16-0325 MLF #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	17,545.11 570.61	1,607.53
26 05 19 16-0326 MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	23,717.37 690.25	1,938.85
26 05 19 16-0327 MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	58,227.92 759.28	2,135.18
26 05 19 16-0328 MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable For Installation In Wood Stud Wall (Includes Drilling), Add	68,164.07 828.30	2,319.25
26 05 19 16-0329 Direct Burial Cable (26 05 19 16-0312)		
Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0330 MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,750.63	
26 05 19 16-0331 MLF #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,575.77	
26 05 19 16-0332 MLF #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,482.64	
26 05 19 16-0333 MLF #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,427.75	
26 05 19 16-0334 MLF #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,768.41	
26 05 19 16-0335 MLF #10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,352.92	
26 05 19 16-0336 MLF #8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	5,732.65	
26 05 19 16-0337 MLF #8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	7,311.83	
26 05 19 16-0338 MLF #6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	7,200.23	
26 05 19 16-0339 MLF #6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	9,423.64	
26 05 19 16-0340 SEU Cable Copper, 3 Conductor (26 05 19 16-0312)		
26 05 19 16-0341 MLF 12-12-12 Cable SEU Copper	3,697.98	1,182.30
26 05 19 16-0342 MLF 10-10-10 Cable SEU Copper	4,684.63	1,343.07
26 05 19 16-0343 MLF 8-8-8 Cable SEU Copper	5,881.02	1,503.96
26 05 19 16-0344 MLF 6-6-8 Cable SEU Copper	7,166.13	1,612.35
26 05 19 16-0345 MLF 6-6-6 Cable SEU Copper	7,730.13	1,666.35
26 05 19 16-0346 MLF 4-4-6 Cable SEU Copper	9,487.63	1,827.25
26 05 19 16-0347 MLF 4-4-4 Cable SEU Copper	10,250.88	1,881.10
26 05 19 16-0348 MLF 3-3-5 Cable SEU Copper	11,982.93	2,041.20
26 05 19 16-0349 MLF 3-3-3 Cable SEU Copper	12,734.05	2,148.91
26 05 19 16-0350 MLF 2-2-4 Cable SEU Copper	13,615.71	2,257.30
26 05 19 16-0351 MLF 2-2-2 Cable SEU Copper	14,572.81	2,364.60
26 05 19 16-0352 MLF 1-1-1 Cable SEU Copper	17,905.25	2,686.14
26 05 19 16-0353 MLF 1/0-1/0-1/0 Cable SEU Copper	21,368.88	3,011.43
26 05 19 16-0354 MLF 2/0-2/0-2/0 Cable SEU Copper	25,808.81	3,391.66
26 05 19 16-0355 MLF 3/0-3/0-3/0 Cable SEU Copper	31,151.68	3,772.68
26 05 19 16-0356 MLF 4/0-4/0-4/0 Cable SEU Copper	34,815.64	4,210.25
26 05 19 16-0357 SER Cable Copper, 4 Conductor (26 05 19 16-0312)		
26 05 19 16-0358 MLF 6-6-6-6 Cable SER Copper	11,566.29	1,935.23
26 05 19 16-0359 MLF 4-4-4-6 Cable SER Copper	12,684.74	2,095.33
26 05 19 16-0360 MLF 3-3-3-5 Cable SER Copper	15,733.73	2,364.60
26 05 19 16-0361 MLF 2-2-2-4 Cable SER Copper	18,020.26	2,577.89
26 05 19 16-0362 MLF 1-1-1-3 Cable SER Copper	21,006.52	2,951.80
26 05 19 16-0363 MLF 1/0-1/0-1/0-2 Cable SER Copper	25,598.05	3,383.06

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0364 MLF 2/0-2/0-2/0-1 Cable SER Copper.....	32,108.26	3,649.65
26 05 19 16-0365 MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	37,094.91	4,082.26
26 05 19 16-0366 Control Tray Cable, Low Voltage (26 05 19 16-0011)		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0367 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,290.35	595.28
For Work In Restricted Working Space, Add	297.64	
26 05 19 16-0368 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,493.23	665.89
For Work In Restricted Working Space, Add	332.94	
26 05 19 16-0369 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,571.34	665.84
For Work In Restricted Working Space, Add	332.94	
26 05 19 16-0370 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,967.05	835.16
For Work In Restricted Working Space, Add	417.58	
26 05 19 16-0371 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,484.32	1,017.71
For Work In Restricted Working Space, Add	508.85	
26 05 19 16-0372 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,845.08	1,119.13
For Work In Restricted Working Space, Add	559.57	
26 05 19 16-0373 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,397.42	1,271.61
For Work In Restricted Working Space, Add	635.81	
26 05 19 16-0374 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,308.75	1,554.27
For Work In Restricted Working Space, Add	777.14	
26 05 19 16-0375 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,941.98	1,695.63
For Work In Restricted Working Space, Add	847.82	
26 05 19 16-0376 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,910.78	1,748.64
For Work In Restricted Working Space, Add	874.32	
26 05 19 16-0377 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	7,240.76	2,184.51
For Work In Restricted Working Space, Add	1,092.26	
26 05 19 16-0378 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	8,699.89	2,553.02
For Work In Restricted Working Space, Add	1,276.51	
26 05 19 16-0379 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,417.05	627.06
For Work In Restricted Working Space, Add	313.28	
26 05 19 16-0380 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,647.50	700.93
For Work In Restricted Working Space, Add	350.47	
26 05 19 16-0381 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,921.83	806.95
For Work In Restricted Working Space, Add	403.48	
26 05 19 16-0382 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,184.10	879.11
For Work In Restricted Working Space, Add	439.55	
26 05 19 16-0383 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,770.64	1,071.28
For Work In Restricted Working Space, Add	535.64	
26 05 19 16-0384 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,188.21	1,178.03
For Work In Restricted Working Space, Add	589.02	
26 05 19 16-0385 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,828.49	1,338.54
For Work In Restricted Working Space, Add	669.27	
26 05 19 16-0386 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,874.53	1,636.00
For Work In Restricted Working Space, Add	818.00	
26 05 19 16-0387 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable.....	5,619.44	1,784.72
For Work In Restricted Working Space, Add	892.36	
26 05 19 16-0388 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable.....	6,813.25	1,840.67
For Work In Restricted Working Space, Add	920.34	
26 05 19 16-0389 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable.....	8,332.17	2,299.38
For Work In Restricted Working Space, Add	1,149.69	
26 05 19 16-0390 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable.....	10,035.04	2,687.39
For Work In Restricted Working Space, Add	1,343.69	
26 05 19 16-0391 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,543.55	654.54
For Work In Restricted Working Space, Add	327.27	
26 05 19 16-0392 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,857.28	736.27
For Work In Restricted Working Space, Add	368.14	
26 05 19 16-0393 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,183.64	841.56
For Work In Restricted Working Space, Add	420.78	
26 05 19 16-0394 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,469.14	906.35
For Work In Restricted Working Space, Add	453.18	
26 05 19 16-0395 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable.....	3,316.18	1,111.03
For Work In Restricted Working Space, Add	555.52	
26 05 19 16-0396 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable.....	3,838.46	1,227.12
For Work In Restricted Working Space, Add	613.68	
26 05 19 16-0397 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable.....	4,749.83	1,369.46
For Work In Restricted Working Space, Add	684.73	
26 05 19 16-0398 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable.....	5,673.33	1,635.74
For Work In Restricted Working Space, Add	818.00	
26 05 19 16-0399 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable.....	9,841.57	1,900.80
For Work In Restricted Working Space, Add	950.16	
26 05 19 16-0400 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable.....	8,568.44	2,222.31
For Work In Restricted Working Space, Add	1,111.40	
26 05 19 16-0401 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable.....	9,988.91	2,483.44
For Work In Restricted Working Space, Add	1,241.72	
26 05 19 16-0402 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable.....	12,060.18	2,902.38
For Work In Restricted Working Space, Add	1,451.19	
26 05 19 16-0403 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,816.13	700.93
For Work In Restricted Working Space, Add	350.47	
26 05 19 16-0404 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable.....	2,188.59	775.54
For Work In Restricted Working Space, Add	387.65	
26 05 19 16-0405 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable.....	2,676.58	892.36
For Work In Restricted Working Space, Add	446.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0406 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	3,047.44 474.89	949.79
26 05 19 16-0407 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	4,052.93 566.19	1,132.39
26 05 19 16-0408 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	5,017.81 669.27	1,338.54
26 05 19 16-0409 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	6,138.02 755.05	1,510.10
26 05 19 16-0410 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	7,325.16 866.22	1,732.45
26 05 19 16-0411 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	8,686.78 981.82	1,963.64
26 05 19 16-0412 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	11,191.59 1,147.48	2,294.96
26 05 19 16-0413 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	12,952.66 1,341.12	2,682.24
26 05 19 16-0414 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	15,698.25 1,567.52	3,135.05
26 05 19 16-0415 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	2,194.55 368.14	736.27
26 05 19 16-0416 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	2,773.88 403.48	807.44
26 05 19 16-0417 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	3,397.76 460.17	920.34
26 05 19 16-0418 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	3,971.60 499.19	998.38
26 05 19 16-0419 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	5,407.99 626.57	1,253.14
26 05 19 16-0420 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	6,438.14 701.30	1,402.60
26 05 19 16-0421 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	7,501.68 818.00	1,636.00
26 05 19 16-0422 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	8,887.19 935.43	1,870.86
26 05 19 16-0423 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	10,572.37 1,060.23	2,120.46
26 05 19 16-0424 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	13,707.14 1,239.14	2,478.29
26 05 19 16-0425 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	15,854.43 1,448.24	2,896.49
26 05 19 16-0426 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	19,258.64 1,693.05	3,386.11
26 05 19 16-0427 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0428 ACSR Cable (26 05 19 16-0427)		
26 05 19 16-0429 MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,952.31	603.77
26 05 19 16-0430 MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,088.32	626.93
26 05 19 16-0431 MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,281.73	651.06
26 05 19 16-0432 MLF #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,418.10	674.64
26 05 19 16-0433 MLF 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,746.49	697.52
26 05 19 16-0434 MLF 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,221.57	790.70
26 05 19 16-0435 MLF 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,758.12	881.80
26 05 19 16-0436 MLF 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,361.50	974.16
26 05 19 16-0437 MLF 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	5,000.77	1,251.90
26 05 19 16-0438 MLF 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	5,676.51	1,436.05
26 05 19 16-0439 All Aluminum Conductors (26 05 19 16-0427)		
26 05 19 16-0440 MLF 795.0 ACSR Conductor Aluminum	38,662.97	11,769.60
26 05 19 16-0441 Single Conductor Installed On Poles (26 05 19 16-0011)		
26 05 19 16-0442 Bare Stranded Conductor (26 05 19 16-0441)		
26 05 19 16-0443 MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,538.93	511.56
26 05 19 16-0444 MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,813.21	557.59
26 05 19 16-0445 MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,088.98	604.19
26 05 19 16-0446 MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,580.81	651.06
26 05 19 16-0447 MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	3,160.61	698.08
26 05 19 16-0448 MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,566.04	837.30
26 05 19 16-0449 MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	5,254.87	930.07
26 05 19 16-0450 MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	6,006.38	1,021.16
26 05 19 16-0451 MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,093.58	1,211.17
26 05 19 16-0452 MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	9,840.18	1,392.52
26 05 19 16-0453 MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	10,541.52	1,578.20
26 05 19 16-0454 MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	13,376.82	1,860.00
26 05 19 16-0455 MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	13,670.22	1,957.93
26 05 19 16-0456 MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	17,162.78	2,050.42
26 05 19 16-0457 MLF 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	18,998.33	2,134.54
26 05 19 16-0458 MLF 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	22,211.86	2,225.64

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0459 Insulated Stranded Conductor (26 05 19 16-0441)				
26 05 19 16-0460	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,673.92	511.56
26 05 19 16-0461	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,987.39	557.59
26 05 19 16-0462	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,432.83	604.19
26 05 19 16-0463	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,645.89	651.06
26 05 19 16-0464	MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,259.91	698.08
26 05 19 16-0465	MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,422.63	837.30
26 05 19 16-0466	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,240.56	930.07
26 05 19 16-0467	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	6,206.06	1,021.16
26 05 19 16-0468	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	7,480.41	1,211.17
26 05 19 16-0469	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	8,985.49	1,392.52
26 05 19 16-0470	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	10,608.20	1,578.20
26 05 19 16-0471	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	12,968.86	1,860.00
26 05 19 16-0472	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	14,750.07	1,957.93
26 05 19 16-0473	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	16,199.51	2,050.42
26 05 19 16-0474	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	18,199.65	2,134.54
26 05 19 16-0475	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	20,513.09	2,225.64
26 05 19 16-0476 Bare Solid Conductor (26 05 19 16-0441)				
26 05 19 16-0477	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,538.93	511.56
26 05 19 16-0478	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,088.98	604.19
26 05 19 16-0479	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,580.81	651.06
26 05 19 16-0480	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	3,119.58	698.08
26 05 19 16-0481 Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0011)				
26 05 19 16-0482 Multi-Conductor Cords (26 05 19 16-0481)				
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.				
26 05 19 16-0483 Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0482)				
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.				
26 05 19 16-0484 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0483)				
26 05 19 16-0485 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0484)				
26 05 19 16-0486	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.18	0.54
26 05 19 16-0487	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.22	0.54
26 05 19 16-0488	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.32	0.54
26 05 19 16-0489 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0484)				
26 05 19 16-0490	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.38	0.54
26 05 19 16-0491	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.44	0.54
26 05 19 16-0492	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.52	0.54
26 05 19 16-0493 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0484)				
26 05 19 16-0494	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.49	0.54
26 05 19 16-0495	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.59	0.54
26 05 19 16-0496	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.77	0.54
26 05 19 16-0497 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0484)				
26 05 19 16-0498	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.65	0.54
26 05 19 16-0499	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.76	0.54
26 05 19 16-0500	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.92	0.54
26 05 19 16-0501 #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0484)				
26 05 19 16-0502	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.04	0.67
26 05 19 16-0503	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.12	0.67
26 05 19 16-0504	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.24	0.67
26 05 19 16-0505 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0483)				
26 05 19 16-0506 #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0505)				
26 05 19 16-0507	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.22	0.54
26 05 19 16-0508	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.29	0.54
26 05 19 16-0509	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.38	0.54
26 05 19 16-0510	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.20	0.72
26 05 19 16-0511	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.36	0.74
26 05 19 16-0512	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.49	0.76
26 05 19 16-0513	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.70	0.78



Electrical		26
Common Work Results for Electrical		26 05
Low-Voltage Electrical Power Conductors and Cables		26 05 19

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0514 LF 10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.04	0.82
26 05 19 16-0515 LF 12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.41	0.84
26 05 19 16-0516 LF 14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.32	0.86
26 05 19 16-0517 LF 16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.40	0.88
26 05 19 16-0518 LF 18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.52	0.90
26 05 19 16-0519 LF 20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.97	0.92
26 05 19 16-0520 LF 24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.12	0.94
26 05 19 16-0521 LF 30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.40	1.01
26 05 19 16-0522 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0505)		
26 05 19 16-0523 LF 2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.44	0.54
26 05 19 16-0524 LF 3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.50	0.54
26 05 19 16-0525 LF 4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.61	0.54
26 05 19 16-0526 LF 5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.27	0.72
26 05 19 16-0527 LF 6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.46	0.74
26 05 19 16-0528 LF 7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.65	0.76
26 05 19 16-0529 LF 8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.90	0.78
26 05 19 16-0530 LF 9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.01	0.80
26 05 19 16-0531 LF 10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.29	0.82
26 05 19 16-0532 LF 12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.77	0.84
26 05 19 16-0533 LF 14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.01	0.86
26 05 19 16-0534 LF 16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.46	0.88
26 05 19 16-0535 LF 18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.08	0.90
26 05 19 16-0536 LF 20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.63	0.92
26 05 19 16-0537 LF 24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.69	0.94
26 05 19 16-0538 LF 26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.30	0.97
26 05 19 16-0539 LF 30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.42	1.01
26 05 19 16-0540 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0505)		
26 05 19 16-0541 LF 2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.60	0.54
26 05 19 16-0542 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.67	0.54
26 05 19 16-0543 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.84	0.54
26 05 19 16-0544 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.80	0.72
26 05 19 16-0545 LF 6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.26	0.74
26 05 19 16-0546 LF 7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.43	0.76
26 05 19 16-0547 LF 8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.81	0.78
26 05 19 16-0548 LF 9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.07	0.80
26 05 19 16-0549 LF 10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.49	0.82
26 05 19 16-0550 LF 12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.90	0.84
26 05 19 16-0551 LF 14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.36	0.86
26 05 19 16-0552 LF 16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.33	0.88
26 05 19 16-0553 LF 20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.06	0.92
26 05 19 16-0554 LF 24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.23	0.94
26 05 19 16-0555 LF 30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.66	1.01
26 05 19 16-0556 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0505)		
26 05 19 16-0557 LF 2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.77	0.54
26 05 19 16-0558 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.90	0.54
26 05 19 16-0559 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.02	0.54
26 05 19 16-0560 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.13	0.72
26 05 19 16-0561 LF 6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.56	0.74
26 05 19 16-0562 LF 7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.00	0.76
26 05 19 16-0563 LF 8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.48	0.78
26 05 19 16-0564 LF 9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.82	0.80

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0565 LF 10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.40	0.82
26 05 19 16-0566 LF 12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.09	0.84
26 05 19 16-0567 LF 14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.72	0.86
26 05 19 16-0568 LF 16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.35	0.88
26 05 19 16-0569 LF 18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.67	0.90
26 05 19 16-0570 LF 20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.76	0.92
26 05 19 16-0571 LF 24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.88	0.94
26 05 19 16-0572 LF 26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.00	0.97
26 05 19 16-0573 LF 28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.36	0.99
26 05 19 16-0574 LF 30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.77	1.01
26 05 19 16-0575 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0505)		
26 05 19 16-0576 LF 2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.01	0.67
26 05 19 16-0577 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.12	0.67
26 05 19 16-0578 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.23	0.67
26 05 19 16-0579 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.78	0.72
26 05 19 16-0580 LF 6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.24	0.74
26 05 19 16-0581 LF 7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.90	0.76
26 05 19 16-0582 LF 10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.21	0.82
26 05 19 16-0583 LF 12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.05	0.84
26 05 19 16-0584 LF 16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.85	0.88
26 05 19 16-0585 LF 20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.63	0.92
26 05 19 16-0586 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0505)		
26 05 19 16-0587 LF 3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.72	0.80
26 05 19 16-0588 LF 4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.01	0.94
26 05 19 16-0589 LF 5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.24	0.94
26 05 19 16-0590 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0505)		
26 05 19 16-0591 LF 3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.09	0.94
26 05 19 16-0592 LF 4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.12	1.07
26 05 19 16-0593 LF 5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.35	1.34
26 05 19 16-0594 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0505)		
26 05 19 16-0595 LF 3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.98	1.34
26 05 19 16-0596 LF 4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.71	1.47
26 05 19 16-0597 LF 5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.40	1.61
26 05 19 16-0598 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0505)		
26 05 19 16-0599 LF 3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.55	2.69
26 05 19 16-0600 LF 4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	15.92	3.36
26 05 19 16-0601 LF 5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	19.63	4.43
26 05 19 16-0602 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0483)		
26 05 19 16-0603 #18, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0602)		
26 05 19 16-0604 LF 2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.53	0.54
26 05 19 16-0605 LF 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.63	0.54
26 05 19 16-0606 LF 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.83	0.54
26 05 19 16-0607 #16, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0602)		
26 05 19 16-0608 LF 2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.59	0.54
26 05 19 16-0609 LF 3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.76	0.54



Electrical		26
Common Work Results for Electrical		26 05
Low-Voltage Electrical Power Conductors and Cables		26 05 19

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0610	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.84	0.54
26 05 19 16-0611		#14, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0602)		
26 05 19 16-0612	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.01	0.54
26 05 19 16-0613	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.70	0.54
26 05 19 16-0614	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.36	0.67
26 05 19 16-0615		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0483)		
26 05 19 16-0616		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0615)		
26 05 19 16-0617	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.96	0.54
26 05 19 16-0618	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.25	0.54
26 05 19 16-0619	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.55	0.54
26 05 19 16-0620		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0615)		
26 05 19 16-0621	LF	2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.06	0.54
26 05 19 16-0622	LF	3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.36	0.54
26 05 19 16-0623	LF	4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.82	0.54
26 05 19 16-0624	LF	5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.06	0.67
26 05 19 16-0625		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0615)		
26 05 19 16-0626	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.43	0.54
26 05 19 16-0627	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.81	0.54
26 05 19 16-0628	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.12	0.67
26 05 19 16-0629		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0615)		
26 05 19 16-0630	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.78	0.54
26 05 19 16-0631	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.12	0.54
26 05 19 16-0632	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.47	0.67
26 05 19 16-0633		#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0615)		
26 05 19 16-0634	LF	3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.16	0.67
26 05 19 16-0635	LF	4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.46	0.67
26 05 19 16-0636	LF	5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.79	0.67
26 05 19 16-0637		Multi-Conductor Type SEOW Cord (26 05 19 16-0482) Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0638		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0637)		
26 05 19 16-0639		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0638)		
26 05 19 16-0640	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.60	0.54
26 05 19 16-0641	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.72	0.54
26 05 19 16-0642	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.40	0.67
26 05 19 16-0643		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0638)		
26 05 19 16-0644	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.95	0.54
26 05 19 16-0645	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.17	0.54
26 05 19 16-0646	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.95	0.67
26 05 19 16-0647		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0638)		
26 05 19 16-0648	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.31	0.54
26 05 19 16-0649	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.60	0.54

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0650 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.18	0.67
26 05 19 16-0651 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0638)		
26 05 19 16-0652 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.84	0.67
26 05 19 16-0653 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.18	0.67
26 05 19 16-0654 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.40	0.67
26 05 19 16-0655 Multi-Conductor Type W Cord (26 05 19 16-0482) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0656 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0655)		
26 05 19 16-0657 #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0656)		
26 05 19 16-0658 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.01	0.80
26 05 19 16-0659 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.28	0.94
26 05 19 16-0660 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.97	0.94
26 05 19 16-0661 #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0656)		
26 05 19 16-0662 LF 3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.32	0.94
26 05 19 16-0663 LF 4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.13	1.07
26 05 19 16-0664 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.35	1.34
26 05 19 16-0665 #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0656)		
26 05 19 16-0666 LF 3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.58	0.94
26 05 19 16-0667 LF 4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.59	1.07
26 05 19 16-0668 LF 5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.39	1.34
26 05 19 16-0669 Cord Grips, Cable Reels, Extension Cords, And Accessories (26 05 19 16-0481)		
26 05 19 16-0670 Cord Grips (26 05 19 16-0669)		
26 05 19 16-0671 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	85.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.42	
26 05 19 16-0672 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	85.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.42	
26 05 19 16-0673 Cable Reels (26 05 19 16-0669) Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0481 for cords.		
26 05 19 16-0674 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	728.55	67.15
26 05 19 16-0675 EA 50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	2,005.32	67.15
26 05 19 16-0676 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,500.62	67.15
26 05 19 16-0677 Extension Cords For Cable Reel (26 05 19 16-0669)		
26 05 19 16-0678 EA 100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	215.02	
26 05 19 16-0679 EA 100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	305.11	
26 05 19 16-0680 Plugs And Connector Bodies (26 05 19 16-0669) Note: Up to 277 volt		
26 05 19 16-0681 NEMA Twist-Lock Plugs (26 05 19 16-0680)		
26 05 19 16-0682 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	88.86	
26 05 19 16-0683 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	90.53	
26 05 19 16-0684 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	83.50	
26 05 19 16-0685 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	88.65	
26 05 19 16-0686 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	112.79	
26 05 19 16-0687 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	119.33	
26 05 19 16-0688 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	125.73	
26 05 19 16-0689 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	113.77	
26 05 19 16-0690 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	129.49	
26 05 19 16-0691 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	132.55	
26 05 19 16-0692 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	136.45	
26 05 19 16-0693 NEMA Twist-Lock Connector Bodies (26 05 19 16-0680)		
26 05 19 16-0694 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	93.59	
26 05 19 16-0695 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	99.50	
26 05 19 16-0696 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	87.05	
26 05 19 16-0697 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	113.77	
26 05 19 16-0698 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	131.02	
26 05 19 16-0699 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	139.37	
26 05 19 16-0700 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	167.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0701 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	160.38	
26 05 19 16-0702 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	195.59	
26 05 19 16-0703 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	204.91	
26 05 19 16-0704 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	194.75	
26 05 19 16-0705 Watertight Pin And Sleeve Plug (26 05 19 16-0680)		
26 05 19 16-0706 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	294.23	40.29
26 05 19 16-0707 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	297.33	40.29
26 05 19 16-0708 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	321.39	40.29
26 05 19 16-0709 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	322.21	44.32
26 05 19 16-0710 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	317.54	44.32
26 05 19 16-0711 EA 20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	318.93	44.32
26 05 19 16-0712 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	447.98	49.56
26 05 19 16-0713 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	436.36	49.56
26 05 19 16-0714 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	486.29	49.56
26 05 19 16-0715 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	478.18	54.40
26 05 19 16-0716 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	457.99	54.40
26 05 19 16-0717 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	471.88	54.40
26 05 19 16-0718 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	608.49	64.47
26 05 19 16-0719 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	619.56	64.47
26 05 19 16-0720 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	593.31	64.47
26 05 19 16-0721 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	675.56	71.72
26 05 19 16-0722 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	658.33	71.72
26 05 19 16-0723 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	665.78	71.72
26 05 19 16-0724 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	834.48	80.58
26 05 19 16-0725 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	877.24	80.58
26 05 19 16-0726 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	855.98	88.65
26 05 19 16-0727 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	841.37	88.65
26 05 19 16-0728 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	849.26	88.65
26 05 19 16-0729 Watertight Pin And Sleeve Connector (26 05 19 16-0680)		
26 05 19 16-0730 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	312.05	40.29
26 05 19 16-0731 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	314.20	40.29
26 05 19 16-0732 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	369.61	40.29
26 05 19 16-0733 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	367.11	44.32
26 05 19 16-0734 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	361.48	44.32
26 05 19 16-0735 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	366.57	44.32
26 05 19 16-0736 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	458.63	49.56
26 05 19 16-0737 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	458.51	49.56
26 05 19 16-0738 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	477.63	49.56
26 05 19 16-0739 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	472.99	54.40
26 05 19 16-0740 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	476.93	54.40
26 05 19 16-0741 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	472.77	54.40
26 05 19 16-0742 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	717.70	64.47
26 05 19 16-0743 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	694.30	64.47
26 05 19 16-0744 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	680.35	64.47
26 05 19 16-0745 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	740.56	71.72
26 05 19 16-0746 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	760.91	71.72
26 05 19 16-0747 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	762.40	71.72
26 05 19 16-0748 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	954.28	80.58
26 05 19 16-0749 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	981.12	80.58
26 05 19 16-0750 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	1,060.29	88.65
26 05 19 16-0751 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	1,023.42	88.65
26 05 19 16-0752 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	1,035.99	88.65
26 05 19 16-0753 Accessories (26 05 19 16-0669)		
26 05 19 16-0754 EA 1/2" Straight Steel Cord Connector.....	66.28	13.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 19 16-0755 EA 1/2" Straight Nylon Cord Connector.....	39.86	10.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 19 16-0756 EA 1/2" 90 Degree Steel Cord Connector.....	75.94	16.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 19 16-0757 EA 1/2" 90 Degree Nylon Cord Connector.....	48.04	13.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 19 16-0758 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	74.97	16.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 19 16-0759 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	129.25	20.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.09	
26 05 19 16-0760 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	47.28	13.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 19 16-0761 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	79.53	16.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 19 16-0762 EA 3/4" Straight Steel Cord Connector.....	69.05	13.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 19 16-0763 EA 3/4" Straight Nylon Cord Connector.....	41.24	10.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 19 16-0764 EA 3/4" 90 Degree Steel Cord Connector.....	84.61	16.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0765 EA 3/4" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.37 8.06	13.43
26 05 19 16-0766 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.59 12.09	20.15
26 05 19 16-0767 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.59 14.10	23.51
26 05 19 16-0768 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92 10.07	16.78
26 05 19 16-0769 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.75 12.09	20.15
26 05 19 16-0770 EA 1" Straight Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.85 8.06	13.43
26 05 19 16-0771 EA 1" Straight Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.14 6.05	10.07
26 05 19 16-0772 EA 1" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.37 10.07	16.78
26 05 19 16-0773 EA 1" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.25 8.06	13.43
26 05 19 16-0774 EA 1" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.28 12.09	20.15
26 05 19 16-0775 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.93 14.10	23.51
26 05 19 16-0776 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.40 10.07	16.78
26 05 19 16-0777 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.77 12.09	20.15

26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)		
26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001)		
Note: For surface or conduit installation.		
26 05 23 00-0003 MLF #20/2 Conductor, Low Volt Thermostat Cable	496.38	156.46
26 05 23 00-0004 MLF #20/3 Conductor, Low Volt Thermostat Cable	558.08	164.80
26 05 23 00-0005 MLF #20/4 Conductor, Low Volt Thermostat Cable	602.09	174.25
26 05 23 00-0006 MLF #20/5 Conductor, Low Volt Thermostat Cable	703.43	181.62
26 05 23 00-0007 MLF #20/6 Conductor, Low Volt Thermostat Cable	735.65	190.21
26 05 23 00-0008 MLF #20/7 Conductor, Low Volt Thermostat Cable	804.03	198.11
26 05 23 00-0009 MLF #20/8 Conductor, Low Volt Thermostat Cable	864.25	206.03
26 05 23 00-0010 MLF #20/9 Conductor, Low Volt Thermostat Cable	932.40	214.25
26 05 23 00-0011 MLF #20/10 Conductor, Low Volt Thermostat Cable	996.94	220.69
26 05 23 00-0012 MLF #18/2 Conductor, Low Volt Thermostat Cable	530.62	156.46
26 05 23 00-0013 MLF #18/3 Conductor, Low Volt Thermostat Cable	619.16	164.80
26 05 23 00-0014 MLF #18/4 Conductor, Low Volt Thermostat Cable	698.99	174.25
26 05 23 00-0015 MLF #18/5 Conductor, Low Volt Thermostat Cable	743.43	181.62
26 05 23 00-0016 MLF #18/6 Conductor, Low Volt Thermostat Cable	816.01	190.21
26 05 23 00-0017 MLF #18/7 Conductor, Low Volt Thermostat Cable	840.93	198.11
26 05 23 00-0018 MLF #18/8 Conductor, Low Volt Thermostat Cable	920.55	206.03
26 05 23 00-0019 MLF #18/9 Conductor, Low Volt Thermostat Cable	1,067.50	214.25
26 05 23 00-0020 MLF #18/10 Conductor, Low Volt Thermostat Cable	1,163.58	220.69

26 05 26 Grounding and Bonding for Electrical Systems (26 05)

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)		
26 05 26 00-0002 Single Conductor (26 05 26 00-0001)		
26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor	705.73	248.83
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor	949.36	248.83
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor	1,193.99	299.74
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor	1,675.77	299.74
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor	2,279.30	361.94
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor	3,637.33	361.94
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor	4,223.44	435.47
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor	4,958.83	435.47
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor	6,996.67	548.58
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor	8,649.71	548.58
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	9,145.87	729.55
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	11,796.77	729.55
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	11,814.14	842.66
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	16,004.10	842.66
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	21,900.20	1,040.60
26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	1,382.44	339.33
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	1,455.00	339.33
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	1,882.14	339.33
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	2,119.51	588.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	2,899.55	588.16
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	4,139.67	588.16
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	5,027.53	1,029.29
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	6,157.83	1,029.29
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	7,254.63	1,029.29
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	8,686.33	1,029.29
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	10,283.70	1,346.00
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	12,492.68	1,346.00
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	14,592.32	1,346.00
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	16,989.59	2,092.51
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	22,299.27	2,092.51
26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor.....	705.73	248.83
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor.....	949.36	248.83
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor	1,193.99	299.74
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor	1,675.77	299.74
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor	2,279.30	361.94
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor	3,637.33	361.94
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor.....	4,958.83	435.47
26 05 26 00-0043 MLF 2/0 AWG Copper Bare Single Solid Conductor.....	6,314.46	548.58
26 05 26 00-0044 MLF 3/0 AWG Copper Bare Single Solid Conductor.....	7,669.80	548.58
26 05 26 00-0045 MLF 4/0 AWG Copper Bare Single Solid Conductor.....	9,145.87	576.86
26 05 26 00-0046 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0047 MLF 8 AWG Aluminum Bare Single Stranded Conductor.....	885.16	299.74
26 05 26 00-0048 MLF 6 AWG Aluminum Bare Single Stranded Conductor.....	989.32	299.74
26 05 26 00-0049 MLF 4 AWG Aluminum Bare Single Stranded Conductor.....	1,151.93	361.94
26 05 26 00-0050 MLF 2 AWG Aluminum Bare Single Stranded Conductor.....	1,489.86	361.94
26 05 26 00-0051 MLF 1 AWG Aluminum Bare Single Stranded Conductor.....	1,771.59	435.47
26 05 26 00-0052 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor.....	2,030.04	435.47
26 05 26 00-0053 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor.....	2,331.99	548.58
26 05 26 00-0054 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor.....	2,714.17	548.58
26 05 26 00-0055 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor.....	3,218.19	729.55
26 05 26 00-0056 MLF 250 MCM Aluminum Bare Single Stranded Conductor.....	3,647.11	729.55
26 05 26 00-0057 MLF 300 MCM Aluminum Bare Single Stranded Conductor.....	4,459.63	842.66
26 05 26 00-0058 MLF 350 MCM Aluminum Bare Single Stranded Conductor.....	5,141.87	842.66
26 05 26 00-0059 MLF 500 MCM Aluminum Bare Single Stranded Conductor.....	6,023.47	1,040.60
26 05 26 00-0060 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0061 MLF 8 AWG Aluminum Bare Single Solid Conductor	885.16	299.74
26 05 26 00-0062 MLF 6 AWG Aluminum Bare Single Solid Conductor	989.32	299.74
26 05 26 00-0063 MLF 4 AWG Aluminum Bare Single Solid Conductor	1,151.93	361.94
26 05 26 00-0064 MLF 2 AWG Aluminum Bare Single Solid Conductor	1,489.86	361.94
26 05 26 00-0065 MLF 1 AWG Aluminum Bare Single Solid Conductor	1,725.95	576.86
26 05 26 00-0066 MLF 1/0 AWG Aluminum Bare Single Solid Conductor	2,030.04	576.86
26 05 26 00-0067 MLF 2/0 AWG Aluminum Bare Single Solid Conductor	2,218.91	548.58
26 05 26 00-0068 MLF 3/0 AWG Aluminum Bare Single Solid Conductor	2,486.48	548.58
26 05 26 00-0069 MLF 4/0 AWG Aluminum Bare Single Solid Conductor	3,218.19	729.55
26 05 26 00-0070 MLF 250 MCM Aluminum Bare Single Solid Conductor	3,647.11	729.55
26 05 26 00-0071 MLF 300 MCM Aluminum Bare Single Solid Conductor	4,459.63	842.66
26 05 26 00-0072 MLF 350 MCM Aluminum Bare Single Solid Conductor	5,141.87	842.66
26 05 26 00-0073 MLF 500 MCM Aluminum Bare Single Solid Conductor	6,023.47	1,040.60
26 05 26 00-0074 Aluminum Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0075 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.16	0.92
26 05 26 00-0076 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.50	1.02
26 05 26 00-0077 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.15	1.17
26 05 26 00-0078 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.18	1.19
26 05 26 00-0079 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.39	1.25
26 05 26 00-0080 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0081 EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	161.78	33.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		20.15
26 05 26 00-0082 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	281.67	40.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		24.17
26 05 26 00-0083 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	362.18	40.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		24.17
26 05 26 00-0084 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	441.59	40.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		24.17
26 05 26 00-0085 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	379.77	43.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		30.22
26 05 26 00-0086 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	495.59	43.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		30.22

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0087 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	596.23	43.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.22	
26 05 26 00-0088 EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	495.78	55.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.24	
26 05 26 00-0089 EA 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	596.14	67.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 05 26 00-0090 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)		
26 05 26 00-0091 EA 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit.....	212.11	73.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.97	
26 05 26 00-0092 EA 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit.....	261.34	73.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.65	
26 05 26 00-0093 EA 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit.....	386.60	114.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.05	
26 05 26 00-0094 EA 5" To 6" Conductor, Bonding Jumper, Metallic Conduit.....	575.45	114.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.62	
26 05 26 00-0095 Ground Rods (26 05 26)		
26 05 26 00-0096 Copper-Clad Ground Rods (26 05 26 00-0095)		
26 05 26 00-0097 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	110.41	100.73
26 05 26 00-0098 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	114.54	100.73
26 05 26 00-0099 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	131.21	100.73
26 05 26 00-0100 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	129.63	100.73
26 05 26 00-0101 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods.....	134.80	100.73
26 05 26 00-0102 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods.....	155.63	100.73
26 05 26 00-0103 Copper Grounding Shaft (26 05 26 00-0095)		
26 05 26 00-0104 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	375.82	100.73
26 05 26 00-0105 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	467.08	100.73
26 05 26 00-0106 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	722.03	100.73
26 05 26 00-0107 Ground Access Wells (26 05 26 00-0095)		
26 05 26 00-0108 Precast Ground Access Wells (26 05 26 00-0107)		
26 05 26 00-0109 EA 8" Diameter x 24" Deep Precast Ground Access Well.....	298.53	
Note: With cast iron grate.		
26 05 26 00-0110 EA 10" Diameter x 24" Deep Precast Ground Access Well.....	309.62	
Note: With cast iron grate.		
26 05 26 00-0111 EA 12" Diameter x 24" Deep Precast Ground Access Well.....	895.72	
Note: With cast iron grate.		
26 05 26 00-0112 EA 18" Diameter x 24" Deep Precast Ground Access Well.....	906.82	
Note: With cast iron grate.		
26 05 26 00-0113 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0107)		
26 05 26 00-0114 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	584.05	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0115 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	711.04	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0116 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	1,562.06	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0117 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	443.26	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0118 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	535.94	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0119 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	1,397.62	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0120 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	255.52	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0121 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	350.98	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0122 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	417.64	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0123 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	208.20	
26 05 26 00-0124 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	323.77	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well.....	483.94	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well.....	666.95	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0127 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well.....	463.83	
Note: Schedule 40 with plastic cover.		
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well.....	498.95	
Note: Schedule 40 with plastic cover.		
26 05 26 00-0129 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well.....	891.64	
Note: With cast iron cover, heavy-duty.		
26 05 26 00-0130 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well.....	1,125.97	
Note: With cast iron cover, heavy-duty.		



Electrical		26
Common Work Results for Electrical		26 05
Grounding and Bonding for Electrical Systems		26 05 26

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0131 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	496.50	
26 05 26 00-0132 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	676.73	
26 05 26 00-0133 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	668.86	
26 05 26 00-0134 Polymer Concrete Ground Access Well (26 05 26 00-0107)		
26 05 26 00-0135 EA 12" x 12" x 12" Polymer Concrete Ground Access Well	565.28	
26 05 26 00-0136 EA 12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well	620.06	
26 05 26 00-0137 EA 12" x 12" x 18" Polymer Concrete Ground Access Well	622.84	
26 05 26 00-0138 EA 12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well	683.11	
26 05 26 00-0139 EA 12" x 12" x 24" Polymer Concrete Ground Access Well	682.61	
26 05 26 00-0140 EA 12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well	748.89	
26 05 26 00-0141 EA 13" x 24" x 18" Polymer Concrete Ground Access Well	910.51	
26 05 26 00-0142 EA 13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well	1,000.89	
26 05 26 00-0143 High-Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0107)		
26 05 26 00-0144 EA 9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	206.34	
26 05 26 00-0145 EA 14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	287.52	
26 05 26 00-0146 Clay Tile Ground Access Wells (26 05 26 00-0107)		
26 05 26 00-0147 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	326.03	
26 05 26 00-0148 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	342.79	
26 05 26 00-0149 EA Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	103.86	
26 05 26 00-0150 Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0151 Bronze Ground Rod Clamp (26 05 26 00-0150)		
26 05 26 00-0152 EA 1/2" Bronze Ground Rod Clamp	25.99	15.18
26 05 26 00-0153 EA 5/8" Bronze Ground Rod Clamp	27.03	15.18
26 05 26 00-0154 EA 3/4" Bronze Ground Rod Clamp	28.52	15.18
26 05 26 00-0155 Bronze Pipe Clamps (26 05 26 00-0150)		
26 05 26 00-0156 EA 1/2" To 1" Diameter, Bronze Pipe Ground Clamps	35.38	25.25
26 05 26 00-0157 EA 1-1/4" To 2" Diameter, Bronze Ground Clamps For Pipe	44.29	30.22
26 05 26 00-0158 EA 2-1/2" To 3" Diameter, Bronze Ground Clamps For Pipe	62.02	35.32
26 05 26 00-0159 EA 2-1/2" To 4" Diameter, Bronze Ground Clamps For Pipe	76.74	45.39
26 05 26 00-0160 EA 4" To 6" Diameter, Bronze Ground Clamps For Pipe	115.91	65.54
26 05 26 00-0161 Grounding Fittings (26 05 26 00-0150)		
26 05 26 00-0162 Embedded Fittings (26 05 26 00-0161)		
26 05 26 00-0163 EA Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	174.80	
26 05 26 00-0164 EA Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	184.23	
26 05 26 00-0165 EA Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	200.97	
26 05 26 00-0166 EA #8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	176.09	
26 05 26 00-0167 EA 1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	211.02	
26 05 26 00-0168 EA 4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	247.33	
26 05 26 00-0169 EA 350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	278.29	
26 05 26 00-0170 Ground Rod Receptacle (26 05 26 00-0161)		
26 05 26 00-0171 EA 1/2" Ground Rod Receptacle	375.58	139.68
26 05 26 00-0172 EA 5/8" Ground Rod Receptacle	391.69	143.62
26 05 26 00-0173 EA 3/4" Ground Rod Receptacle	408.23	147.52
26 05 26 00-0174 Ground Kits For Circuit Breaker Panels (26 05 26 00-0161)		
26 05 26 00-0175 EA 14-8 AWG Copper Ground Kit	84.92	33.58
26 05 26 00-0176 EA 12-8 AWG Aluminum Ground Kit	75.79	33.58
26 05 26 00-0177 EA 14-4 AWG Copper Ground Kit	92.85	33.58
26 05 26 00-0178 EA 12-4 AWG Aluminum Ground Kit	81.84	33.58
26 05 26 00-0179 Insulated Grounding Bars (26 05 26 00-0150)		
26 05 26 00-0180 EA 1/2" x 4" x 10" Insulated Ground Bar	340.99	33.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		60.44
26 05 26 00-0181 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20"	356.31	33.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		60.44

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 26 00-0182	Ground Conductor Bonding (26 05 26)				
26 05 26 00-0183	Ground Conductor Bonding (26 05 26 00-0182)				
26 05 26 00-0184	Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0183)				
26 05 26 00-0185	EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel 154.78 Note: Includes molds, materials and all necessary tools to make connections.				
26 05 26 00-0186	EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....168.21 Note: Includes molds, materials and all necessary tools to make connections.				
26 05 26 00-0187	EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....181.64 Note: Includes molds, materials and all necessary tools to make connections.				
26 05 26 00-0188	EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel 262.22 Note: Includes molds, materials and all necessary tools to make connections.				
26 05 26 00-0189	Tee, Wye Or Cross Cadweld (26 05 26 00-0183)				
26 05 26 00-0190	EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....174.93 Note: Includes molds, materials and all necessary tools to make connections.				
26 05 26 00-0191	EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross 201.78 Note: Includes molds, materials and all necessary tools to make connections.				
26 05 26 00-0192	EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross 248.79 Note: Includes molds, materials and all necessary tools to make connections.				
26 05 26 00-0193	EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....302.51 Note: Includes molds, materials and all necessary tools to make connections.				
26 05 26 00-0194	Grounding Equipment (26 05 26)				
26 05 26 00-0195	Special Grounding Equipment (26 05 26 00-0194)				
26 05 26 00-0196	Ground Reels And Ground Bus (26 05 26 00-0195)				
26 05 26 00-0197	EA Ground Reel With 50' Of Galvanized Steel Cable.....748.32				
26 05 26 00-0198	Copper Bars (26 05 26 00-0195)				
26 05 26 00-0199	LF 1/4" x 2" Copper Bar 44.07				
26 05 26 00-0200	Phenolic Insulators (26 05 26 00-0195)				
26 05 26 00-0201	EA 2" x 2" x 1" Long Phenolic Insulators 33.97 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.06				
26 05 26 00-0202	Grounding Studs (26 05 26 00-0195)				
26 05 26 00-0203	EA Ball Grounding Stud.....49.39 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.03				
26 05 26 00-0204	Equipment Ground Bar Kits (26 05 26 00-0195)				
26 05 26 00-0205	EA Switch Rating 30 Ground Bar Kit 37.52 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.06				
26 05 26 00-0206	EA Switch Rating 60 Ground Bar Kit 47.10 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.87				
26 05 26 00-0207	EA Switch Rating 100 Ground Bar Kit 54.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 10.07				
26 05 26 00-0208	EA Switch Rating 200 Ground Bar Kit 91.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.09				
26 05 26 00-0209	Panelboard Ground Bar Kits (26 05 26 00-0195)				
26 05 26 00-0210	EA Panelboard Ground Bar Kit.....128.72 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 10.07				10.07
26 05 26 00-0211	Circuit Breaker Ground Bar Kits (26 05 26 00-0195)				
26 05 26 00-0212	EA 3 Circuit, Ground Bar Kit 30.81 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.05				6.04
26 05 26 00-0213	EA 4 Circuit, Ground Bar Kit 30.32 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.05				6.04
26 05 26 00-0214	EA 7 Circuit, Ground Bar Kit 31.14 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.05				6.04
26 05 26 00-0215	EA 12 Circuit, Ground Bar Kit 35.31 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.85				6.85
26 05 26 00-0216	EA 20 Circuit, Ground Bar Kit 40.12 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.66				7.66
26 05 26 00-0217	EA 24 Circuit, Ground Bar Kit 44.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.46				8.46
26 05 26 00-0218	EA 30 Circuit, Ground Bar Kit 49.62 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.67				9.67
26 05 26 00-0219	EA 54 Circuit, Ground Bar Kit 57.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.28				11.28



Electrical		26
Common Work Results for Electrical		26 05
Grounding and Bonding for Electrical Systems		26 05 26

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0220 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.85 8.46	8.46
26 05 26 00-0221 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.50 9.67	9.67
26 05 26 00-0222 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.50 11.28	11.28

26 05 29 Hangers and Supports for Electrical Systems (26 05)

26 05 29 00-0001	Metal Framing Channel And Fittings (26 05 29) See CSI section 05 43 00 00-0001 for additional unistrut fittings.		
26 05 29 00-0002	Metal Framing Channel (26 05 29 00-0001) Note: Excludes fasteners and accessories.		
26 05 29 00-0003	Steel Unistrut Channel (26 05 29 00-0002)		
26 05 29 00-0004	EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel..... <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	21.75 0.98 0.87	7.37
26 05 29 00-0005	EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	31.22 1.97 1.74	9.81
26 05 29 00-0006	EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	40.68 2.95 2.61	11.66
26 05 29 00-0007	EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	50.16 3.94 3.48	13.50
26 05 29 00-0008	LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel..... <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	11.33 0.98 0.87	2.77
26 05 29 00-0009	EA Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	23.54 1.29 1.14	7.38
26 05 29 00-0010	EA >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	34.78 2.57 2.27	9.81
26 05 29 00-0011	EA >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	46.01 3.86 3.41	11.66
26 05 29 00-0012	EA >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	57.26 5.15 4.54	13.50
26 05 29 00-0013	LF >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	13.11 1.29 1.14	2.77
26 05 29 00-0014	EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel..... <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	25.38 1.60 1.41	7.38
26 05 29 00-0015	EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	38.46 3.20 2.82	9.81
26 05 29 00-0016	EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	51.55 4.80 4.24	11.66
26 05 29 00-0017	EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	64.64 6.40 5.65	13.50
26 05 29 00-0018	LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel..... <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	14.95 1.60 1.41	2.77
26 05 29 00-0019	EA Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	24.76 1.49 1.32	7.38
26 05 29 00-0020	EA >1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	37.21 2.99 2.64	9.81
26 05 29 00-0021	EA >2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	49.67 4.48 3.95	11.66
26 05 29 00-0022	EA >3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	62.14 5.98 5.27	13.50
26 05 29 00-0023	LF >4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	14.33 1.49 1.32	2.77
26 05 29 00-0024	EA Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	24.35 1.42 1.26	7.38
26 05 29 00-0025	EA >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	36.40 2.85 2.51	9.81
26 05 29 00-0026	EA >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	48.46 4.28 3.77	11.66

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0027 EA >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel For Galvanizing, Add For Powder Coating, Add	60.52 5.70 5.03	13.50
26 05 29 00-0028 LF >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel For Galvanizing, Add For Powder Coating, Add	13.92 1.42 1.26	2.77
26 05 29 00-0029 Stainless Steel Unistrut Channel (26 05 29 00-0002)		
26 05 29 00-0030 304 Stainless Steel Unistrut Channel (26 05 29 00-0029)		
26 05 29 00-0031 EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	33.47	7.38
26 05 29 00-0032 EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	54.63	9.81
26 05 29 00-0033 EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	75.80	11.66
26 05 29 00-0034 EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	96.97	13.50
26 05 29 00-0035 LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	23.04	2.78
26 05 29 00-0036 EA Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	36.68	7.38
26 05 29 00-0037 EA >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	61.06	9.81
26 05 29 00-0038 EA >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	85.44	11.66
26 05 29 00-0039 EA >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	109.82	13.50
26 05 29 00-0040 LF >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	26.25	2.78
26 05 29 00-0041 EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	37.74	7.38
26 05 29 00-0042 EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	63.18	9.81
26 05 29 00-0043 EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	88.63	11.66
26 05 29 00-0044 EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	114.08	13.50
26 05 29 00-0045 LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	27.31	2.77
26 05 29 00-0046 EA Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	43.28	7.38
26 05 29 00-0047 EA >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	74.26	9.81
26 05 29 00-0048 EA >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	105.25	11.66
26 05 29 00-0049 EA >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	136.24	13.50
26 05 29 00-0050 LF >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	32.85	2.77
26 05 29 00-0051 316 Stainless Steel Unistrut Channel (26 05 29 00-0029)		
26 05 29 00-0052 EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	47.33	7.38
26 05 29 00-0053 EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	82.37	9.81
26 05 29 00-0054 EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	117.40	11.66
26 05 29 00-0055 EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	152.45	13.50
26 05 29 00-0056 LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	36.90	2.78
26 05 29 00-0057 Aluminum Unistrut Channel (26 05 29 00-0002)		
26 05 29 00-0058 EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	20.94	7.37
26 05 29 00-0059 EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	29.61	9.81
26 05 29 00-0060 EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	38.26	11.66
26 05 29 00-0061 EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	46.93	13.50
26 05 29 00-0062 LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	10.52	2.77
26 05 29 00-0063 EA Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	24.20	7.37
26 05 29 00-0064 EA >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	36.12	9.81
26 05 29 00-0065 EA >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	48.04	11.66
26 05 29 00-0066 EA >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	59.96	13.50
26 05 29 00-0067 LF >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.78	2.77
26 05 29 00-0068 Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0069 Unistrut Channel Closure Strips And Caps (26 05 29 00-0068)		
26 05 29 00-0070 Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0069)		
26 05 29 00-0071 LF Steel Raceway Closure Strip, Unistrut Channel Fittings	7.78	0.67
26 05 29 00-0072 EA Steel End Cap, Unistrut Channel Fittings	5.89	1.69
26 05 29 00-0073 Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0069)		
26 05 29 00-0074 EA Stainless Steel End Cap For Unistrut Channel	11.65	1.69
26 05 29 00-0075 Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0076 Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0075)		
26 05 29 00-0077 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.66	
26 05 29 00-0078 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.61	
26 05 29 00-0079 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	9.28	
26 05 29 00-0080 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0075)		
26 05 29 00-0081 EA 2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	16.07	
26 05 29 00-0082 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	23.60	
26 05 29 00-0083 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	29.98	



Electrical		26
Common Work Results for Electrical		26 05
Hangers and Supports for Electrical Systems		26 05 29

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0084 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0085 Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0084)		
26 05 29 00-0086 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.41	
26 05 29 00-0087 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.20	
26 05 29 00-0088 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.74	
26 05 29 00-0089 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.59	
26 05 29 00-0090 Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0084)		
26 05 29 00-0091 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.46	
26 05 29 00-0092 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	11.68	
26 05 29 00-0093 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.00	
26 05 29 00-0094 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	13.94	
26 05 29 00-0095 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	12.79	
26 05 29 00-0096 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	23.08	
26 05 29 00-0097 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.42	
26 05 29 00-0098 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	19.18	
26 05 29 00-0099 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0100 Steel 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0099)		
26 05 29 00-0101 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	15.39	
26 05 29 00-0102 U-Connector, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0103 Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0102)		
26 05 29 00-0104 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	5.40	
26 05 29 00-0105 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	6.03	
26 05 29 00-0106 Stainless Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0102)		
26 05 29 00-0107 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	19.05	
26 05 29 00-0108 Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0109 Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0108)		
26 05 29 00-0110 EA 3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	15.80	
26 05 29 00-0111 Stainless Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0108)		
26 05 29 00-0112 EA 3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	36.46	
26 05 29 00-0113 Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0068)		
Note: Includes hex screw and nut.		
26 05 29 00-0114 Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0113)		
Note: Includes hex screw and nut.		
26 05 29 00-0115 EA 1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.82	2.02
26 05 29 00-0116 EA 3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.85	2.02
26 05 29 00-0117 EA 1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.99	2.02
26 05 29 00-0118 EA 1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.53	2.69
26 05 29 00-0119 EA 1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.26	2.69
26 05 29 00-0120 EA 2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.34	2.69
26 05 29 00-0121 EA 2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.20	3.36
26 05 29 00-0122 EA 3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.84	3.36
26 05 29 00-0123 EA 3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.47	3.36
26 05 29 00-0124 EA 4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.69	3.36
26 05 29 00-0125 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0113)		
Note: Includes hex screw and nut.		
26 05 29 00-0126 EA 1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.07	2.02
26 05 29 00-0127 EA 3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.91	2.02
26 05 29 00-0128 EA 1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.75	2.02
26 05 29 00-0129 EA 1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.21	2.69
26 05 29 00-0130 EA 1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.54	2.69
26 05 29 00-0131 EA 2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.16	2.69
26 05 29 00-0132 EA 2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.25	3.36
26 05 29 00-0133 EA 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.33	3.36
26 05 29 00-0134 EA 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.22	3.36
26 05 29 00-0135 EA 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	24.51	3.36

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0136		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0113) Note: Includes hex screw and nut.		
26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.59	2.02
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.77	2.02
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.11	2.02
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.37	2.69
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.46	2.69
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.66	2.69
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	19.82	3.36
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.88	3.36
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	28.40	3.36
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	33.00	3.36
26 05 29 00-0147		Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0148		Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0147)		
26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	43.33	12.27
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	28.87	12.27
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	41.87	12.27
26 05 29 00-0152		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0147)		
26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	49.45	12.27
26 05 29 00-0154		Square Washers For Unistrut Channel (26 05 29 00-0068)		
26 05 29 00-0155		Steel Square Washers For Unistrut Channel (26 05 29 00-0154)		
26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	5.40	
26 05 29 00-0157		Stainless Steel Square Washers For Unistrut Channel (26 05 29 00-0154)		
26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	4.91	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	6.05	
26 05 29 00-0160		Strut Braces, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	43.49	
26 05 29 00-0162		Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel	54.00	
26 05 29 00-0164		Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0068) Note: Includes hex bolt.		
26 05 29 00-0165		Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0164) Note: Includes hex bolt.		
26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	9.21	
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	10.09	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	10.76	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	14.33	
26 05 29 00-0170		Stainless Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0164) Note: Includes hex bolt.		
26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	13.85	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.72	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.29	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	32.94	
26 05 29 00-0175		Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0068) Note: Includes hex bolt.		
26 05 29 00-0176		Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0175) Note: Includes hex bolt.		
26 05 29 00-0177	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	9.24	
26 05 29 00-0178	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	10.22	
26 05 29 00-0179	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	10.81	
26 05 29 00-0180	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	15.36	
26 05 29 00-0181		Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0175) Note: Includes hex bolt.		
26 05 29 00-0182	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.39	
26 05 29 00-0183	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.29	
26 05 29 00-0184	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0185	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	32.13	
26 05 29 00-0186			Mounting Assemblies (26 05 29)		
26 05 29 00-0187			Galvanized Steel Mounting Assemblies (26 05 29 00-0186)		
26 05 29 00-0188			Galvanized Steel Back Plate (26 05 29 00-0187)		
26 05 29 00-0189	EA		1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	579.93	80.58
26 05 29 00-0190	EA		3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	142.72	26.86
26 05 29 00-0191	EA		3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	361.42	67.15
26 05 29 00-0192			Aluminum Mounting Assemblies (26 05 29 00-0186)		
26 05 29 00-0193			Aluminum Back Plate (26 05 29 00-0192)		
26 05 29 00-0194	EA		3/16" x 2' x 2' Aluminum Back Plate.....	476.09	100.73
26 05 29 00-0195	EA		3/16" x 4' x 4' Aluminum Back Plate.....	1,348.47	100.73
26 05 29 00-0196			Supports (26 05 29)		
26 05 29 00-0197			One Hole Steel Conduit Straps (26 05 29 00-0196)		
26 05 29 00-0198	EA		1/2", One Hole Steel Conduit Strap	4.91	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.91	
			For >500, Deduct	-1.35	
26 05 29 00-0199	EA		3/4", One Hole Steel Conduit Strap	4.98	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.91	
			For >500, Deduct	-1.36	
26 05 29 00-0200	EA		1", One Hole Steel Conduit Strap	5.31	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.94	
			For >500, Deduct	-1.39	
26 05 29 00-0201	EA		1-1/4", One Hole Steel Conduit Strap	5.55	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.95	
			For >500, Deduct	-1.42	
26 05 29 00-0202	EA		1-1/2", One Hole Steel Conduit Strap	5.72	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.97	
			For >500, Deduct	-1.43	
26 05 29 00-0203	EA		2", One Hole Steel Conduit Strap	6.72	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.28	
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-1.04	
			For >500, Deduct	-1.53	
26 05 29 00-0204	EA		2-1/2", One Hole Steel Conduit Strap	7.75	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.30	
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-1.12	
			For >500, Deduct	-1.64	
26 05 29 00-0205	EA		3", One Hole Steel Conduit Strap	8.09	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.31	
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-1.14	
			For >500, Deduct	-1.67	
26 05 29 00-0206	EA		3-1/2", One Hole Steel Conduit Strap	9.78	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.35	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-1.27	
			For >500, Deduct	-1.84	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0207	EA		4", One Hole Steel Conduit Strap	11.13	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.39	
			For >100 To 250, Deduct	-0.77	
			For >250 To 500, Deduct	-1.37	
			For >500, Deduct	-1.97	
26 05 29 00-0208			One Hole Iron Conduit Straps (26 05 29 00-0196)		
26 05 29 00-0209	EA		1/2", One Hole Iron Conduit Strap	5.07	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.92	
			For >500, Deduct	-1.37	
26 05 29 00-0210	EA		3/4", One Hole Iron Conduit Strap	5.24	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.93	
			For >500, Deduct	-1.38	
26 05 29 00-0211	EA		1", One Hole Iron Conduit Strap	5.52	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.95	
			For >500, Deduct	-1.41	
26 05 29 00-0212	EA		1-1/4", One Hole Iron Conduit Strap	6.23	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.26	
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-1.00	
			For >500, Deduct	-1.48	
26 05 29 00-0213	EA		1-1/2", One Hole Iron Conduit Strap	6.51	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.27	
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-1.03	
			For >500, Deduct	-1.51	
26 05 29 00-0214	EA		2", One Hole Iron Conduit Strap	8.29	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.31	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.16	
			For >500, Deduct	-1.69	
26 05 29 00-0215	EA		2-1/2", One Hole Iron Conduit Strap	12.11	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.41	
			For >100 To 250, Deduct	-0.82	
			For >250 To 500, Deduct	-1.45	
			For >500, Deduct	-2.07	
26 05 29 00-0216	EA		3", One Hole Iron Conduit Strap	15.30	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.49	
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.69	
			For >500, Deduct	-2.39	
26 05 29 00-0217	EA		3-1/2", One Hole Iron Conduit Strap	19.96	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.61	
			For >100 To 250, Deduct	-1.21	
			For >250 To 500, Deduct	-2.03	
			For >500, Deduct	-2.86	
26 05 29 00-0218	EA		4", One Hole Iron Conduit Strap	38.62	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-1.07	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-3.43	
			For >500, Deduct	-4.72	
26 05 29 00-0219	EA		5", One Hole Iron Conduit Strap	48.66	
			For Work In Restricted Working Space, Add	1.29	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-1.32	
			For >100 To 250, Deduct	-2.65	
			For >250 To 500, Deduct	-4.19	
			For >500, Deduct	-5.73	



Electrical		26
Common Work Results for Electrical		26 05
Hangers and Supports for Electrical Systems		26 05 29

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0220			Two Hole Steel Conduit Straps (26 05 29 00-0196)		
26 05 29 00-0221	EA	1/2"	Two Hole Steel Conduit Strap 5.66		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.26	
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-1.03	
			For >500, Deduct	-1.53	
26 05 29 00-0222	EA	3/4"	Two Hole Steel Conduit Strap 5.77		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.27	
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-1.04	
			For >500, Deduct	-1.55	
26 05 29 00-0223	EA	1"	Two Hole Steel Conduit Strap 5.83		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.27	
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-1.04	
			For >500, Deduct	-1.55	
26 05 29 00-0224	EA	1-1/4"	Two Hole Steel Conduit Strap 5.91		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.27	
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-1.05	
			For >500, Deduct	-1.56	
26 05 29 00-0225	EA	1-1/2"	Two Hole Steel Conduit Strap 5.97		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.27	
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-1.05	
			For >500, Deduct	-1.57	
26 05 29 00-0226	EA	2"	Two Hole Steel Conduit Strap 6.10		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.27	
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-1.06	
			For >500, Deduct	-1.58	
26 05 29 00-0227	EA	2-1/2"	Two Hole Steel Conduit Strap 6.87		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.29	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.12	
			For >500, Deduct	-1.66	
26 05 29 00-0228	EA	3"	Two Hole Steel Conduit Strap 7.04		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.30	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.13	
			For >500, Deduct	-1.67	
26 05 29 00-0229	EA	3-1/2"	Two Hole Steel Conduit Strap 7.64		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.31	
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-1.18	
			For >500, Deduct	-1.73	
26 05 29 00-0230	EA	4"	Two Hole Steel Conduit Strap 8.05		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.32	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-1.21	
			For >500, Deduct	-1.77	
26 05 29 00-0231	EA	5"	Two Hole Steel Conduit Strap 8.60		
			For Work In Restricted Working Space, Add	1.45	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
			For >50 To 100, Deduct	-0.34	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-1.25	
			For >500, Deduct	-1.83	
26 05 29 00-0232			Clamp Back Spacers (26 05 29 00-0196)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0233 EA 1/2" Conduit, Clamp Back Spacer.....	4.52	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.12	
26 05 29 00-0234 EA 3/4" Conduit, Clamp Back Spacer.....	4.90	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.79	
For >500, Deduct	-1.16	
26 05 29 00-0235 EA 1" Conduit, Clamp Back Spacer.....	5.26	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.20	
26 05 29 00-0236 EA 1-1/4" Conduit, Clamp Back Spacer.....	6.67	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.34	
26 05 29 00-0237 EA 1-1/2" Conduit, Clamp Back Spacer.....	7.80	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.45	
26 05 29 00-0238 EA 2" Conduit, Clamp Back Spacer.....	8.99	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.09	
For >500, Deduct	-1.57	
26 05 29 00-0239 EA 2-1/2" Conduit, Clamp Back Spacer.....	13.82	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.43	
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-2.05	
26 05 29 00-0240 EA 3" Conduit, Clamp Back Spacer.....	19.59	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.57	
For >100 To 250, Deduct	-1.15	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.63	
26 05 29 00-0241 EA 3-1/2" Conduit, Clamp Back Spacer.....	25.20	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.71	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-3.19	
26 05 29 00-0242 EA 4" Conduit, Clamp Back Spacer.....	51.50	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-1.37	
For >100 To 250, Deduct	-2.74	
For >250 To 500, Deduct	-4.28	
For >500, Deduct	-5.82	
26 05 29 00-0243 EA 5" Conduit, Clamp Back Spacer.....	95.92	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-2.48	
For >100 To 250, Deduct	-4.96	
For >250 To 500, Deduct	-7.61	
For >500, Deduct	-10.26	
26 05 29 00-0244 Conduit Clips (26 05 29 00-0196)		
Note: Push in or clip.		
26 05 29 00-0245 EA 1/2" Conduit Clip.....	6.50	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.41	



Electrical		26
Common Work Results for Electrical		26 05
Hangers and Supports for Electrical Systems		26 05 29

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0246	EA		3/4" Conduit Clip.....	5.50	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.95	
			For >500, Deduct	-1.41	
26 05 29 00-0247	EA		1" Conduit Clip.....	5.41	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.94	
			For >500, Deduct	-1.40	
26 05 29 00-0248	EA		1-1/4" Conduit Clip.....	5.63	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.96	
			For >500, Deduct	-1.42	
26 05 29 00-0249 Bolt And Nut Conduit Clips (26 05 29 00-0196)					
26 05 29 00-0250	EA		3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	6.83	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.44	
			For >50 To 100, Deduct	-0.31	
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-1.18	
			For >500, Deduct	-1.76	
26 05 29 00-0251	EA		1" Bolt And Nut Conduit Clip (Minerallac 2B).....	7.06	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.44	
			For >50 To 100, Deduct	-0.31	
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-1.20	
			For >500, Deduct	-1.78	
26 05 29 00-0252	EA		1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	7.53	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.53	
			For >50 To 100, Deduct	-0.33	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-1.28	
			For >500, Deduct	-1.90	
26 05 29 00-0253	EA		1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	7.66	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.53	
			For >50 To 100, Deduct	-0.33	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-1.29	
			For >500, Deduct	-1.91	
26 05 29 00-0254	EA		2" Bolt And Nut Conduit Clip (Minerallac 5B).....	8.54	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.53	
			For >50 To 100, Deduct	-0.36	
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.35	
			For >500, Deduct	-2.00	
26 05 29 00-0255	EA		2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	9.25	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.61	
			For >50 To 100, Deduct	-0.38	
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.45	
			For >500, Deduct	-2.13	
26 05 29 00-0256	EA		3" Bolt And Nut Conduit Clip (Minerallac 7B).....	10.04	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.61	
			For >50 To 100, Deduct	-0.40	
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.51	
			For >500, Deduct	-2.21	
26 05 29 00-0257	EA		4" Bolt And Nut Conduit Clip (Minerallac 9B).....	18.12	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.78	
			For >50 To 100, Deduct	-0.62	
			For >100 To 250, Deduct	-1.24	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-3.15	
26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0196)					
Note: Bat wing.					
26 05 29 00-0259	EA		1/2", Conduit Hanger From Flange, Wire Or Rod.....	3.98	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.70	
			For >500, Deduct	-1.04	
26 05 29 00-0260	EA		3/4", Conduit Hanger From Flange, Wire Or Rod.....	4.04	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-1.05	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0261	EA	1"	Conduit Hanger From Flange, Wire Or Rod <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.22 0.91 -0.19 -0.37 -0.72 -1.07	
26 05 29 00-0262	EA	1-1/4"	Conduit Hanger From Flange, Wire Or Rod <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.66 0.91 -0.20 -0.39 -0.75 -1.11	
26 05 29 00-0263 Beam Flange Clamps (26 05 29 00-0196) Note: For threaded rod, nut not required.					
26 05 29 00-0264	EA	1/8" To 1/4"	Flange Thickness, Beam Clamp (Caddy 6TA24) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	5.85 -0.23 -0.46 -0.86 -1.26	
26 05 29 00-0265	EA	5/16" To 1/2"	Flange Thickness, Beam Clamp (Caddy 6TA58) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	5.73 -0.23 -0.45 -0.85 -1.25	
26 05 29 00-0266	EA	9/16" To 3/4"	Flange Thickness, Beam Clamp (Caddy 6TA912) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.42 -0.24 -0.49 -0.90 -1.31	
26 05 29 00-0267 T-Bar Support Clips (26 05 29 00-0196)					
26 05 29 00-0268	EA	9/16"	Grid Size, Independent T-Bar Support Clip (Caddy IDS95) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.72 -0.41 -0.82 -1.57 -2.31	
26 05 29 00-0269	EA	15/16"	Grid Size, Independent T-Bar Support Clip (Caddy IDS) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.19 -0.40 -0.80 -1.53 -2.26	
26 05 29 00-0270	EA	15/16"	Grid Size, Twist On T-Bar Support Clip (Caddy 4G16) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.53 -0.13 -0.26 -0.47 -0.69	
26 05 29 00-0271	EA	24"	Long Snap On T-Bar Electrical Box Hanger (Caddy 512) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	29.29 -0.80 -1.60 -2.53 -3.47	
26 05 29 00-0272 Switch And Outlet Box Type Supports (26 05 29 00-0196)					
26 05 29 00-0273	EA	1/4" To 3/4"	Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.23 -0.25 -0.50 -0.88 -1.26	
26 05 29 00-0274	EA	1/2"	Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.11 -0.22 -0.44 -0.79 -1.15	
26 05 29 00-0275	EA	Flush	Riveted Switch And Outlet Box Support (Caddy MFO) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.07 -0.24 -0.49 -0.87 -1.25	
26 05 29 00-0276	EA	Snap On	Switch And Outlet Box Support (Caddy MSF) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.52 -0.18 -0.36 -0.68 -0.99	
26 05 29 00-0277	EA	1/4-20 Thread Impression	Switch And Outlet Box Support (Caddy MFI) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.72 -0.19 -0.37 -0.69 -1.01	



Electrical		26
Common Work Results for Electrical		26 05
Hangers and Supports for Electrical Systems		26 05 29

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0278			Lighting Fixture Hanger (26 05 29 00-0196) Note: For existing or owner furnished fixtures.		
26 05 29 00-0279	EA		Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515).....	6.46	
			For >50 To 100, Deduct	-0.30	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.16	
			For >500, Deduct	-1.72	
26 05 29 00-0280	PR		Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517).....	23.06	
			For >50 To 100, Deduct	-0.71	
			For >100 To 250, Deduct	-1.42	
			For >250 To 500, Deduct	-2.40	
			For >500, Deduct	-3.38	
26 05 29 00-0281	PR		Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	31.78	
			For >50 To 100, Deduct	-0.93	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-4.25	
26 05 29 00-0282			Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0196)		
26 05 29 00-0283	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.82	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.94	
			For >500, Deduct	-1.39	
			For Work In Restricted Working Space, Add	1.21	
26 05 29 00-0284	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.85	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.94	
			For >500, Deduct	-1.39	
			For Work In Restricted Working Space, Add	1.21	
26 05 29 00-0285	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.99	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.95	
			For >500, Deduct	-1.41	
			For Work In Restricted Working Space, Add	1.21	
26 05 29 00-0286	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	7.52	
			For >50 To 100, Deduct	-0.32	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-1.24	
			For >500, Deduct	-1.83	
			For Work In Restricted Working Space, Add	1.61	
26 05 29 00-0287	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.25	
			For >50 To 100, Deduct	-0.34	
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.29	
			For >500, Deduct	-1.90	
			For Work In Restricted Working Space, Add	1.61	
26 05 29 00-0288	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.33	
			For >50 To 100, Deduct	-0.34	
			For >100 To 250, Deduct	-0.69	
			For >250 To 500, Deduct	-1.30	
			For >500, Deduct	-1.91	
			For Work In Restricted Working Space, Add	1.61	
26 05 29 00-0289	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	10.19	
			For >50 To 100, Deduct	-0.42	
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.60	
			For >500, Deduct	-2.36	
			For Work In Restricted Working Space, Add	2.01	
26 05 29 00-0290	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	10.83	
			For >50 To 100, Deduct	-0.44	
			For >100 To 250, Deduct	-0.88	
			For >250 To 500, Deduct	-1.65	
			For >500, Deduct	-2.43	
			For Work In Restricted Working Space, Add	2.01	
26 05 29 00-0291	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	11.46	
			For >50 To 100, Deduct	-0.45	
			For >100 To 250, Deduct	-0.91	
			For >250 To 500, Deduct	-1.70	
			For >500, Deduct	-2.49	
			For Work In Restricted Working Space, Add	2.01	
26 05 29 00-0292	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	11.68	
			For >50 To 100, Deduct	-0.46	
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.71	
			For >500, Deduct	-2.51	
			For Work In Restricted Working Space, Add	2.01	
26 05 29 00-0293			Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel (26 05 29 00-0196)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0294	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.29	
		<i>For >50 To 100, Deduct</i>	-0.26	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.98	
		<i>For >500, Deduct</i>	-1.44	
		<i>For Work In Restricted Working Space, Add</i>	1.21	
26 05 29 00-0295	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.24	
		<i>For >50 To 100, Deduct</i>	-0.26	
		<i>For >100 To 250, Deduct</i>	-0.51	
		<i>For >250 To 500, Deduct</i>	-0.97	
		<i>For >500, Deduct</i>	-1.43	
		<i>For Work In Restricted Working Space, Add</i>	1.21	
26 05 29 00-0296	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.16	
		<i>For >50 To 100, Deduct</i>	-0.25	
		<i>For >100 To 250, Deduct</i>	-0.51	
		<i>For >250 To 500, Deduct</i>	-0.97	
		<i>For >500, Deduct</i>	-1.42	
		<i>For Work In Restricted Working Space, Add</i>	1.21	
26 05 29 00-0297	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	8.10	
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.88	
		<i>For Work In Restricted Working Space, Add</i>	1.61	
26 05 29 00-0298	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	9.37	
		<i>For >50 To 100, Deduct</i>	-0.37	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-1.37	
		<i>For >500, Deduct</i>	-2.01	
		<i>For Work In Restricted Working Space, Add</i>	1.61	
26 05 29 00-0299	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	9.44	
		<i>For >50 To 100, Deduct</i>	-0.37	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-2.02	
		<i>For Work In Restricted Working Space, Add</i>	1.61	
26 05 29 00-0300 "J" Type Conduit Hangers (26 05 29 00-0196)				
26 05 29 00-0301	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205).....	27.71	
		<i>For >50 To 100, Deduct</i>	-0.93	
		<i>For >100 To 250, Deduct</i>	-1.86	
		<i>For >250 To 500, Deduct</i>	-3.25	
		<i>For >500, Deduct</i>	-4.65	
		<i>For Work In Restricted Working Space, Add</i>	2.82	
26 05 29 00-0302	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207).....	28.03	
		<i>For >50 To 100, Deduct</i>	-0.94	
		<i>For >100 To 250, Deduct</i>	-1.87	
		<i>For >250 To 500, Deduct</i>	-3.28	
		<i>For >500, Deduct</i>	-4.68	
		<i>For Work In Restricted Working Space, Add</i>	2.82	
26 05 29 00-0303	EA	1", "J" Type Conduit Hanger (Unistrut J1210).....	29.67	
		<i>For >50 To 100, Deduct</i>	-1.01	
		<i>For >100 To 250, Deduct</i>	-2.02	
		<i>For >250 To 500, Deduct</i>	-3.57	
		<i>For >500, Deduct</i>	-5.12	
		<i>For Work In Restricted Working Space, Add</i>	3.22	
26 05 29 00-0304	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	30.01	
		<i>For >50 To 100, Deduct</i>	-1.02	
		<i>For >100 To 250, Deduct</i>	-2.04	
		<i>For >250 To 500, Deduct</i>	-3.59	
		<i>For >500, Deduct</i>	-5.15	
		<i>For Work In Restricted Working Space, Add</i>	3.22	
26 05 29 00-0305	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	31.58	
		<i>For >50 To 100, Deduct</i>	-1.09	
		<i>For >100 To 250, Deduct</i>	-2.18	
		<i>For >250 To 500, Deduct</i>	-3.88	
		<i>For >500, Deduct</i>	-5.57	
		<i>For Work In Restricted Working Space, Add</i>	3.62	
26 05 29 00-0306	EA	2", "J" Type Conduit Hanger (Unistrut J1220).....	32.88	
		<i>For >50 To 100, Deduct</i>	-1.12	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-3.98	
		<i>For >500, Deduct</i>	-5.70	
		<i>For Work In Restricted Working Space, Add</i>	3.62	
26 05 29 00-0307	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	52.81	
		<i>For >50 To 100, Deduct</i>	-1.66	
		<i>For >100 To 250, Deduct</i>	-3.31	
		<i>For >250 To 500, Deduct</i>	-5.64	
		<i>For >500, Deduct</i>	-7.97	
		<i>For Work In Restricted Working Space, Add</i>	4.03	



Electrical		26
Common Work Results for Electrical		26 05
Hangers and Supports for Electrical Systems		26 05 29

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0308	EA	3", "J" Type Conduit Hanger (Unistrut J1230).....	56.12		
		For >50 To 100, Deduct	-1.77		
		For >100 To 250, Deduct	-3.54		
		For >250 To 500, Deduct	-6.06		
		For >500, Deduct	-8.57		
		For Work In Restricted Working Space, Add	4.43		
26 05 29 00-0309	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	60.40		
		For >50 To 100, Deduct	-1.91		
		For >100 To 250, Deduct	-3.63		
		For >250 To 500, Deduct	-6.54		
		For >500, Deduct	-9.26		
		For Work In Restricted Working Space, Add	4.83		
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240).....	80.56		
		For >50 To 100, Deduct	-2.42		
		For >100 To 250, Deduct	-4.63		
		For >250 To 500, Deduct	-8.06		
		For >500, Deduct	-11.28		
		For Work In Restricted Working Space, Add	4.83		
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250).....	88.52		
		For >50 To 100, Deduct	-2.65		
		For >100 To 250, Deduct	-5.30		
		For >250 To 500, Deduct	-8.82		
		For >500, Deduct	-12.34		
		For Work In Restricted Working Space, Add	5.24		
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260).....	125.01		
		For >50 To 100, Deduct	-3.63		
		For >100 To 250, Deduct	-7.26		
		For >250 To 500, Deduct	-11.89		
		For >500, Deduct	-16.53		
		For Work In Restricted Working Space, Add	6.05		
26 05 29 00-0313 Between Studs Box Brackets (26 05 29 00-0196)					
26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.97		
		For >50 To 100, Deduct	-0.35		
		For >100 To 250, Deduct	-0.70		
		For >250 To 500, Deduct	-1.25		
		For >500, Deduct	-1.80		
		For Work In Restricted Working Space, Add	1.21		
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	12.02		
		For >50 To 100, Deduct	-0.40		
		For >100 To 250, Deduct	-0.80		
		For >250 To 500, Deduct	-1.41		
		For >500, Deduct	-2.01		
		For Work In Restricted Working Space, Add	1.21		
26 05 29 00-0316 Hangers And Brackets (26 05 29 00-0196)					
26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.47		
		For >50 To 100, Deduct	-0.15		
		For >100 To 250, Deduct	-0.31		
		For >250 To 500, Deduct	-0.60		
		For >500, Deduct	-0.89		
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB).....	3.35		
		For >50 To 100, Deduct	-0.15		
		For >100 To 250, Deduct	-0.30		
		For >250 To 500, Deduct	-0.59		
		For >500, Deduct	-0.87		
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO).....	3.35		
		For >50 To 100, Deduct	-0.15		
		For >100 To 250, Deduct	-0.30		
		For >250 To 500, Deduct	-0.59		
		For >500, Deduct	-0.87		
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	4.58		
		For >50 To 100, Deduct	-0.18		
		For >100 To 250, Deduct	-0.36		
		For >250 To 500, Deduct	-0.68		
		For >500, Deduct	-1.00		
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	4.61		
		For >50 To 100, Deduct	-0.18		
		For >100 To 250, Deduct	-0.37		
		For >250 To 500, Deduct	-0.68		
		For >500, Deduct	-1.00		
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	4.47		
		For >50 To 100, Deduct	-0.18		
		For >100 To 250, Deduct	-0.36		
		For >250 To 500, Deduct	-0.67		
		For >500, Deduct	-0.99		
26 05 29 00-0323	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	4.58		
		For >50 To 100, Deduct	-0.18		
		For >100 To 250, Deduct	-0.36		
		For >250 To 500, Deduct	-0.68		
		For >500, Deduct	-1.00		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0324 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	4.61	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.00	
26 05 29 00-0325 Clips And Accessories (26 05 29 00-0196)		
26 05 29 00-0326 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.36	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.57	
26 05 29 00-0327 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.41	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.58	
26 05 29 00-0328 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.60	
26 05 29 00-0329 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32)	2.98	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.63	
26 05 29 00-0330 Wire Ties (26 05 29 00-0196)		
Note: Per hundred (C).		
26 05 29 00-0331 C 3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	33.91	
For Up To 0.1, Add	28.02	
For >0.1 To 0.25, Add	14.01	
For >0.25 To 0.75, Add	7.01	
For >2.0, Deduct	-2.80	
For UV Black, Add	0.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.41	
26 05 29 00-0332 C 4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.14	
For Up To 0.1, Add	28.02	
For >0.1 To 0.25, Add	14.01	
For >0.25 To 0.75, Add	7.01	
For >2.0, Deduct	-2.80	
For UV Black, Add	0.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.41	
26 05 29 00-0333 C 4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.30	
For Up To 0.1, Add	28.02	
For >0.1 To 0.25, Add	14.01	
For >0.25 To 0.75, Add	7.01	
For >2.0, Deduct	-2.80	
For UV Black, Add	0.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.41	
26 05 29 00-0334 C 5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.37	
For Up To 0.1, Add	28.02	
For >0.1 To 0.25, Add	14.01	
For >0.25 To 0.75, Add	7.01	
For >2.0, Deduct	-2.80	
For UV Black, Add	0.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.41	
26 05 29 00-0335 C 6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	35.66	
For Up To 0.1, Add	29.24	
For >0.1 To 0.25, Add	14.62	
For >0.25 To 0.75, Add	7.31	
For >2.0, Deduct	-2.92	
For UV Black, Add	0.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 05 29 00-0336 C 8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	41.96	
For Up To 0.1, Add	30.57	
For >0.1 To 0.25, Add	15.29	
For >0.25 To 0.75, Add	7.64	
For >2.0, Deduct	-3.06	
For UV Black, Add	1.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.17	
26 05 29 00-0337 C 4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	40.23	
For Up To 0.1, Add	28.02	
For >0.1 To 0.25, Add	14.01	
For >0.25 To 0.75, Add	7.01	
For >2.0, Deduct	-2.80	
For UV Black, Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0338	C		6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	41.55	
			For Up To 0.1, Add	29.24	
			For >0.1 To 0.25, Add	14.62	
			For >0.25 To 0.75, Add	7.31	
			For >2.0, Deduct	-2.92	
			For UV Black, Add	1.85	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 05 29 00-0339	C		8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	42.94	
			For Up To 0.1, Add	30.57	
			For >0.1 To 0.25, Add	15.29	
			For >0.25 To 0.75, Add	7.64	
			For >2.0, Deduct	-3.06	
			For UV Black, Add	1.86	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.17	
26 05 29 00-0340	C		10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	61.50	
			For Up To 0.1, Add	32.96	
			For >0.1 To 0.25, Add	16.48	
			For >0.25 To 0.75, Add	8.24	
			For >2.0, Deduct	-3.30	
			For UV Black, Add	4.28	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 05 29 00-0341	C		11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	64.08	
			For Up To 0.1, Add	32.96	
			For >0.1 To 0.25, Add	16.48	
			For >0.25 To 0.75, Add	8.24	
			For >2.0, Deduct	-3.30	
			For UV Black, Add	4.67	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 05 29 00-0342	C		7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	44.75	
			For Up To 0.1, Add	30.57	
			For >0.1 To 0.25, Add	15.29	
			For >0.25 To 0.75, Add	7.64	
			For >2.0, Deduct	-3.06	
			For UV Black, Add	2.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.17	
26 05 29 00-0343	C		8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	42.46	
			For Up To 0.1, Add	30.57	
			For >0.1 To 0.25, Add	15.29	
			For >0.25 To 0.75, Add	7.64	
			For >2.0, Deduct	-3.06	
			For UV Black, Add	1.78	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.17	
26 05 29 00-0344	C		11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	62.21	
			For Up To 0.1, Add	32.96	
			For >0.1 To 0.25, Add	16.48	
			For >0.25 To 0.75, Add	8.24	
			For >2.0, Deduct	-3.30	
			For UV Black, Add	4.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 05 29 00-0345	C		14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	70.99	
			For Up To 0.1, Add	35.03	
			For >0.1 To 0.25, Add	17.52	
			For >0.25 To 0.75, Add	8.76	
			For >2.0, Deduct	-3.50	
			For UV Black, Add	5.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.51	
26 05 29 00-0346	C		8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	69.15	
			For Up To 0.1, Add	30.57	
			For >0.1 To 0.25, Add	15.29	
			For >0.25 To 0.75, Add	7.64	
			For >2.0, Deduct	-3.06	
			For UV Black, Add	5.79	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.17	
26 05 29 00-0347	C		11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	75.67	
			For Up To 0.1, Add	32.96	
			For >0.1 To 0.25, Add	16.48	
			For >0.25 To 0.75, Add	8.24	
			For >2.0, Deduct	-3.30	
			For UV Black, Add	6.41	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 05 29 00-0348	C		15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	91.21	
			For Up To 0.1, Add	35.03	
			For >0.1 To 0.25, Add	17.52	
			For >0.25 To 0.75, Add	8.76	
			For >2.0, Deduct	-3.50	
			For UV Black, Add	8.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.51	
26 05 29 00-0349	C		17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	129.41	
			For Up To 0.1, Add	37.36	
			For >0.1 To 0.25, Add	18.68	
			For >0.25 To 0.75, Add	9.34	
			For >2.0, Deduct	-3.74	
			For UV Black, Add	13.81	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.21	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0350	C		17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	125.48	
			For Up To 0.1, Add	37.36	
			For >0.1 To 0.25, Add	18.68	
			For >0.25 To 0.75, Add	9.34	
			For >2.0, Deduct	-3.74	
			For UV Black, Add	13.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.21	
26 05 29 00-0351	C		21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	152.34	
			For Up To 0.1, Add	39.10	
			For >0.1 To 0.25, Add	19.55	
			For >0.25 To 0.75, Add	9.78	
			For >2.0, Deduct	-3.91	
			For UV Black, Add	16.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.73	
26 05 29 00-0352	C		30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	175.98	
			For Up To 0.1, Add	41.01	
			For >0.1 To 0.25, Add	20.51	
			For >0.25 To 0.75, Add	10.25	
			For >2.0, Deduct	-4.10	
			For UV Black, Add	20.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.30	
26 05 29 00-0353	C		46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	240.35	
			For Up To 0.1, Add	44.24	
			For >0.1 To 0.25, Add	22.12	
			For >0.25 To 0.75, Add	11.06	
			For >2.0, Deduct	-4.42	
			For UV Black, Add	29.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 29 00-0354	C		3/4" x 3/4" Self Adhesive Tie Mounts	44.92	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.61	
26 05 29 00-0355	C		1.1" x 1.1" Tie Mounts With Screw	89.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.22	
26 05 29 00-0356	EA		6" Length x 1/2" Width, Velcro Grip Cable Tie	2.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.20	
26 05 29 00-0357	EA		8" Length x 1/2" Width, Velcro Grip Cable Tie	2.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.17	
26 05 29 00-0358	EA		12" Length x 1/2" Width, Velcro Grip Cable Tie	3.09	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.17	
26 05 29 00-0359	EA		15" Length x 3/4" Width, Velcro Grip Cable Tie	4.33	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.17	
26 05 29 00-0360	EA		180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	110.47	
			Note: Cut to length.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.26	
26 05 29 00-0361			Fastening Devices For Wireway And Conduit (26 05 29)		
			Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.		
26 05 29 00-0362			Toggle Bolts (26 05 29 00-0361)		
			Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0363	EA		1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	10.33	
			For >50 To 100, Deduct	-0.99	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-3.47	
			For >500, Deduct	-4.96	
26 05 29 00-0364	EA		1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.62	
			For >50 To 100, Deduct	-1.02	
			For >100 To 250, Deduct	-2.04	
			For >250 To 500, Deduct	-3.56	
			For >500, Deduct	-5.09	
26 05 29 00-0365	EA		3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	11.14	
			For >50 To 100, Deduct	-1.05	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-3.67	
			For >500, Deduct	-5.23	
26 05 29 00-0366	EA		3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.42	
			For >50 To 100, Deduct	-1.08	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-3.76	
			For >500, Deduct	-5.36	
26 05 29 00-0367	EA		1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.68	
			For >50 To 100, Deduct	-1.10	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-3.84	
			For >500, Deduct	-5.48	
26 05 29 00-0368	EA		5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.06	
			For >50 To 100, Deduct	-1.16	
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-4.02	
			For >500, Deduct	-5.73	
26 05 29 00-0369	EA		3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.55	
			For >50 To 100, Deduct	-1.19	
			For >100 To 250, Deduct	-2.37	
			For >250 To 500, Deduct	-4.12	
			For >500, Deduct	-5.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0370			Machine Screws (26 05 29 00-0361) Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0371	EA		#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.07	
			For >50 To 100, Deduct	-0.30	
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-1.05	
			For >500, Deduct	-1.50	
26 05 29 00-0372	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.11	
			For >50 To 100, Deduct	-0.30	
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-1.05	
			For >500, Deduct	-1.50	
26 05 29 00-0373	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.90	
			For >50 To 100, Deduct	-0.38	
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.32	
			For >500, Deduct	-1.89	
26 05 29 00-0374	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.05	
			For >50 To 100, Deduct	-0.38	
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.33	
			For >500, Deduct	-1.90	
26 05 29 00-0375	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.98	
			For >50 To 100, Deduct	-0.46	
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.60	
			For >500, Deduct	-2.29	
26 05 29 00-0376			Hex Lag Bolts With Lag Shield Expansion Anchors (26 05 29 00-0361) Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0377	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.84	
			For >50 To 100, Deduct	-0.40	
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.39	
			For >500, Deduct	-1.98	
26 05 29 00-0378	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.79	
			For >50 To 100, Deduct	-0.40	
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.39	
			For >500, Deduct	-1.98	
26 05 29 00-0379	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.65	
			For >50 To 100, Deduct	-0.50	
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.73	
			For >500, Deduct	-2.45	
26 05 29 00-0380	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	8.41	
			For >50 To 100, Deduct	-0.60	
			For >100 To 250, Deduct	-1.20	
			For >250 To 500, Deduct	-2.06	
			For >500, Deduct	-2.92	
26 05 29 00-0381			Hanger Lag Bolts With Hex Nuts (26 05 29 00-0361) Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0382	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.64	
			For >50 To 100, Deduct	-0.31	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.09	
			For >500, Deduct	-1.56	
26 05 29 00-0383	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.69	
			For >50 To 100, Deduct	-0.32	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.10	
			For >500, Deduct	-1.56	
26 05 29 00-0384	EA		3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	4.35	
			For >50 To 100, Deduct	-0.36	
			For >100 To 250, Deduct	-0.72	
			For >250 To 500, Deduct	-1.24	
			For >500, Deduct	-1.77	
26 05 29 00-0385			Hollow Wall Screw Anchors (26 05 29 00-0361)		
26 05 29 00-0386	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.15	
			For >50 To 100, Deduct	-0.19	
			For >100 To 250, Deduct	-0.38	
			For >250 To 500, Deduct	-0.65	
			For >500, Deduct	-0.93	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0387 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.21	
For>50 To 100, Deduct	-0.19	
For>100 To 250, Deduct	-0.38	
For>250 To 500, Deduct	-0.66	
For>500, Deduct	-0.94	
26 05 29 00-0388 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.30	
For>50 To 100, Deduct	-0.19	
For>100 To 250, Deduct	-0.38	
For>250 To 500, Deduct	-0.66	
For>500, Deduct	-0.95	
26 05 29 00-0389 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.88	
For>50 To 100, Deduct	-0.23	
For>100 To 250, Deduct	-0.46	
For>250 To 500, Deduct	-0.79	
For>500, Deduct	-1.12	
26 05 29 00-0390 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.01	
For>50 To 100, Deduct	-0.23	
For>100 To 250, Deduct	-0.46	
For>250 To 500, Deduct	-0.80	
For>500, Deduct	-1.13	
26 05 29 00-0391 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.05	
For>50 To 100, Deduct	-0.23	
For>100 To 250, Deduct	-0.46	
For>250 To 500, Deduct	-0.80	
For>500, Deduct	-1.14	
26 05 29 00-0392 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.07	
For>50 To 100, Deduct	-0.23	
For>100 To 250, Deduct	-0.47	
For>250 To 500, Deduct	-0.80	
For>500, Deduct	-1.14	
26 05 29 00-0393 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.25	
For>50 To 100, Deduct	-0.24	
For>100 To 250, Deduct	-0.47	
For>250 To 500, Deduct	-0.82	
For>500, Deduct	-1.16	
26 05 29 00-0394 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.32	
For>50 To 100, Deduct	-0.24	
For>100 To 250, Deduct	-0.48	
For>250 To 500, Deduct	-0.82	
For>500, Deduct	-1.16	
26 05 29 00-0395 Lead Screw Anchors (26 05 29 00-0361)		
Note: Includes screw.		
26 05 29 00-0396 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	5.05	
For>50 To 100, Deduct	-0.47	
For>100 To 250, Deduct	-0.94	
For>250 To 500, Deduct	-1.64	
For>500, Deduct	-2.33	
26 05 29 00-0397 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.99	
For>50 To 100, Deduct	-0.55	
For>100 To 250, Deduct	-1.09	
For>250 To 500, Deduct	-1.90	
For>500, Deduct	-2.72	
26 05 29 00-0398 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	8.04	
For>50 To 100, Deduct	-0.71	
For>100 To 250, Deduct	-1.41	
For>250 To 500, Deduct	-2.45	
For>500, Deduct	-3.50	
26 05 29 00-0399 Acoustical T-Bar Clips (26 05 29 00-0361)		
Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0400 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip	8.51	
For>50 To 100, Deduct	-0.64	
For>100 To 250, Deduct	-1.28	
For>250 To 500, Deduct	-2.21	
For>500, Deduct	-3.14	
26 05 29 00-0401 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip	8.92	
For>50 To 100, Deduct	-0.67	
For>100 To 250, Deduct	-1.35	
For>250 To 500, Deduct	-2.32	
For>500, Deduct	-3.30	
26 05 29 00-0402 EA 1" Conduit, Push-In Acoustical T-Bar Clip	9.72	
For>50 To 100, Deduct	-0.72	
For>100 To 250, Deduct	-1.44	
For>250 To 500, Deduct	-2.48	
For>500, Deduct	-3.51	
26 05 29 00-0403 Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0404 Threaded Rod And Rod Accessories (26 05 29 00-0403)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0405			Carbon Steel Threaded Rod (26 05 29 00-0404) Note: Includes plain finish.		
26 05 29 00-0406	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.90	0.84
			For Galvanized, Add.....	0.88	
			For Zinc Coated, Add.....	0.63	
26 05 29 00-0407	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	5.30	0.90
			For Galvanized, Add.....	1.40	
			For Zinc Coated, Add.....	1.00	
26 05 29 00-0408	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	7.30	0.92
			For Galvanized, Add.....	2.18	
			For Zinc Coated, Add.....	1.55	
26 05 29 00-0409	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	11.80	0.95
			For Galvanized, Add.....	3.96	
			For Zinc Coated, Add.....	2.82	
26 05 29 00-0410	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	12.85	0.99
			For Galvanized, Add.....	4.35	
			For Zinc Coated, Add.....	3.10	
26 05 29 00-0411	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	17.51	1.11
			For Galvanized, Add.....	6.11	
			For Zinc Coated, Add.....	4.35	
26 05 29 00-0412	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	21.74	1.24
			For Galvanized, Add.....	7.70	
			For Zinc Coated, Add.....	5.49	
26 05 29 00-0413			Threaded Rod Couplings (26 05 29 00-0404)		
26 05 29 00-0414	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	10.50	
26 05 29 00-0415	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	11.87	
26 05 29 00-0416	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	14.61	
26 05 29 00-0417	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	17.55	
26 05 29 00-0418	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	24.92	
26 05 29 00-0419	EA		1" Diameter, Threaded Rod Coupling Nut.....	29.53	
26 05 29 00-0420	EA		1-1/8" Diameter, Threaded Rod Coupling Nut.....	54.28	
26 05 29 00-0421			Flat Washers (26 05 29 00-0404)		
26 05 29 00-0422	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.89	0.34
			For Galvanized, Add.....	0.03	
26 05 29 00-0423	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.13	0.34
			For Galvanized, Add.....	0.07	
26 05 29 00-0424	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.44	0.34
			For Galvanized, Add.....	0.14	
26 05 29 00-0425	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.74	0.67
			For Galvanized, Add.....	0.20	
26 05 29 00-0426	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.95	0.67
			For Galvanized, Add.....	0.24	
26 05 29 00-0427	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.30	0.67
			For Galvanized, Add.....	0.30	
26 05 29 00-0428	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.57	0.67
			For Galvanized, Add.....	0.33	
26 05 29 00-0429			Malleable Iron Eye Sockets (26 05 29 00-0404) Note: Type 16.		
26 05 29 00-0430	EA		3/8" Rod Size, Malleable Iron Eye Socket.....	14.01	
26 05 29 00-0431	EA		1/2" Rod Size, Malleable Iron Eye Socket.....	16.84	
26 05 29 00-0432	EA		5/8" Rod Size, Malleable Iron Eye Socket.....	29.92	
26 05 29 00-0433	EA		3/4" Rod Size, Malleable Iron Eye Socket.....	42.97	
26 05 29 00-0434	EA		7/8" Rod Size, Malleable Iron Eye Socket.....	45.70	
26 05 29 00-0435			Hex Nuts (26 05 29 00-0404)		
26 05 29 00-0436	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.87	0.34
			For Galvanized, Add.....	0.03	
26 05 29 00-0437	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.09	0.34
			For Galvanized, Add.....	0.06	
26 05 29 00-0438	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.44	0.34
			For Galvanized, Add.....	0.14	
26 05 29 00-0439	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.69	0.67
			For Galvanized, Add.....	0.19	
26 05 29 00-0440	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.41	0.67
			For Galvanized, Add.....	0.36	
26 05 29 00-0441	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.05	0.67
			For Galvanized, Add.....	0.48	
26 05 29 00-0442	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.89	0.67
			For Galvanized, Add.....	0.91	
26 05 29 00-0443			Forged Steel Turnbuckles (26 05 29 00-0404) Note: Type 13.		
26 05 29 00-0444	EA		3/8" Thread Diameter, Forged Steel Turnbuckle Body.....	33.96	
26 05 29 00-0445	EA		1/2" Thread Diameter, Forged Steel Turnbuckle Body.....	42.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0446 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body	56.95	
26 05 29 00-0447 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body	70.71	
26 05 29 00-0448 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body	177.57	
26 05 29 00-0449 EA 1" Thread Diameter, Forged Steel Turnbuckle Body	116.48	
26 05 29 00-0450 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	237.11	
26 05 29 00-0451 Attachments (26 05 29 00-0403)		
26 05 29 00-0452 Welded Beam Attachments (26 05 29 00-0451)		
Note: Type 22.		
26 05 29 00-0453 EA 3/8" Rod Size, Welded Beam Attachment	62.06	13.43
26 05 29 00-0454 EA 1/2" Rod Size, Welded Beam Attachment	66.24	14.10
26 05 29 00-0455 EA 5/8" Rod Size, Welded Beam Attachment	70.54	14.91
26 05 29 00-0456 EA 3/4" Rod Size, Welded Beam Attachment	90.54	15.85
26 05 29 00-0457 EA 7/8" Rod Size, Welded Beam Attachment	109.00	16.78
26 05 29 00-0458 EA 1" Rod Size, Welded Beam Attachment	153.52	19.21
26 05 29 00-0459 EA 1-1/8" Rod Size, Welded Beam Attachment	218.57	20.15
26 05 29 00-0460 C-Clamp Style Beam Clamps (26 05 29 00-0451)		
Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0461 EA 3/8" Rod Size, C-Clamp Style Beam Clamp	21.12	10.09
26 05 29 00-0462 EA 1/2" Rod Size, C-Clamp Style Beam Clamp	25.38	10.76
26 05 29 00-0463 EA 5/8" Rod Size, C-Clamp Style Beam Clamp	28.91	11.53
26 05 29 00-0464 EA 3/4" Rod Size, C-Clamp Style Beam Clamp	37.50	12.41
26 05 29 00-0465 EA 7/8" Rod Size, C-Clamp Style Beam Clamp	55.08	13.45
26 05 29 00-0466 Bottom Mount I-Beam Clamps (26 05 29 00-0451)		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0467 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	60.21	13.45
26 05 29 00-0468 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	89.21	14.67
26 05 29 00-0469 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	128.16	16.14
26 05 29 00-0470 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	153.59	17.93
26 05 29 00-0471 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	375.20	20.18
26 05 29 00-0472 Steel U-Bolts (26 05 29 00-0451)		
Note: Type 24. Includes plate and nuts.		
26 05 29 00-0473 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt	17.23	8.07
26 05 29 00-0474 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt	18.74	8.50
26 05 29 00-0475 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt	20.19	8.97
26 05 29 00-0476 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	23.05	9.49
26 05 29 00-0477 EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	23.77	10.09
26 05 29 00-0478 EA 2" Pipe Size, Zinc Plated Steel, U-Bolt	25.44	10.76
26 05 29 00-0479 EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	37.22	11.53
26 05 29 00-0480 EA 3" Pipe Size, Zinc Plated Steel, U-Bolt	41.06	12.41
26 05 29 00-0481 EA 4" Pipe Size, Zinc Plated Steel, U-Bolt	49.83	13.45
26 05 29 00-0482 Stainless Steel Threaded Rod (26 05 29 00-0403)		
26 05 29 00-0483 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.60	0.67
For 316 Stainless Steel, Add	0.92	
26 05 29 00-0484 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.34	0.74
For 316 Stainless Steel, Add	1.56	
26 05 29 00-0485 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.84	0.84
For 316 Stainless Steel, Add	2.09	
26 05 29 00-0486 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.40	0.86
For 316 Stainless Steel, Add	3.10	
26 05 29 00-0487 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.23	0.90
For 316 Stainless Steel, Add	3.82	
26 05 29 00-0488 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.70	0.91
For 316 Stainless Steel, Add	6.02	
26 05 29 00-0489 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.26	0.92
For 316 Stainless Steel, Add	8.67	
26 05 29 00-0490 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	31.90	0.95
For 316 Stainless Steel, Add	12.15	
26 05 29 00-0491 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.96	1.11
For 316 Stainless Steel, Add	15.68	
26 05 29 00-0492 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	86.40	1.34
For 316 Stainless Steel, Add	33.86	
26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Supports (26 05 29)		
Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0494 Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0493)		
26 05 29 00-0495 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0494)		
26 05 29 00-0496 EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	69.45	26.86
26 05 29 00-0497 EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.49	29.28
26 05 29 00-0498 EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.71	32.23



Electrical		26
Common Work Results for Electrical		26 05
Hangers and Supports for Electrical Systems		26 05 29

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0499 EA 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	96.36	35.86
26 05 29 00-0500 EA 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	111.15	40.29
26 05 29 00-0501 EA 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	132.37	44.32
26 05 29 00-0502 EA 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	144.73	48.35
26 05 29 00-0503 EA 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	159.25	52.38
26 05 29 00-0504 EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	168.36	56.41
26 05 29 00-0505 EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	181.88	60.44
26 05 29 00-0506 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0494)		
26 05 29 00-0507 EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	74.22	26.86
26 05 29 00-0508 EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	78.73	29.28
26 05 29 00-0509 EA 1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.38	32.23
26 05 29 00-0510 EA 1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.80	35.86
26 05 29 00-0511 EA 1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	112.48	40.29
26 05 29 00-0512 EA 2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	130.09	44.32
26 05 29 00-0513 EA 2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	149.04	48.35
26 05 29 00-0514 EA 3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	164.96	52.38
26 05 29 00-0515 EA 3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	175.54	56.41
26 05 29 00-0516 EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	182.85	60.44
26 05 29 00-0517 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0494)		
26 05 29 00-0518 EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	70.29	26.59
26 05 29 00-0519 EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.65	29.01
26 05 29 00-0520 EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	85.56	32.23
26 05 29 00-0521 EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	100.01	35.46
26 05 29 00-0522 EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	129.37	40.29
26 05 29 00-0523 EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	141.87	44.32
26 05 29 00-0524 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0493)		
26 05 29 00-0525 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0524)		
26 05 29 00-0526 EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.12	0.80
26 05 29 00-0527 EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.81	0.80
26 05 29 00-0528 EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.89	0.80
26 05 29 00-0529 EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.64	0.80
26 05 29 00-0530 EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.55	0.80
26 05 29 00-0531 EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.79	0.80
26 05 29 00-0532 EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	40.97	0.80
26 05 29 00-0533 EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	54.83	0.80
26 05 29 00-0534 EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	96.93	0.80
26 05 29 00-0535 EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	103.01	0.80
26 05 29 00-0536 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0524)		
26 05 29 00-0537 EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.03	1.61
26 05 29 00-0538 EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.10	1.61
26 05 29 00-0539 EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.51	1.61
26 05 29 00-0540 EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.70	1.61
26 05 29 00-0541 EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.28	1.61
26 05 29 00-0542 EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.37	1.61
26 05 29 00-0543 EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.37	1.61
26 05 29 00-0544 EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.61	1.61
26 05 29 00-0545 EA 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.54	1.61
26 05 29 00-0546 EA 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	33.10	1.61
26 05 29 00-0547 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0493)		
26 05 29 00-0548 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0547)		
26 05 29 00-0549 EA 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.56	1.61
26 05 29 00-0550 EA 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	16.90	1.61
26 05 29 00-0551 EA 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	21.19	1.61
26 05 29 00-0552 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	24.74	1.61
26 05 29 00-0553 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	33.03	1.61
26 05 29 00-0554 EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	58.53	1.61
26 05 29 00-0555 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	80.75	1.61
26 05 29 00-0556 EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	110.18	1.61
26 05 29 00-0557 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	192.66	1.61
26 05 29 00-0558 EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	192.66	1.61
26 05 29 00-0559 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0493)		
26 05 29 00-0560 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0559)		
26 05 29 00-0561 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	10.03	1.07
26 05 29 00-0562 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	12.32	1.21

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0563		Attachments (26 05 29 00-0493)		
26 05 29 00-0564		Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0563)		
26 05 29 00-0565	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	20.51	8.07
26 05 29 00-0566	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	21.22	8.47
26 05 29 00-0567	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.34	9.01
26 05 29 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	23.77	9.55
26 05 29 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	25.31	10.09
26 05 29 00-0570	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	28.36	10.76
26 05 29 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	40.28	11.57
26 05 29 00-0572	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	42.30	12.37
26 05 29 00-0573	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	45.13	13.45
26 05 29 00-0574	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	72.53	15.33
26 05 29 00-0575	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	89.70	17.75
26 05 29 00-0576		Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0563)		
26 05 29 00-0577	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	71.00	26.59
26 05 29 00-0578	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	82.34	26.59
26 05 29 00-0579	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	87.02	26.59
26 05 29 00-0580	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	95.82	28.21
26 05 29 00-0581	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	112.08	32.23
26 05 29 00-0582		Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0563)		
Note: Includes stainless steel nuts and bolts.				
26 05 29 00-0583	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	25.96	8.87
26 05 29 00-0584	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	27.33	9.67
26 05 29 00-0585	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	29.77	10.48
26 05 29 00-0586	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	33.54	12.08
26 05 29 00-0587	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	38.38	13.70
26 05 29 00-0588	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	42.62	14.51
26 05 29 00-0589	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	47.09	16.11
26 05 29 00-0590	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	55.90	17.73
26 05 29 00-0591	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	61.05	18.54
26 05 29 00-0592	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	64.20	20.15
26 05 29 00-0593	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	68.69	22.57
26 05 29 00-0594		Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0493)		
26 05 29 00-0595	LF	A12, Polyvinyl Chloride (PVC) Coated Channel.....	26.49	4.03
26 05 29 00-0596	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel.....	46.78	5.64
26 05 29 00-0597	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel.....	28.26	4.03
26 05 29 00-0598	LF	C14, Polyvinyl Chloride (PVC) Coated Channel.....	21.04	4.03
26 05 29 00-0599	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel.....	22.14	4.03
26 05 29 00-0600		Polymer Concrete Pads (26 05 29)		
Note: Excludes excavation and backfill.				
26 05 29 00-0601		Polymer Concrete, Box Pads (26 05 29 00-0600)		
26 05 29 00-0602	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,417.97	131.82
26 05 29 00-0603	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	1,465.66	131.82
26 05 29 00-0604	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,903.97	131.82
26 05 29 00-0605	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,976.65	131.82
26 05 29 00-0606	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,836.32	131.82
26 05 29 00-0607	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	2,179.52	131.82
26 05 29 00-0608	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	2,442.68	131.82
26 05 29 00-0609	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	2,336.47	164.77
26 05 29 00-0610	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	3,566.03	164.77
26 05 29 00-0611	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	4,801.67	164.77
26 05 29 00-0612		Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0600)		
26 05 29 00-0613	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	679.40	69.89
26 05 29 00-0614	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	809.70	69.89
26 05 29 00-0615	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,051.93	98.86
26 05 29 00-0616	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,100.36	98.86
26 05 29 00-0617	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,593.33	98.86
26 05 29 00-0618	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,661.85	98.86
26 05 29 00-0619	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,789.52	98.86
26 05 29 00-0620	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,789.52	98.86
26 05 29 00-0621	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	3,393.42	98.86
26 05 29 00-0622	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	3,851.08	98.86
26 05 29 00-0623		Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0600)		
26 05 29 00-0624	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	403.43	69.89
26 05 29 00-0625	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	436.92	69.89
26 05 29 00-0626	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	467.44	69.89



Electrical		26
Common Work Results for Electrical		26 05
Hangers and Supports for Electrical Systems		26 05 29

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0627 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	568.79	69.89
26 05 29 00-0628 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	523.56	69.89
26 05 29 00-0629 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	544.88	69.89
26 05 29 00-0630 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	600.13	69.89
26 05 29 00-0631 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	632.36	69.89
26 05 29 00-0632 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	740.01	69.89
26 05 29 00-0633 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	917.32	69.89
26 05 29 00-0634 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,355.84	98.86
26 05 29 00-0635 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,420.64	98.86
26 05 29 00-0636 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,441.09	98.86
26 05 29 00-0637 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,577.33	98.86
26 05 29 00-0638 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,399.57	98.86
26 05 29 00-0639 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,009.94	98.86

26 05 33 Raceway and Boxes for Electrical Systems (26 05)

26 05 33 13 Conduit for Electrical Systems (26 05 33)

26 05 33 13-0001 Conduit Assemblies With Wire (26 05 33 13)

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conductor, 26 05 33 13-0594 for larger EMT conduit.

26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,011.20	299.91
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	257.11	
For 2 #12 THWN Conductor Instead Of THHN, Add	2.33	
26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,108.10	325.68
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	279.20	
For 3 #12 THWN Conductor Instead Of THHN, Add	3.49	
26 05 33 13-0005 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,204.99	351.45
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	301.28	
For 4 #12 THWN Conductor Instead Of THHN, Add	4.65	
26 05 33 13-0006 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,071.39	312.79
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	268.15	
For 2 #10 THWN Conductor Instead Of THHN, Add	3.49	
26 05 33 13-0007 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,192.25	342.86
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	293.92	
For 3 #10 THWN Conductor Instead Of THHN, Add	5.23	
26 05 33 13-0008 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,313.11	372.93
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	319.69	
For 4 #10 THWN Conductor Instead Of THHN, Add	6.98	
26 05 33 13-0009 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,208.49	338.56
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	290.24	
For 2 #8 THWN Conductor Instead Of THHN, Add	6.09	
26 05 33 13-0010 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,122.16	323.34
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	277.13	
For 2 #12 THWN Conductor Instead Of THHN, Add	2.33	
26 05 33 13-0011 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,219.06	349.11
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	299.22	
For 3 #12 THWN Conductor Instead Of THHN, Add	3.49	
26 05 33 13-0012 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,315.97	374.88
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	321.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,412.87 343.40 5.82	400.65
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,182.35 288.17 3.49	336.23
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,303.22 313.94 5.23	366.29
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,424.09 339.72 6.98	396.36
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,544.95 365.49 8.72	426.42
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,490.76 343.40 9.13	400.65
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,662.06 376.53 12.17	439.31
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,498.50 332.35 10.06	387.77
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,734.10 372.85 15.09	435.01
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,276.60 298.34 2.33	348.01
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,373.50 320.42 3.49	373.78
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	1,470.41 342.51	399.55
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,567.31 364.60 5.82	425.32
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,336.80 309.38 3.49	360.90



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,457.66 335.15 5.23	390.96
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,578.53 360.92 6.98	421.03
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,699.39 386.69 8.72	451.09
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,645.20 364.60 9.13	425.32
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,888.54 394.05 15.09	459.68
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	2,124.14 434.55 20.12	506.92
26 05 33 13-0033		Rigid Galvanized Steel (RGS) Conduit Assemblies (26 05 33 13-0001) Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conductor, 26 05 33 13-0060 for larger RGS conduit.		
26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,313.44 292.59 2.33	341.38
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,410.34 314.68 3.49	367.15
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,373.63 303.64 3.49	354.27
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,494.50 329.41 5.23	384.33
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,510.74 325.73 6.09	380.04
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,440.91 312.03 2.33	364.09
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,537.81 334.12 3.49	389.85
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,634.70 356.21	415.62
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,501.10 323.08 3.49	376.98

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,621.96 348.85 5.23	407.03
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,742.83 374.62 6.98	437.10
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,809.49 378.29 9.13	441.39
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,980.79 411.43 12.17	480.05
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,817.24 367.25 10.06	428.51
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,052.84 407.75 15.09	475.75
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,847.51 372.66 3.49	434.77
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,944.42 394.75	460.54
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	2,041.32 416.84 5.82	486.31
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,931.67 387.39 5.23	451.95
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	2,052.53 413.16 6.98	482.02
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	2,173.39 438.93 8.72	512.08
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	2,119.21 416.84 9.13	486.31
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,362.55 446.29 15.09	520.67
26 05 33 13-0057	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	2,598.14 486.78 20.12	567.91
26 05 33 13-0058		Conduit ^(26 05 33 13) Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0059		Conduit Installed Above Grade ^(26 05 33 13-0058) See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0060		Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit ^(26 05 33 13-0059) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0061		Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling (26 05 33 13-0060) Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2508 for field bending >1".		
26 05 33 13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.31	2.70
		For >250 To 500, Deduct	-0.13	
		For >500 To 1,000, Deduct	-0.53	
		For >1,000, Deduct	-0.76	
		For Installation In Metal Stud Wall, Add	0.68	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.69	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.01	
		For Work In Restricted Working Space, Add	2.03	
		For Elevated Installation >10' To 15', Add	0.68	
		For Elevated Installation >15' To 20', Add	1.35	
		For Elevated Installation >20' To 25', Add	1.69	
		For Elevated Installation >25' To 30', Add	2.36	
		For Elevated Installation >30' To 35', Add	2.70	
		For Elevated Installation >35' To 40', Add	3.38	
		For Elevated Installation >40', Add	3.71	
26 05 33 13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.02	2.95
		For >250 To 500, Deduct	-0.16	
		For >500 To 1,000, Deduct	-0.63	
		For >1,000, Deduct	-0.91	
		For Installation In Metal Stud Wall, Add	0.79	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.97	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.18	
		For Work In Restricted Working Space, Add	2.36	
		For Elevated Installation >10' To 15', Add	0.79	
		For Elevated Installation >15' To 20', Add	1.57	
		For Elevated Installation >20' To 25', Add	1.97	
		For Elevated Installation >25' To 30', Add	2.75	
		For Elevated Installation >30' To 35', Add	3.14	
		For Elevated Installation >35' To 40', Add	3.93	
		For Elevated Installation >40', Add	4.32	
26 05 33 13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.43	3.44
		For >250 To 500, Deduct	-0.24	
		For >500 To 1,000, Deduct	-0.89	
		For >1,000, Deduct	-1.28	
		For Installation In Metal Stud Wall, Add	1.06	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.64	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.58	
		For Work In Restricted Working Space, Add	3.17	
		For Elevated Installation >10' To 15', Add	1.06	
		For Elevated Installation >15' To 20', Add	2.11	
		For Elevated Installation >20' To 25', Add	2.64	
		For Elevated Installation >25' To 30', Add	3.69	
		For Elevated Installation >30' To 35', Add	4.22	
		For Elevated Installation >35' To 40', Add	5.28	
		For Elevated Installation >40', Add	5.80	
26 05 33 13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.68	3.93
		For >250 To 500, Deduct	-0.33	
		For >500 To 1,000, Deduct	-1.05	
		For >1,000, Deduct	-1.49	
		For Installation In Metal Stud Wall, Add	1.12	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.79	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.68	
		For Work In Restricted Working Space, Add	3.35	
		For Elevated Installation >10' To 15', Add	1.12	
		For Elevated Installation >15' To 20', Add	2.23	
		For Elevated Installation >20' To 25', Add	2.79	
		For Elevated Installation >25' To 30', Add	3.91	
		For Elevated Installation >30' To 35', Add	4.47	
		For Elevated Installation >35' To 40', Add	5.59	
		For Elevated Installation >40', Add	6.14	
26 05 33 13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	20.25	4.42
		For >250 To 500, Deduct	-0.40	
		For >500 To 1,000, Deduct	-1.21	
		For >1,000, Deduct	-1.72	
		For Installation In Metal Stud Wall, Add	1.23	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.07	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.84	
		For Work In Restricted Working Space, Add	3.68	
		For Elevated Installation >10' To 15', Add	1.23	
		For Elevated Installation >15' To 20', Add	2.45	
		For Elevated Installation >20' To 25', Add	3.07	
		For Elevated Installation >25' To 30', Add	4.29	
		For Elevated Installation >30' To 35', Add	4.91	
		For Elevated Installation >35' To 40', Add	6.14	
		For Elevated Installation >40', Add	6.75	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	25.76	5.40
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-1.55	
For >1,000, Deduct	-2.20	
For Installation In Metal Stud Wall, Add	1.51	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.77	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	2.26	
For Work In Restricted Working Space, Add	4.53	
For Elevated Installation >10' To 15', Add	1.51	
For Elevated Installation >15' To 20', Add	3.02	
For Elevated Installation >20' To 25', Add	3.77	
For Elevated Installation >25' To 30', Add	5.28	
For Elevated Installation >30' To 35', Add	6.04	
For Elevated Installation >35' To 40', Add	7.55	
For Elevated Installation >40', Add	8.30	
26 05 33 13-0068 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	38.18	7.37
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-2.35	
For >1,000, Deduct	-3.31	
For Installation In Metal Stud Wall, Add	2.05	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.13	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	3.08	
For Work In Restricted Working Space, Add	6.15	
For Elevated Installation >10' To 15', Add	2.05	
For Elevated Installation >15' To 20', Add	4.10	
For Elevated Installation >20' To 25', Add	5.13	
For Elevated Installation >25' To 30', Add	7.18	
For Elevated Installation >30' To 35', Add	8.20	
For Elevated Installation >35' To 40', Add	10.25	
For Elevated Installation >40', Add	11.28	
26 05 33 13-0069 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	50.11	9.81
For >250 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-3.07	
For >1,000, Deduct	-4.32	
For Installation In Metal Stud Wall, Add	2.76	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.90	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	4.14	
For Work In Restricted Working Space, Add	8.28	
For Elevated Installation >10' To 15', Add	2.76	
For Elevated Installation >15' To 20', Add	5.52	
For Elevated Installation >20' To 25', Add	6.90	
For Elevated Installation >25' To 30', Add	9.66	
For Elevated Installation >30' To 35', Add	11.04	
For Elevated Installation >35' To 40', Add	13.81	
For Elevated Installation >40', Add	15.19	
26 05 33 13-0070 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	60.22	12.27
For >250 To 500, Deduct	-1.37	
For >500 To 1,000, Deduct	-3.70	
For >1,000, Deduct	-5.20	
For Installation In Metal Stud Wall, Add	3.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	8.19	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	4.92	
For Work In Restricted Working Space, Add	9.83	
For Elevated Installation >10' To 15', Add	3.28	
For Elevated Installation >15' To 20', Add	6.55	
For Elevated Installation >20' To 25', Add	8.19	
For Elevated Installation >25' To 30', Add	11.47	
For Elevated Installation >30' To 35', Add	13.11	
For Elevated Installation >35' To 40', Add	16.39	
For Elevated Installation >40', Add	18.02	
26 05 33 13-0071 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	71.33	14.72
For >250 To 500, Deduct	-1.68	
For >500 To 1,000, Deduct	-4.40	
For >1,000, Deduct	-6.19	
For Installation In Metal Stud Wall, Add	3.78	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.45	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	5.67	
For Work In Restricted Working Space, Add	11.34	
For Elevated Installation >10' To 15', Add	3.78	
For Elevated Installation >15' To 20', Add	7.56	
For Elevated Installation >20' To 25', Add	9.45	
For Elevated Installation >25' To 30', Add	13.23	
For Elevated Installation >30' To 35', Add	15.12	
For Elevated Installation >35' To 40', Add	18.90	
For Elevated Installation >40', Add	20.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0072	LF	5"	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	111.36 -3.24 -7.19 -9.97 4.66 11.66 6.99 13.99 4.66 9.33 11.66 16.32 18.65 23.32 25.65	18.65
26 05 33 13-0073	LF	6"	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	149.90 -4.55 -9.77 -13.52 5.89 14.73 8.84 17.67 5.89 11.78 14.73 20.62 23.56 29.46 32.40	23.56
26 05 33 13-0074			Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow (26 05 33 13-0060) See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0075	EA	2"	Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	100.51 20.32 6.77 13.55 16.93 23.71 27.09 33.87 37.25	27.12
26 05 33 13-0076	EA	2-1/2"	Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	143.07 25.40 8.47 16.93 21.17 29.63 33.86 42.33 46.56	33.87
26 05 33 13-0077	EA	3"	Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	202.30 34.60 11.53 23.07 28.83 40.37 46.13 57.67 63.43	46.14
26 05 33 13-0078	EA	3-1/2"	Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	266.05 39.03 13.01 26.02 32.52 45.53 52.04 65.05 71.55	52.03
26 05 33 13-0079	EA	4"	Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	326.00 50.79 16.93 33.86 42.33 59.26 67.72 84.66 93.12	67.74

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 533.21		110.44
For Work In Restricted Working Space, Add	82.83	
For Elevated Installation >10' To 15', Add	27.61	
For Elevated Installation >15' To 20', Add	55.22	
For Elevated Installation >20' To 25', Add	69.03	
For Elevated Installation >25' To 30', Add	96.64	
For Elevated Installation >30' To 35', Add	110.44	
For Elevated Installation >35' To 40', Add	138.06	
For Elevated Installation >40', Add	151.86	
26 05 33 13-0081 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 801.58		165.91
For Work In Restricted Working Space, Add	124.42	
For Elevated Installation >10' To 15', Add	41.47	
For Elevated Installation >15' To 20', Add	82.95	
For Elevated Installation >20' To 25', Add	103.68	
For Elevated Installation >25' To 30', Add	145.16	
For Elevated Installation >30' To 35', Add	165.89	
For Elevated Installation >35' To 40', Add	207.37	
For Elevated Installation >40', Add	228.10	
26 05 33 13-0082 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow (26 05 33 13-0060)		
See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0083 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 36.23		12.15
For Work In Restricted Working Space, Add	9.14	
For Elevated Installation >10' To 15', Add	3.05	
For Elevated Installation >15' To 20', Add	6.09	
For Elevated Installation >20' To 25', Add	7.62	
For Elevated Installation >25' To 30', Add	10.66	
For Elevated Installation >30' To 35', Add	12.19	
For Elevated Installation >35' To 40', Add	15.24	
For Elevated Installation >40', Add	16.76	
26 05 33 13-0084 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 45.48		15.09
For Work In Restricted Working Space, Add	11.36	
For Elevated Installation >10' To 15', Add	3.79	
For Elevated Installation >15' To 20', Add	7.58	
For Elevated Installation >20' To 25', Add	9.47	
For Elevated Installation >25' To 30', Add	13.26	
For Elevated Installation >30' To 35', Add	15.15	
For Elevated Installation >35' To 40', Add	18.94	
For Elevated Installation >40', Add	20.83	
26 05 33 13-0085 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 57.89		18.53
For Work In Restricted Working Space, Add	13.86	
For Elevated Installation >10' To 15', Add	4.62	
For Elevated Installation >15' To 20', Add	9.24	
For Elevated Installation >20' To 25', Add	11.55	
For Elevated Installation >25' To 30', Add	16.17	
For Elevated Installation >30' To 35', Add	18.48	
For Elevated Installation >35' To 40', Add	23.10	
For Elevated Installation >40', Add	25.41	
26 05 33 13-0086 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 73.63		21.48
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.73	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.46	
For Elevated Installation >35' To 40', Add	26.82	
For Elevated Installation >40', Add	29.50	
26 05 33 13-0087 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 85.42		24.67
For Work In Restricted Working Space, Add	18.47	
For Elevated Installation >10' To 15', Add	6.16	
For Elevated Installation >15' To 20', Add	12.31	
For Elevated Installation >20' To 25', Add	15.39	
For Elevated Installation >25' To 30', Add	21.55	
For Elevated Installation >30' To 35', Add	24.63	
For Elevated Installation >35' To 40', Add	30.79	
For Elevated Installation >40', Add	33.86	
26 05 33 13-0088 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 100.51		27.12
For Work In Restricted Working Space, Add	20.32	
For Elevated Installation >10' To 15', Add	6.77	
For Elevated Installation >15' To 20', Add	13.55	
For Elevated Installation >20' To 25', Add	16.93	
For Elevated Installation >25' To 30', Add	23.71	
For Elevated Installation >30' To 35', Add	27.09	
For Elevated Installation >35' To 40', Add	33.87	
For Elevated Installation >40', Add	37.25	
26 05 33 13-0089 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 140.70		33.87
For Work In Restricted Working Space, Add	25.40	
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.93	
For Elevated Installation >20' To 25', Add	21.17	
For Elevated Installation >25' To 30', Add	29.63	
For Elevated Installation >30' To 35', Add	33.86	
For Elevated Installation >35' To 40', Add	42.33	
For Elevated Installation >40', Add	46.56	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0090 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	193.06 34.60 11.53 23.07 28.83 40.37 46.13 57.67 63.43	46.14
26 05 33 13-0091 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	253.06 39.03 13.01 26.02 32.52 45.53 52.04 65.05 71.55	52.03
26 05 33 13-0092 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	308.72 50.79 16.93 33.86 42.33 59.26 67.72 84.66 93.12	67.74
26 05 33 13-0093 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	533.21 82.83 27.61 55.22 69.03 96.64 110.44 138.06 151.86	110.44
26 05 33 13-0094 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	801.58 124.42 41.47 82.95 103.68 145.16 165.89 207.37 228.10	165.91
26 05 33 13-0095 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0060) See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0096 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	88.46 18.19 6.06 12.12 15.16 21.22 24.25 30.31 33.34	30.31
26 05 33 13-0097 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	101.97 21.06 7.02 14.04 17.55 24.57 28.08 35.10 38.60	35.10
26 05 33 13-0098 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	117.83 23.93 7.98 15.95 19.94 27.92 31.90 39.88 43.87	39.88
26 05 33 13-0099 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	132.60 26.32 8.77 17.55 21.94 30.71 35.10 43.87 48.26	43.87

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 33 13-0100	Rigid Galvanized Steel (RGS) 15" Large Radius Elbow (26 05 33 13-0060) See CSI section 26 05 33 13-2508 for conduit field bending.				
26 05 33 13-0101	EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	95.69 18.19 6.06 12.12 15.16 21.22 24.25 30.31 33.34		30.31	
26 05 33 13-0102	EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	111.25 21.06 7.02 14.04 17.55 24.57 28.08 35.10 38.60		35.10	
26 05 33 13-0103	EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	122.06 23.93 7.98 15.95 19.94 27.92 31.90 39.88 43.87		39.88	
26 05 33 13-0104	EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	137.32 26.32 8.77 17.55 21.94 30.71 35.10 43.87 48.26		43.87	
26 05 33 13-0105	EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	182.03 33.02 11.01 22.01 27.52 38.52 44.03 55.04 60.54		55.04	
26 05 33 13-0106	EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	245.12 44.99 15.00 29.99 37.49 52.48 59.98 74.98 82.47		74.97	
26 05 33 13-0107	Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0060) See CSI section 26 05 33 13-2508 for conduit field bending.				
26 05 33 13-0108	EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	96.03 18.19 6.06 12.12 15.16 21.22 24.25 30.31 33.34		30.31	
26 05 33 13-0109	EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	110.34 21.06 7.02 14.04 17.55 24.57 28.08 35.10 38.60		35.10	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0110 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	126.63	39.88
For Work In Restricted Working Space, Add	23.93	
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	
26 05 33 13-0111 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	147.55	43.87
For Work In Restricted Working Space, Add	26.32	
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
26 05 33 13-0112 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	191.56	55.04
For Work In Restricted Working Space, Add	33.02	
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.03	
For Elevated Installation >35' To 40', Add	55.04	
For Elevated Installation >40', Add	60.54	
26 05 33 13-0113 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	252.81	74.97
For Work In Restricted Working Space, Add	44.99	
For Elevated Installation >10' To 15', Add	15.00	
For Elevated Installation >15' To 20', Add	29.99	
For Elevated Installation >20' To 25', Add	37.49	
For Elevated Installation >25' To 30', Add	52.48	
For Elevated Installation >30' To 35', Add	59.98	
For Elevated Installation >35' To 40', Add	74.98	
For Elevated Installation >40', Add	82.47	
26 05 33 13-0114 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	314.49	84.54
For Work In Restricted Working Space, Add	50.73	
For Elevated Installation >10' To 15', Add	16.91	
For Elevated Installation >15' To 20', Add	33.82	
For Elevated Installation >20' To 25', Add	42.28	
For Elevated Installation >25' To 30', Add	59.19	
For Elevated Installation >30' To 35', Add	67.64	
For Elevated Installation >35' To 40', Add	84.55	
For Elevated Installation >40', Add	93.01	
26 05 33 13-0115 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	382.60	110.07
For Work In Restricted Working Space, Add	66.05	
For Elevated Installation >10' To 15', Add	22.02	
For Elevated Installation >15' To 20', Add	44.03	
For Elevated Installation >20' To 25', Add	55.04	
For Elevated Installation >25' To 30', Add	77.05	
For Elevated Installation >30' To 35', Add	88.06	
For Elevated Installation >35' To 40', Add	110.08	
For Elevated Installation >40', Add	121.08	
26 05 33 13-0116 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0060)		
See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0117 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	107.54	30.31
For Work In Restricted Working Space, Add	18.19	
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
26 05 33 13-0118 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	121.63	35.10
For Work In Restricted Working Space, Add	21.06	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
26 05 33 13-0119 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	135.09	39.88
For Work In Restricted Working Space, Add	23.93	
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0120	EA		2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 160.02		43.87
			<i>For Work In Restricted Working Space, Add</i>	26.32	
			<i>For Elevated Installation >10' To 15', Add</i>	8.77	
			<i>For Elevated Installation >15' To 20', Add</i>	17.55	
			<i>For Elevated Installation >20' To 25', Add</i>	21.94	
			<i>For Elevated Installation >25' To 30', Add</i>	30.71	
			<i>For Elevated Installation >30' To 35', Add</i>	35.10	
			<i>For Elevated Installation >35' To 40', Add</i>	43.87	
			<i>For Elevated Installation >40', Add</i>	48.26	
26 05 33 13-0121	EA		2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 208.57		55.04
			<i>For Work In Restricted Working Space, Add</i>	33.02	
			<i>For Elevated Installation >10' To 15', Add</i>	11.01	
			<i>For Elevated Installation >15' To 20', Add</i>	22.01	
			<i>For Elevated Installation >20' To 25', Add</i>	27.52	
			<i>For Elevated Installation >25' To 30', Add</i>	38.52	
			<i>For Elevated Installation >30' To 35', Add</i>	44.03	
			<i>For Elevated Installation >35' To 40', Add</i>	55.04	
			<i>For Elevated Installation >40', Add</i>	60.54	
26 05 33 13-0122	EA		3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 279.47		74.97
			<i>For Work In Restricted Working Space, Add</i>	44.99	
			<i>For Elevated Installation >10' To 15', Add</i>	15.00	
			<i>For Elevated Installation >15' To 20', Add</i>	29.99	
			<i>For Elevated Installation >20' To 25', Add</i>	37.49	
			<i>For Elevated Installation >25' To 30', Add</i>	52.48	
			<i>For Elevated Installation >30' To 35', Add</i>	59.98	
			<i>For Elevated Installation >35' To 40', Add</i>	74.98	
			<i>For Elevated Installation >40', Add</i>	82.47	
26 05 33 13-0123	EA		3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 340.41		84.54
			<i>For Work In Restricted Working Space, Add</i>	50.73	
			<i>For Elevated Installation >10' To 15', Add</i>	16.91	
			<i>For Elevated Installation >15' To 20', Add</i>	33.82	
			<i>For Elevated Installation >20' To 25', Add</i>	42.28	
			<i>For Elevated Installation >25' To 30', Add</i>	59.19	
			<i>For Elevated Installation >30' To 35', Add</i>	67.64	
			<i>For Elevated Installation >35' To 40', Add</i>	84.55	
			<i>For Elevated Installation >40', Add</i>	93.01	
26 05 33 13-0124	EA		4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 403.27		110.07
			<i>For Work In Restricted Working Space, Add</i>	66.05	
			<i>For Elevated Installation >10' To 15', Add</i>	22.02	
			<i>For Elevated Installation >15' To 20', Add</i>	44.03	
			<i>For Elevated Installation >20' To 25', Add</i>	55.04	
			<i>For Elevated Installation >25' To 30', Add</i>	77.05	
			<i>For Elevated Installation >30' To 35', Add</i>	88.06	
			<i>For Elevated Installation >35' To 40', Add</i>	110.08	
			<i>For Elevated Installation >40', Add</i>	121.08	
26 05 33 13-0125			Rigid Galvanized Steel (RGS) 30" Large Radius Elbow (26 05 33 13-0060)		
			See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0126	EA		1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow 106.84		30.31
			<i>For Work In Restricted Working Space, Add</i>	18.19	
			<i>For Elevated Installation >10' To 15', Add</i>	6.06	
			<i>For Elevated Installation >15' To 20', Add</i>	12.12	
			<i>For Elevated Installation >20' To 25', Add</i>	15.16	
			<i>For Elevated Installation >25' To 30', Add</i>	21.22	
			<i>For Elevated Installation >30' To 35', Add</i>	24.25	
			<i>For Elevated Installation >35' To 40', Add</i>	30.31	
			<i>For Elevated Installation >40', Add</i>	33.34	
26 05 33 13-0127	EA		1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow 130.03		35.10
			<i>For Work In Restricted Working Space, Add</i>	21.06	
			<i>For Elevated Installation >10' To 15', Add</i>	7.02	
			<i>For Elevated Installation >15' To 20', Add</i>	14.04	
			<i>For Elevated Installation >20' To 25', Add</i>	17.55	
			<i>For Elevated Installation >25' To 30', Add</i>	24.57	
			<i>For Elevated Installation >30' To 35', Add</i>	28.08	
			<i>For Elevated Installation >35' To 40', Add</i>	35.10	
			<i>For Elevated Installation >40', Add</i>	38.60	
26 05 33 13-0128	EA		1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow 144.19		39.88
			<i>For Work In Restricted Working Space, Add</i>	23.93	
			<i>For Elevated Installation >10' To 15', Add</i>	7.98	
			<i>For Elevated Installation >15' To 20', Add</i>	15.95	
			<i>For Elevated Installation >20' To 25', Add</i>	19.94	
			<i>For Elevated Installation >25' To 30', Add</i>	27.92	
			<i>For Elevated Installation >30' To 35', Add</i>	31.90	
			<i>For Elevated Installation >35' To 40', Add</i>	39.88	
			<i>For Elevated Installation >40', Add</i>	43.87	
26 05 33 13-0129	EA		2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow 171.91		43.87
			<i>For Work In Restricted Working Space, Add</i>	26.32	
			<i>For Elevated Installation >10' To 15', Add</i>	8.77	
			<i>For Elevated Installation >15' To 20', Add</i>	17.55	
			<i>For Elevated Installation >20' To 25', Add</i>	21.94	
			<i>For Elevated Installation >25' To 30', Add</i>	30.71	
			<i>For Elevated Installation >30' To 35', Add</i>	35.10	
			<i>For Elevated Installation >35' To 40', Add</i>	43.87	
			<i>For Elevated Installation >40', Add</i>	48.26	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0130 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	224.89	55.04
For Work In Restricted Working Space, Add	33.02	
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.03	
For Elevated Installation >35' To 40', Add	55.04	
For Elevated Installation >40', Add	60.54	
26 05 33 13-0131 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	300.53	74.97
For Work In Restricted Working Space, Add	44.99	
For Elevated Installation >10' To 15', Add	15.00	
For Elevated Installation >15' To 20', Add	29.99	
For Elevated Installation >20' To 25', Add	37.49	
For Elevated Installation >25' To 30', Add	52.48	
For Elevated Installation >30' To 35', Add	59.98	
For Elevated Installation >35' To 40', Add	74.98	
For Elevated Installation >40', Add	82.47	
26 05 33 13-0132 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	366.04	84.54
For Work In Restricted Working Space, Add	50.73	
For Elevated Installation >10' To 15', Add	16.91	
For Elevated Installation >15' To 20', Add	33.82	
For Elevated Installation >20' To 25', Add	42.28	
For Elevated Installation >25' To 30', Add	59.19	
For Elevated Installation >30' To 35', Add	67.64	
For Elevated Installation >35' To 40', Add	84.55	
For Elevated Installation >40', Add	93.01	
26 05 33 13-0133 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	441.20	110.07
For Work In Restricted Working Space, Add	66.05	
For Elevated Installation >10' To 15', Add	22.02	
For Elevated Installation >15' To 20', Add	44.03	
For Elevated Installation >20' To 25', Add	55.04	
For Elevated Installation >25' To 30', Add	77.05	
For Elevated Installation >30' To 35', Add	88.06	
For Elevated Installation >35' To 40', Add	110.08	
For Elevated Installation >40', Add	121.08	
26 05 33 13-0134 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	642.86	179.46
For Work In Restricted Working Space, Add	107.68	
For Elevated Installation >10' To 15', Add	35.89	
For Elevated Installation >15' To 20', Add	71.79	
For Elevated Installation >20' To 25', Add	89.73	
For Elevated Installation >25' To 30', Add	125.63	
For Elevated Installation >30' To 35', Add	143.57	
For Elevated Installation >35' To 40', Add	179.47	
For Elevated Installation >40', Add	197.41	
26 05 33 13-0135 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow (26 05 33 13-0060)		
See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0136 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	112.99	30.31
For Work In Restricted Working Space, Add	18.19	
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
26 05 33 13-0137 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	134.17	35.10
For Work In Restricted Working Space, Add	21.06	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
26 05 33 13-0138 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	160.12	39.88
For Work In Restricted Working Space, Add	23.93	
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	
26 05 33 13-0139 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	181.19	43.87
For Work In Restricted Working Space, Add	26.32	
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0140 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	244.24	55.04
For Work In Restricted Working Space, Add	33.02	
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.03	
For Elevated Installation >35' To 40', Add	55.04	
For Elevated Installation >40', Add	60.54	
26 05 33 13-0141 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	318.54	74.97
For Work In Restricted Working Space, Add	44.99	
For Elevated Installation >10' To 15', Add	15.00	
For Elevated Installation >15' To 20', Add	29.99	
For Elevated Installation >20' To 25', Add	37.49	
For Elevated Installation >25' To 30', Add	52.48	
For Elevated Installation >30' To 35', Add	59.98	
For Elevated Installation >35' To 40', Add	74.98	
For Elevated Installation >40', Add	82.47	
26 05 33 13-0142 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	399.14	84.54
For Work In Restricted Working Space, Add	50.73	
For Elevated Installation >10' To 15', Add	16.91	
For Elevated Installation >15' To 20', Add	33.82	
For Elevated Installation >20' To 25', Add	42.28	
For Elevated Installation >25' To 30', Add	59.19	
For Elevated Installation >30' To 35', Add	67.64	
For Elevated Installation >35' To 40', Add	84.55	
For Elevated Installation >40', Add	93.01	
26 05 33 13-0143 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	459.05	110.07
For Work In Restricted Working Space, Add	66.05	
For Elevated Installation >10' To 15', Add	22.02	
For Elevated Installation >15' To 20', Add	44.03	
For Elevated Installation >20' To 25', Add	55.04	
For Elevated Installation >25' To 30', Add	77.05	
For Elevated Installation >30' To 35', Add	88.06	
For Elevated Installation >35' To 40', Add	110.08	
For Elevated Installation >40', Add	121.08	
26 05 33 13-0144 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	788.47	179.46
For Work In Restricted Working Space, Add	107.68	
For Elevated Installation >10' To 15', Add	35.89	
For Elevated Installation >15' To 20', Add	71.79	
For Elevated Installation >20' To 25', Add	89.73	
For Elevated Installation >25' To 30', Add	125.63	
For Elevated Installation >30' To 35', Add	143.57	
For Elevated Installation >35' To 40', Add	179.47	
For Elevated Installation >40', Add	197.41	
26 05 33 13-0145 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,011.10	269.60
For Work In Restricted Working Space, Add	161.76	
For Elevated Installation >10' To 15', Add	53.92	
For Elevated Installation >15' To 20', Add	107.84	
For Elevated Installation >20' To 25', Add	134.80	
For Elevated Installation >25' To 30', Add	188.72	
For Elevated Installation >30' To 35', Add	215.68	
For Elevated Installation >35' To 40', Add	269.60	
For Elevated Installation >40', Add	296.56	
26 05 33 13-0146 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0060)		
See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0147 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	122.00	30.31
For Work In Restricted Working Space, Add	18.19	
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
26 05 33 13-0148 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	145.17	35.10
For Work In Restricted Working Space, Add	21.06	
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
26 05 33 13-0149 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	171.82	39.88
For Work In Restricted Working Space, Add	23.93	
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	



Electrical	26	26
Common Work Results for Electrical	26 05	
Raceway and Boxes for Electrical Systems	26 05 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0150 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	193.42 26.32 8.77 17.55 21.94 30.71 35.10 43.87 48.26	43.87
26 05 33 13-0151 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	259.04 33.02 11.01 22.01 27.52 38.52 44.03 55.04 60.54	55.04
26 05 33 13-0152 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	344.92 44.99 15.00 29.99 37.49 52.48 59.98 74.98 82.47	74.97
26 05 33 13-0153 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	425.60 50.73 16.91 33.82 42.28 59.19 67.64 84.55 93.01	84.54
26 05 33 13-0154 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	535.19 66.05 22.02 44.03 55.04 77.05 88.06 110.08 121.08	110.07
26 05 33 13-0155 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	893.51 107.68 35.89 71.79 89.73 125.63 143.57 179.47 197.41	179.46
26 05 33 13-0156 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	1,102.06 161.76 53.92 107.84 134.80 188.72 215.68 269.60 296.56	269.60
26 05 33 13-0157 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow (26 05 33 13-0060) See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0158 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	129.50 18.19 6.06 12.12 15.16 21.22 24.25 30.31 33.34	30.31
26 05 33 13-0159 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	153.65 21.06 7.02 14.04 17.55 24.57 28.08 35.10 38.60	35.10

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0160	EA	1-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	179.21	39.88
			For Work In Restricted Working Space, Add	23.93	
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.95	
			For Elevated Installation >20' To 25', Add	19.94	
			For Elevated Installation >25' To 30', Add	27.92	
			For Elevated Installation >30' To 35', Add	31.90	
			For Elevated Installation >35' To 40', Add	39.88	
			For Elevated Installation >40', Add	43.87	
26 05 33 13-0161	EA	2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	216.26	43.87
			For Work In Restricted Working Space, Add	26.32	
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.94	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.10	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.26	
26 05 33 13-0162	EA	2-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	286.34	55.04
			For Work In Restricted Working Space, Add	33.02	
			For Elevated Installation >10' To 15', Add	11.01	
			For Elevated Installation >15' To 20', Add	22.01	
			For Elevated Installation >20' To 25', Add	27.52	
			For Elevated Installation >25' To 30', Add	38.52	
			For Elevated Installation >30' To 35', Add	44.03	
			For Elevated Installation >35' To 40', Add	55.04	
			For Elevated Installation >40', Add	60.54	
26 05 33 13-0163	EA	3"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	371.51	74.97
			For Work In Restricted Working Space, Add	44.99	
			For Elevated Installation >10' To 15', Add	15.00	
			For Elevated Installation >15' To 20', Add	29.99	
			For Elevated Installation >20' To 25', Add	37.49	
			For Elevated Installation >25' To 30', Add	52.48	
			For Elevated Installation >30' To 35', Add	59.98	
			For Elevated Installation >35' To 40', Add	74.98	
			For Elevated Installation >40', Add	82.47	
26 05 33 13-0164	EA	3-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	458.87	84.54
			For Work In Restricted Working Space, Add	50.73	
			For Elevated Installation >10' To 15', Add	16.91	
			For Elevated Installation >15' To 20', Add	33.82	
			For Elevated Installation >20' To 25', Add	42.28	
			For Elevated Installation >25' To 30', Add	59.19	
			For Elevated Installation >30' To 35', Add	67.64	
			For Elevated Installation >35' To 40', Add	84.55	
			For Elevated Installation >40', Add	93.01	
26 05 33 13-0165	EA	4"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	575.61	110.07
			For Work In Restricted Working Space, Add	66.05	
			For Elevated Installation >10' To 15', Add	22.02	
			For Elevated Installation >15' To 20', Add	44.03	
			For Elevated Installation >20' To 25', Add	55.04	
			For Elevated Installation >25' To 30', Add	77.05	
			For Elevated Installation >30' To 35', Add	88.06	
			For Elevated Installation >35' To 40', Add	110.08	
			For Elevated Installation >40', Add	121.08	
26 05 33 13-0166	EA	5"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	926.40	179.46
			For Work In Restricted Working Space, Add	107.68	
			For Elevated Installation >10' To 15', Add	35.89	
			For Elevated Installation >15' To 20', Add	71.79	
			For Elevated Installation >20' To 25', Add	89.73	
			For Elevated Installation >25' To 30', Add	125.63	
			For Elevated Installation >30' To 35', Add	143.57	
			For Elevated Installation >35' To 40', Add	179.47	
			For Elevated Installation >40', Add	197.41	
26 05 33 13-0167	EA	6"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,120.46	269.60
			For Work In Restricted Working Space, Add	161.76	
			For Elevated Installation >10' To 15', Add	53.92	
			For Elevated Installation >15' To 20', Add	107.84	
			For Elevated Installation >20' To 25', Add	134.80	
			For Elevated Installation >25' To 30', Add	188.72	
			For Elevated Installation >30' To 35', Add	215.68	
			For Elevated Installation >35' To 40', Add	269.60	
			For Elevated Installation >40', Add	296.56	
26 05 33 13-0168			Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0060)		
26 05 33 13-0169	EA	1/2"	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	16.06	7.82
			For Work In Restricted Working Space, Add	4.70	
			For Elevated Installation >10' To 15', Add	1.57	
			For Elevated Installation >15' To 20', Add	3.13	
			For Elevated Installation >20' To 25', Add	3.91	
			For Elevated Installation >25' To 30', Add	5.48	
			For Elevated Installation >30' To 35', Add	6.26	
			For Elevated Installation >35' To 40', Add	7.83	
			For Elevated Installation >40', Add	8.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0170 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	17.23	8.35
For Work In Restricted Working Space, Add	5.01	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.34	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.84	
For Elevated Installation >30' To 35', Add	6.68	
For Elevated Installation >35' To 40', Add	8.35	
For Elevated Installation >40', Add	9.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 05 33 13-0171 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	19.58	9.39
For Work In Restricted Working Space, Add	5.63	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.75	
For Elevated Installation >20' To 25', Add	4.69	
For Elevated Installation >25' To 30', Add	6.57	
For Elevated Installation >30' To 35', Add	7.51	
For Elevated Installation >35' To 40', Add	9.39	
For Elevated Installation >40', Add	10.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 05 33 13-0172 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	22.04	10.43
For Work In Restricted Working Space, Add	6.26	
For Elevated Installation >10' To 15', Add	2.09	
For Elevated Installation >15' To 20', Add	4.17	
For Elevated Installation >20' To 25', Add	5.22	
For Elevated Installation >25' To 30', Add	7.30	
For Elevated Installation >30' To 35', Add	8.34	
For Elevated Installation >35' To 40', Add	10.43	
For Elevated Installation >40', Add	11.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-0173 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	27.69	13.04
For Work In Restricted Working Space, Add	7.82	
For Elevated Installation >10' To 15', Add	2.61	
For Elevated Installation >15' To 20', Add	5.22	
For Elevated Installation >20' To 25', Add	6.52	
For Elevated Installation >25' To 30', Add	9.13	
For Elevated Installation >30' To 35', Add	10.43	
For Elevated Installation >35' To 40', Add	13.04	
For Elevated Installation >40', Add	14.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-0174 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	34.28	15.65
For Work In Restricted Working Space, Add	9.39	
For Elevated Installation >10' To 15', Add	3.13	
For Elevated Installation >15' To 20', Add	6.26	
For Elevated Installation >20' To 25', Add	7.82	
For Elevated Installation >25' To 30', Add	10.95	
For Elevated Installation >30' To 35', Add	12.52	
For Elevated Installation >35' To 40', Add	15.65	
For Elevated Installation >40', Add	17.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.39	
26 05 33 13-0175 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	43.10	18.25
For Work In Restricted Working Space, Add	10.95	
For Elevated Installation >10' To 15', Add	3.65	
For Elevated Installation >15' To 20', Add	7.30	
For Elevated Installation >20' To 25', Add	9.13	
For Elevated Installation >25' To 30', Add	12.78	
For Elevated Installation >30' To 35', Add	14.60	
For Elevated Installation >35' To 40', Add	18.25	
For Elevated Installation >40', Add	20.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.95	
26 05 33 13-0176 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	48.69	20.86
For Work In Restricted Working Space, Add	12.52	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.35	
For Elevated Installation >20' To 25', Add	10.43	
For Elevated Installation >25' To 30', Add	14.61	
For Elevated Installation >30' To 35', Add	16.69	
For Elevated Installation >35' To 40', Add	20.87	
For Elevated Installation >40', Add	22.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33 13-0177 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	56.60	19.64
For Work In Restricted Working Space, Add	14.08	
For Elevated Installation >10' To 15', Add	4.69	
For Elevated Installation >15' To 20', Add	9.39	
For Elevated Installation >20' To 25', Add	11.74	
For Elevated Installation >25' To 30', Add	16.43	
For Elevated Installation >30' To 35', Add	18.78	
For Elevated Installation >35' To 40', Add	23.47	
For Elevated Installation >40', Add	25.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.08	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0178 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	62.80	26.08
For Work In Restricted Working Space, Add	15.65	
For Elevated Installation >10' To 15', Add	5.22	
For Elevated Installation >15' To 20', Add	10.43	
For Elevated Installation >20' To 25', Add	13.04	
For Elevated Installation >25' To 30', Add	18.25	
For Elevated Installation >30' To 35', Add	20.86	
For Elevated Installation >35' To 40', Add	26.08	
For Elevated Installation >40', Add	28.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 05 33 13-0179 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	75.52	28.69
For Work In Restricted Working Space, Add	17.21	
For Elevated Installation >10' To 15', Add	5.74	
For Elevated Installation >15' To 20', Add	11.47	
For Elevated Installation >20' To 25', Add	14.34	
For Elevated Installation >25' To 30', Add	20.08	
For Elevated Installation >30' To 35', Add	22.95	
For Elevated Installation >35' To 40', Add	28.69	
For Elevated Installation >40', Add	31.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.21	
26 05 33 13-0180 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	108.53	31.29
For Work In Restricted Working Space, Add	18.77	
For Elevated Installation >10' To 15', Add	6.26	
For Elevated Installation >15' To 20', Add	12.52	
For Elevated Installation >20' To 25', Add	15.65	
For Elevated Installation >25' To 30', Add	21.90	
For Elevated Installation >30' To 35', Add	25.03	
For Elevated Installation >35' To 40', Add	31.29	
For Elevated Installation >40', Add	34.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.77	
26 05 33 13-0181 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0060)		
26 05 33 13-0182 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing	19.41	9.20
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.20	
For Elevated Installation >40', Add	10.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-0183 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing	21.11	9.81
For Work In Restricted Working Space, Add	5.89	
For Elevated Installation >10' To 15', Add	1.96	
For Elevated Installation >15' To 20', Add	3.93	
For Elevated Installation >20' To 25', Add	4.91	
For Elevated Installation >25' To 30', Add	6.87	
For Elevated Installation >30' To 35', Add	7.86	
For Elevated Installation >35' To 40', Add	9.82	
For Elevated Installation >40', Add	10.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.89	
26 05 33 13-0184 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing	24.65	11.05
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.63	
26 05 33 13-0185 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	27.71	12.27
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.59	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0186 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	35.36	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0187 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing	41.84	18.40
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.04	
26 05 33 13-0188 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	58.75	21.48
For Work In Restricted Working Space, Add	12.89	
For Elevated Installation >10' To 15', Add	4.30	
For Elevated Installation >15' To 20', Add	8.59	
For Elevated Installation >20' To 25', Add	10.74	
For Elevated Installation >25' To 30', Add	15.03	
For Elevated Installation >30' To 35', Add	17.18	
For Elevated Installation >35' To 40', Add	21.48	
For Elevated Installation >40', Add	23.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 05 33 13-0189 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing	69.81	24.55
For Work In Restricted Working Space, Add	14.72	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.63	
For Elevated Installation >35' To 40', Add	24.54	
For Elevated Installation >40', Add	26.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.72	
26 05 33 13-0190 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	103.63	27.61
For Work In Restricted Working Space, Add	16.57	
For Elevated Installation >10' To 15', Add	5.52	
For Elevated Installation >15' To 20', Add	11.04	
For Elevated Installation >20' To 25', Add	13.81	
For Elevated Installation >25' To 30', Add	19.33	
For Elevated Installation >30' To 35', Add	22.09	
For Elevated Installation >35' To 40', Add	27.61	
For Elevated Installation >40', Add	30.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.57	
26 05 33 13-0191 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing	139.87	30.68
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-0192 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing	186.58	33.75
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.62	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.25	
26 05 33 13-0193 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing	274.63	36.81
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.09	
26 05 33 13-0194 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0060)		
26 05 33 13-0195 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	20.60	9.20
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.20	
For Elevated Installation >40', Add	10.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0196	EA	3/4"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	22.91	9.81
			For Work In Restricted Working Space, Add	5.89	
			For Elevated Installation >10' To 15', Add	1.96	
			For Elevated Installation >15' To 20', Add	3.93	
			For Elevated Installation >20' To 25', Add	4.91	
			For Elevated Installation >25' To 30', Add	6.87	
			For Elevated Installation >30' To 35', Add	7.86	
			For Elevated Installation >35' To 40', Add	9.82	
			For Elevated Installation >40', Add	10.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.89	
26 05 33 13-0197	EA	1"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	26.91	11.05
			For Work In Restricted Working Space, Add	6.63	
			For Elevated Installation >10' To 15', Add	2.21	
			For Elevated Installation >15' To 20', Add	4.42	
			For Elevated Installation >20' To 25', Add	5.52	
			For Elevated Installation >25' To 30', Add	7.73	
			For Elevated Installation >30' To 35', Add	8.84	
			For Elevated Installation >35' To 40', Add	11.05	
			For Elevated Installation >40', Add	12.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.63	
26 05 33 13-0198	EA	1-1/4"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	31.53	12.27
			For Work In Restricted Working Space, Add	7.37	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.91	
			For Elevated Installation >20' To 25', Add	6.14	
			For Elevated Installation >25' To 30', Add	8.59	
			For Elevated Installation >30' To 35', Add	9.82	
			For Elevated Installation >35' To 40', Add	12.28	
			For Elevated Installation >40', Add	13.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0199	EA	1-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	39.33	15.34
			For Work In Restricted Working Space, Add	9.20	
			For Elevated Installation >10' To 15', Add	3.07	
			For Elevated Installation >15' To 20', Add	6.14	
			For Elevated Installation >20' To 25', Add	7.67	
			For Elevated Installation >25' To 30', Add	10.74	
			For Elevated Installation >30' To 35', Add	12.27	
			For Elevated Installation >35' To 40', Add	15.34	
			For Elevated Installation >40', Add	16.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0200	EA	2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	48.89	18.40
			For Work In Restricted Working Space, Add	11.04	
			For Elevated Installation >10' To 15', Add	3.68	
			For Elevated Installation >15' To 20', Add	7.36	
			For Elevated Installation >20' To 25', Add	9.20	
			For Elevated Installation >25' To 30', Add	12.88	
			For Elevated Installation >30' To 35', Add	14.72	
			For Elevated Installation >35' To 40', Add	18.41	
			For Elevated Installation >40', Add	20.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.04	
26 05 33 13-0201	EA	2-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	68.31	21.48
			For Work In Restricted Working Space, Add	12.89	
			For Elevated Installation >10' To 15', Add	4.30	
			For Elevated Installation >15' To 20', Add	8.59	
			For Elevated Installation >20' To 25', Add	10.74	
			For Elevated Installation >25' To 30', Add	15.03	
			For Elevated Installation >30' To 35', Add	17.18	
			For Elevated Installation >35' To 40', Add	21.48	
			For Elevated Installation >40', Add	23.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 05 33 13-0202	EA	3"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	81.02	24.55
			For Work In Restricted Working Space, Add	14.72	
			For Elevated Installation >10' To 15', Add	4.91	
			For Elevated Installation >15' To 20', Add	9.82	
			For Elevated Installation >20' To 25', Add	12.27	
			For Elevated Installation >25' To 30', Add	17.18	
			For Elevated Installation >30' To 35', Add	19.63	
			For Elevated Installation >35' To 40', Add	24.54	
			For Elevated Installation >40', Add	26.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.72	
26 05 33 13-0203	EA	3-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	105.72	27.61
			For Work In Restricted Working Space, Add	16.57	
			For Elevated Installation >10' To 15', Add	5.52	
			For Elevated Installation >15' To 20', Add	11.04	
			For Elevated Installation >20' To 25', Add	13.81	
			For Elevated Installation >25' To 30', Add	19.33	
			For Elevated Installation >30' To 35', Add	22.09	
			For Elevated Installation >35' To 40', Add	27.61	
			For Elevated Installation >40', Add	30.37	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.57	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0204 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	149.22	30.68
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-0205 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	196.76	33.75
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.62	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.25	
26 05 33 13-0206 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	278.21	36.81
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.09	
26 05 33 13-0207 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0060)		
26 05 33 13-0208 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	30.96	11.05
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.63	
26 05 33 13-0209 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	34.68	12.27
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.59	
For Elevated Installation >30' To 35', Add	9.62	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0210 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	39.62	13.50
For Work In Restricted Working Space, Add	8.10	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.40	
For Elevated Installation >20' To 25', Add	6.75	
For Elevated Installation >25' To 30', Add	9.45	
For Elevated Installation >30' To 35', Add	10.80	
For Elevated Installation >35' To 40', Add	13.50	
For Elevated Installation >40', Add	14.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33 13-0211 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	47.02	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0212 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	56.90	19.02
For Work In Restricted Working Space, Add	11.41	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.61	
For Elevated Installation >20' To 25', Add	9.51	
For Elevated Installation >25' To 30', Add	13.31	
For Elevated Installation >30' To 35', Add	15.22	
For Elevated Installation >35' To 40', Add	19.02	
For Elevated Installation >40', Add	20.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.41	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0213	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	71.60	22.70
		For Work In Restricted Working Space, Add	13.62	
		For Elevated Installation >10' To 15', Add	4.54	
		For Elevated Installation >15' To 20', Add	9.08	
		For Elevated Installation >20' To 25', Add	11.35	
		For Elevated Installation >25' To 30', Add	15.89	
		For Elevated Installation >30' To 35', Add	18.16	
		For Elevated Installation >35' To 40', Add	22.70	
		For Elevated Installation >40', Add	24.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.62	
26 05 33 13-0214	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	95.56	26.38
		For Work In Restricted Working Space, Add	15.83	
		For Elevated Installation >10' To 15', Add	5.28	
		For Elevated Installation >15' To 20', Add	10.55	
		For Elevated Installation >20' To 25', Add	13.19	
		For Elevated Installation >25' To 30', Add	18.47	
		For Elevated Installation >30' To 35', Add	21.10	
		For Elevated Installation >35' To 40', Add	26.38	
		For Elevated Installation >40', Add	29.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.83	
26 05 33 13-0215	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	105.52	30.68
		For Work In Restricted Working Space, Add	18.41	
		For Elevated Installation >10' To 15', Add	6.14	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.48	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.68	
		For Elevated Installation >40', Add	33.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-0216	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	119.29	34.36
		For Work In Restricted Working Space, Add	20.62	
		For Elevated Installation >10' To 15', Add	6.87	
		For Elevated Installation >15' To 20', Add	13.74	
		For Elevated Installation >20' To 25', Add	17.18	
		For Elevated Installation >25' To 30', Add	24.05	
		For Elevated Installation >30' To 35', Add	27.49	
		For Elevated Installation >35' To 40', Add	34.36	
		For Elevated Installation >40', Add	37.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.62	
26 05 33 13-0217	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	153.49	38.04
		For Work In Restricted Working Space, Add	22.82	
		For Elevated Installation >10' To 15', Add	7.61	
		For Elevated Installation >15' To 20', Add	15.22	
		For Elevated Installation >20' To 25', Add	19.02	
		For Elevated Installation >25' To 30', Add	26.63	
		For Elevated Installation >30' To 35', Add	30.43	
		For Elevated Installation >35' To 40', Add	38.04	
		For Elevated Installation >40', Add	41.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.82	
26 05 33 13-0218	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	216.69	41.73
		For Work In Restricted Working Space, Add	25.03	
		For Elevated Installation >10' To 15', Add	8.34	
		For Elevated Installation >15' To 20', Add	16.69	
		For Elevated Installation >20' To 25', Add	20.86	
		For Elevated Installation >25' To 30', Add	29.20	
		For Elevated Installation >30' To 35', Add	33.38	
		For Elevated Installation >35' To 40', Add	41.72	
		For Elevated Installation >40', Add	45.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 05 33 13-0219	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	297.43	46.02
		For Work In Restricted Working Space, Add	27.61	
		For Elevated Installation >10' To 15', Add	9.20	
		For Elevated Installation >15' To 20', Add	18.41	
		For Elevated Installation >20' To 25', Add	23.01	
		For Elevated Installation >25' To 30', Add	32.21	
		For Elevated Installation >30' To 35', Add	36.81	
		For Elevated Installation >35' To 40', Add	46.02	
		For Elevated Installation >40', Add	50.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.61	
26 05 33 13-0220		Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0060)		
26 05 33 13-0221	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	18.11	5.64
		For Work In Restricted Working Space, Add	4.20	
		For Elevated Installation >10' To 15', Add	1.40	
		For Elevated Installation >15' To 20', Add	2.80	
		For Elevated Installation >20' To 25', Add	3.50	
		For Elevated Installation >25' To 30', Add	4.90	
		For Elevated Installation >30' To 35', Add	5.60	
		For Elevated Installation >35' To 40', Add	7.00	
		For Elevated Installation >40', Add	7.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.20	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0222	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	21.91	6.50
		For Work In Restricted Working Space, Add	4.86	
		For Elevated Installation >10' To 15', Add	1.62	
		For Elevated Installation >15' To 20', Add	3.24	
		For Elevated Installation >20' To 25', Add	4.05	
		For Elevated Installation >25' To 30', Add	5.67	
		For Elevated Installation >30' To 35', Add	6.48	
		For Elevated Installation >35' To 40', Add	8.11	
		For Elevated Installation >40', Add	8.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	
26 05 33 13-0223	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	28.64	7.86
		For Work In Restricted Working Space, Add	5.87	
		For Elevated Installation >10' To 15', Add	1.96	
		For Elevated Installation >15' To 20', Add	3.91	
		For Elevated Installation >20' To 25', Add	4.89	
		For Elevated Installation >25' To 30', Add	6.84	
		For Elevated Installation >30' To 35', Add	7.82	
		For Elevated Installation >35' To 40', Add	9.78	
		For Elevated Installation >40', Add	10.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.87	
26 05 33 13-0224	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	42.15	9.69
		For Work In Restricted Working Space, Add	7.30	
		For Elevated Installation >10' To 15', Add	2.43	
		For Elevated Installation >15' To 20', Add	4.86	
		For Elevated Installation >20' To 25', Add	6.08	
		For Elevated Installation >25' To 30', Add	8.51	
		For Elevated Installation >30' To 35', Add	9.73	
		For Elevated Installation >35' To 40', Add	12.16	
		For Elevated Installation >40', Add	13.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-0225	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	57.03	13.01
		For Work In Restricted Working Space, Add	9.77	
		For Elevated Installation >10' To 15', Add	3.26	
		For Elevated Installation >15' To 20', Add	6.51	
		For Elevated Installation >20' To 25', Add	8.14	
		For Elevated Installation >25' To 30', Add	11.39	
		For Elevated Installation >30' To 35', Add	13.02	
		For Elevated Installation >35' To 40', Add	16.28	
		For Elevated Installation >40', Add	17.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.77	
26 05 33 13-0226	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	96.76	19.51
		For Work In Restricted Working Space, Add	14.63	
		For Elevated Installation >10' To 15', Add	4.88	
		For Elevated Installation >15' To 20', Add	9.75	
		For Elevated Installation >20' To 25', Add	12.19	
		For Elevated Installation >25' To 30', Add	17.06	
		For Elevated Installation >30' To 35', Add	19.50	
		For Elevated Installation >35' To 40', Add	24.38	
		For Elevated Installation >40', Add	26.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.63	
26 05 33 13-0227	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	172.79	21.60
		For Work In Restricted Working Space, Add	16.20	
		For Elevated Installation >10' To 15', Add	5.40	
		For Elevated Installation >15' To 20', Add	10.80	
		For Elevated Installation >20' To 25', Add	13.50	
		For Elevated Installation >25' To 30', Add	18.90	
		For Elevated Installation >30' To 35', Add	21.60	
		For Elevated Installation >35' To 40', Add	27.00	
		For Elevated Installation >40', Add	29.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.20	
26 05 33 13-0228	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	206.02	26.14
		For Work In Restricted Working Space, Add	19.62	
		For Elevated Installation >10' To 15', Add	6.54	
		For Elevated Installation >15' To 20', Add	13.08	
		For Elevated Installation >20' To 25', Add	16.35	
		For Elevated Installation >25' To 30', Add	22.89	
		For Elevated Installation >30' To 35', Add	26.16	
		For Elevated Installation >35' To 40', Add	32.70	
		For Elevated Installation >40', Add	35.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.62	
26 05 33 13-0229	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	278.26	32.77
		For Work In Restricted Working Space, Add	24.56	
		For Elevated Installation >10' To 15', Add	8.19	
		For Elevated Installation >15' To 20', Add	16.37	
		For Elevated Installation >20' To 25', Add	20.47	
		For Elevated Installation >25' To 30', Add	28.65	
		For Elevated Installation >30' To 35', Add	32.75	
		For Elevated Installation >35' To 40', Add	40.94	
		For Elevated Installation >40', Add	45.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.56	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0230 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	326.08	39.27
For Work In Restricted Working Space, Add	29.45	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-0231 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	569.75	43.69
For Work In Restricted Working Space, Add	32.73	
For Elevated Installation >10' To 15', Add	10.91	
For Elevated Installation >15' To 20', Add	21.82	
For Elevated Installation >20' To 25', Add	27.27	
For Elevated Installation >25' To 30', Add	38.18	
For Elevated Installation >30' To 35', Add	43.64	
For Elevated Installation >35' To 40', Add	54.55	
For Elevated Installation >40', Add	60.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.73	
26 05 33 13-0232 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	680.32	49.08
For Work In Restricted Working Space, Add	36.80	
For Elevated Installation >10' To 15', Add	12.27	
For Elevated Installation >15' To 20', Add	24.54	
For Elevated Installation >20' To 25', Add	30.67	
For Elevated Installation >25' To 30', Add	42.94	
For Elevated Installation >30' To 35', Add	49.07	
For Elevated Installation >35' To 40', Add	61.34	
For Elevated Installation >40', Add	67.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.80	
26 05 33 13-0233 Rigid Galvanized Steel (RGS) Nipples (26 05 33 13-0060)		
26 05 33 13-0234 EA 1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.81	7.98
For Work In Restricted Working Space, Add	4.79	
For Elevated Installation >10' To 15', Add	1.60	
For Elevated Installation >15' To 20', Add	3.19	
For Elevated Installation >20' To 25', Add	3.99	
For Elevated Installation >25' To 30', Add	5.58	
For Elevated Installation >30' To 35', Add	6.38	
For Elevated Installation >35' To 40', Add	7.98	
For Elevated Installation >40', Add	8.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33 13-0235 EA 3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.49	9.20
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.20	
For Elevated Installation >40', Add	10.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-0236 EA 1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.23	11.66
For Work In Restricted Working Space, Add	6.99	
For Elevated Installation >10' To 15', Add	2.33	
For Elevated Installation >15' To 20', Add	4.66	
For Elevated Installation >20' To 25', Add	5.83	
For Elevated Installation >25' To 30', Add	8.16	
For Elevated Installation >30' To 35', Add	9.32	
For Elevated Installation >35' To 40', Add	11.66	
For Elevated Installation >40', Add	12.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0237 EA 1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	30.71	13.50
For Work In Restricted Working Space, Add	8.10	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.40	
For Elevated Installation >20' To 25', Add	6.75	
For Elevated Installation >25' To 30', Add	9.45	
For Elevated Installation >30' To 35', Add	10.80	
For Elevated Installation >35' To 40', Add	13.50	
For Elevated Installation >40', Add	14.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33 13-0238 EA 1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.09	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0239	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.96	7.98
		For Work In Restricted Working Space, Add	4.79	
		For Elevated Installation >10' To 15', Add	1.60	
		For Elevated Installation >15' To 20', Add	3.19	
		For Elevated Installation >20' To 25', Add	3.99	
		For Elevated Installation >25' To 30', Add	5.58	
		For Elevated Installation >30' To 35', Add	6.38	
		For Elevated Installation >35' To 40', Add	7.98	
		For Elevated Installation >40', Add	8.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33 13-0240	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.73	9.20
		For Work In Restricted Working Space, Add	5.52	
		For Elevated Installation >10' To 15', Add	1.84	
		For Elevated Installation >15' To 20', Add	3.68	
		For Elevated Installation >20' To 25', Add	4.60	
		For Elevated Installation >25' To 30', Add	6.44	
		For Elevated Installation >30' To 35', Add	7.36	
		For Elevated Installation >35' To 40', Add	9.20	
		For Elevated Installation >40', Add	10.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-0241	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.49	11.66
		For Work In Restricted Working Space, Add	6.99	
		For Elevated Installation >10' To 15', Add	2.33	
		For Elevated Installation >15' To 20', Add	4.66	
		For Elevated Installation >20' To 25', Add	5.83	
		For Elevated Installation >25' To 30', Add	8.16	
		For Elevated Installation >30' To 35', Add	9.32	
		For Elevated Installation >35' To 40', Add	11.66	
		For Elevated Installation >40', Add	12.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0242	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.06	13.50
		For Work In Restricted Working Space, Add	8.10	
		For Elevated Installation >10' To 15', Add	2.70	
		For Elevated Installation >15' To 20', Add	5.40	
		For Elevated Installation >20' To 25', Add	6.75	
		For Elevated Installation >25' To 30', Add	9.45	
		For Elevated Installation >30' To 35', Add	10.80	
		For Elevated Installation >35' To 40', Add	13.50	
		For Elevated Installation >40', Add	14.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33 13-0243	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.65	15.34
		For Work In Restricted Working Space, Add	9.20	
		For Elevated Installation >10' To 15', Add	3.07	
		For Elevated Installation >15' To 20', Add	6.14	
		For Elevated Installation >20' To 25', Add	7.67	
		For Elevated Installation >25' To 30', Add	10.74	
		For Elevated Installation >30' To 35', Add	12.27	
		For Elevated Installation >35' To 40', Add	15.34	
		For Elevated Installation >40', Add	16.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0244	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	40.36	17.18
		For Work In Restricted Working Space, Add	10.31	
		For Elevated Installation >10' To 15', Add	3.44	
		For Elevated Installation >15' To 20', Add	6.87	
		For Elevated Installation >20' To 25', Add	8.59	
		For Elevated Installation >25' To 30', Add	12.03	
		For Elevated Installation >30' To 35', Add	13.74	
		For Elevated Installation >35' To 40', Add	17.18	
		For Elevated Installation >40', Add	18.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33 13-0245	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.12	7.98
		For Work In Restricted Working Space, Add	4.79	
		For Elevated Installation >10' To 15', Add	1.60	
		For Elevated Installation >15' To 20', Add	3.19	
		For Elevated Installation >20' To 25', Add	3.99	
		For Elevated Installation >25' To 30', Add	5.58	
		For Elevated Installation >30' To 35', Add	6.38	
		For Elevated Installation >35' To 40', Add	7.98	
		For Elevated Installation >40', Add	8.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33 13-0246	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.94	9.20
		For Work In Restricted Working Space, Add	5.52	
		For Elevated Installation >10' To 15', Add	1.84	
		For Elevated Installation >15' To 20', Add	3.68	
		For Elevated Installation >20' To 25', Add	4.60	
		For Elevated Installation >25' To 30', Add	6.44	
		For Elevated Installation >30' To 35', Add	7.36	
		For Elevated Installation >35' To 40', Add	9.20	
		For Elevated Installation >40', Add	10.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0247	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	26.85	11.66
		For Work In Restricted Working Space, Add	6.99	
		For Elevated Installation >10' To 15', Add	2.33	
		For Elevated Installation >15' To 20', Add	4.66	
		For Elevated Installation >20' To 25', Add	5.83	
		For Elevated Installation >25' To 30', Add	8.16	
		For Elevated Installation >30' To 35', Add	9.32	
		For Elevated Installation >35' To 40', Add	11.66	
		For Elevated Installation >40', Add	12.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0248	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	31.38	13.50
		For Work In Restricted Working Space, Add	8.10	
		For Elevated Installation >10' To 15', Add	2.70	
		For Elevated Installation >15' To 20', Add	5.40	
		For Elevated Installation >20' To 25', Add	6.75	
		For Elevated Installation >25' To 30', Add	9.45	
		For Elevated Installation >30' To 35', Add	10.80	
		For Elevated Installation >35' To 40', Add	13.50	
		For Elevated Installation >40', Add	14.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33 13-0249	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	36.03	15.34
		For Work In Restricted Working Space, Add	9.20	
		For Elevated Installation >10' To 15', Add	3.07	
		For Elevated Installation >15' To 20', Add	6.14	
		For Elevated Installation >20' To 25', Add	7.67	
		For Elevated Installation >25' To 30', Add	10.74	
		For Elevated Installation >30' To 35', Add	12.27	
		For Elevated Installation >35' To 40', Add	15.34	
		For Elevated Installation >40', Add	16.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0250	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	41.30	17.18
		For Work In Restricted Working Space, Add	10.31	
		For Elevated Installation >10' To 15', Add	3.44	
		For Elevated Installation >15' To 20', Add	6.87	
		For Elevated Installation >20' To 25', Add	8.59	
		For Elevated Installation >25' To 30', Add	12.03	
		For Elevated Installation >30' To 35', Add	13.74	
		For Elevated Installation >35' To 40', Add	17.18	
		For Elevated Installation >40', Add	18.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33 13-0251	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	56.06	20.86
		For Work In Restricted Working Space, Add	12.52	
		For Elevated Installation >10' To 15', Add	4.17	
		For Elevated Installation >15' To 20', Add	8.34	
		For Elevated Installation >20' To 25', Add	10.43	
		For Elevated Installation >25' To 30', Add	14.60	
		For Elevated Installation >30' To 35', Add	16.69	
		For Elevated Installation >35' To 40', Add	20.86	
		For Elevated Installation >40', Add	22.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33 13-0252	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	75.29	28.84
		For Work In Restricted Working Space, Add	17.30	
		For Elevated Installation >10' To 15', Add	5.77	
		For Elevated Installation >15' To 20', Add	11.53	
		For Elevated Installation >20' To 25', Add	14.42	
		For Elevated Installation >25' To 30', Add	20.18	
		For Elevated Installation >30' To 35', Add	23.07	
		For Elevated Installation >35' To 40', Add	28.84	
		For Elevated Installation >40', Add	31.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.30	
26 05 33 13-0253	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	18.33	7.98
		For Work In Restricted Working Space, Add	4.79	
		For Elevated Installation >10' To 15', Add	1.60	
		For Elevated Installation >15' To 20', Add	3.19	
		For Elevated Installation >20' To 25', Add	3.99	
		For Elevated Installation >25' To 30', Add	5.58	
		For Elevated Installation >30' To 35', Add	6.38	
		For Elevated Installation >35' To 40', Add	7.98	
		For Elevated Installation >40', Add	8.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33 13-0254	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.05	9.20
		For Work In Restricted Working Space, Add	5.52	
		For Elevated Installation >10' To 15', Add	1.84	
		For Elevated Installation >15' To 20', Add	3.68	
		For Elevated Installation >20' To 25', Add	4.60	
		For Elevated Installation >25' To 30', Add	6.44	
		For Elevated Installation >30' To 35', Add	7.36	
		For Elevated Installation >35' To 40', Add	9.20	
		For Elevated Installation >40', Add	10.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0255 EA 1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	27.33	11.66
For Work In Restricted Working Space, Add	6.99	
For Elevated Installation >10' To 15', Add	2.33	
For Elevated Installation >15' To 20', Add	4.66	
For Elevated Installation >20' To 25', Add	5.83	
For Elevated Installation >25' To 30', Add	8.16	
For Elevated Installation >30' To 35', Add	9.32	
For Elevated Installation >35' To 40', Add	11.66	
For Elevated Installation >40', Add	12.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0256 EA 1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.98	13.50
For Work In Restricted Working Space, Add	8.10	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.40	
For Elevated Installation >20' To 25', Add	6.75	
For Elevated Installation >25' To 30', Add	9.45	
For Elevated Installation >30' To 35', Add	10.80	
For Elevated Installation >35' To 40', Add	13.50	
For Elevated Installation >40', Add	14.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33 13-0257 EA 1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	36.83	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0258 EA 2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple.....	42.27	17.18
For Work In Restricted Working Space, Add	10.31	
For Elevated Installation >10' To 15', Add	3.44	
For Elevated Installation >15' To 20', Add	6.87	
For Elevated Installation >20' To 25', Add	8.59	
For Elevated Installation >25' To 30', Add	12.03	
For Elevated Installation >30' To 35', Add	13.74	
For Elevated Installation >35' To 40', Add	17.18	
For Elevated Installation >40', Add	18.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33 13-0259 EA 2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	58.67	20.86
For Work In Restricted Working Space, Add	12.52	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.34	
For Elevated Installation >20' To 25', Add	10.43	
For Elevated Installation >25' To 30', Add	14.60	
For Elevated Installation >30' To 35', Add	16.69	
For Elevated Installation >35' To 40', Add	20.86	
For Elevated Installation >40', Add	22.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33 13-0260 EA 3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	77.55	28.84
For Work In Restricted Working Space, Add	17.30	
For Elevated Installation >10' To 15', Add	5.77	
For Elevated Installation >15' To 20', Add	11.53	
For Elevated Installation >20' To 25', Add	14.42	
For Elevated Installation >25' To 30', Add	20.18	
For Elevated Installation >30' To 35', Add	23.07	
For Elevated Installation >35' To 40', Add	28.84	
For Elevated Installation >40', Add	31.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.30	
26 05 33 13-0261 EA 1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.53	7.98
For Work In Restricted Working Space, Add	4.79	
For Elevated Installation >10' To 15', Add	1.60	
For Elevated Installation >15' To 20', Add	3.19	
For Elevated Installation >20' To 25', Add	3.99	
For Elevated Installation >25' To 30', Add	5.58	
For Elevated Installation >30' To 35', Add	6.38	
For Elevated Installation >35' To 40', Add	7.98	
For Elevated Installation >40', Add	8.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33 13-0262 EA 3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.41	9.20
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.20	
For Elevated Installation >40', Add	10.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0263	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	27.62	11.66
		For Work In Restricted Working Space, Add	6.99	
		For Elevated Installation >10' To 15', Add	2.33	
		For Elevated Installation >15' To 20', Add	4.66	
		For Elevated Installation >20' To 25', Add	5.83	
		For Elevated Installation >25' To 30', Add	8.16	
		For Elevated Installation >30' To 35', Add	9.32	
		For Elevated Installation >35' To 40', Add	11.66	
		For Elevated Installation >40', Add	12.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0264	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	32.27	13.50
		For Work In Restricted Working Space, Add	8.10	
		For Elevated Installation >10' To 15', Add	2.70	
		For Elevated Installation >15' To 20', Add	5.40	
		For Elevated Installation >20' To 25', Add	6.75	
		For Elevated Installation >25' To 30', Add	9.45	
		For Elevated Installation >30' To 35', Add	10.80	
		For Elevated Installation >35' To 40', Add	13.50	
		For Elevated Installation >40', Add	14.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33 13-0265	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	37.37	15.34
		For Work In Restricted Working Space, Add	9.20	
		For Elevated Installation >10' To 15', Add	3.07	
		For Elevated Installation >15' To 20', Add	6.14	
		For Elevated Installation >20' To 25', Add	7.67	
		For Elevated Installation >25' To 30', Add	10.74	
		For Elevated Installation >30' To 35', Add	12.27	
		For Elevated Installation >35' To 40', Add	15.34	
		For Elevated Installation >40', Add	16.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0266	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	43.09	17.18
		For Work In Restricted Working Space, Add	10.31	
		For Elevated Installation >10' To 15', Add	3.44	
		For Elevated Installation >15' To 20', Add	6.87	
		For Elevated Installation >20' To 25', Add	8.59	
		For Elevated Installation >25' To 30', Add	12.03	
		For Elevated Installation >30' To 35', Add	13.74	
		For Elevated Installation >35' To 40', Add	17.18	
		For Elevated Installation >40', Add	18.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33 13-0267	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	59.47	20.86
		For Work In Restricted Working Space, Add	12.52	
		For Elevated Installation >10' To 15', Add	4.17	
		For Elevated Installation >15' To 20', Add	8.34	
		For Elevated Installation >20' To 25', Add	10.43	
		For Elevated Installation >25' To 30', Add	14.60	
		For Elevated Installation >30' To 35', Add	16.69	
		For Elevated Installation >35' To 40', Add	20.86	
		For Elevated Installation >40', Add	22.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33 13-0268	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	79.23	28.84
		For Work In Restricted Working Space, Add	17.30	
		For Elevated Installation >10' To 15', Add	5.77	
		For Elevated Installation >15' To 20', Add	11.53	
		For Elevated Installation >20' To 25', Add	14.42	
		For Elevated Installation >25' To 30', Add	20.18	
		For Elevated Installation >30' To 35', Add	23.07	
		For Elevated Installation >35' To 40', Add	28.84	
		For Elevated Installation >40', Add	31.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.30	
26 05 33 13-0269	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	91.27	32.51
		For Work In Restricted Working Space, Add	19.51	
		For Elevated Installation >10' To 15', Add	6.50	
		For Elevated Installation >15' To 20', Add	13.01	
		For Elevated Installation >20' To 25', Add	16.26	
		For Elevated Installation >25' To 30', Add	22.76	
		For Elevated Installation >30' To 35', Add	26.01	
		For Elevated Installation >35' To 40', Add	32.52	
		For Elevated Installation >40', Add	35.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.51	
26 05 33 13-0270	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	114.12	42.34
		For Work In Restricted Working Space, Add	25.40	
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.93	
		For Elevated Installation >20' To 25', Add	21.17	
		For Elevated Installation >25' To 30', Add	29.63	
		For Elevated Installation >30' To 35', Add	33.86	
		For Elevated Installation >35' To 40', Add	42.33	
		For Elevated Installation >40', Add	46.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.40	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0271 EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.84	7.98
For Work In Restricted Working Space, Add	4.79	
For Elevated Installation >10' To 15', Add	1.60	
For Elevated Installation >15' To 20', Add	3.19	
For Elevated Installation >20' To 25', Add	3.99	
For Elevated Installation >25' To 30', Add	5.58	
For Elevated Installation >30' To 35', Add	6.38	
For Elevated Installation >35' To 40', Add	7.98	
For Elevated Installation >40', Add	8.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33 13-0272 EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.86	9.20
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.20	
For Elevated Installation >40', Add	10.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-0273 EA 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.19	11.66
For Work In Restricted Working Space, Add	6.99	
For Elevated Installation >10' To 15', Add	2.33	
For Elevated Installation >15' To 20', Add	4.66	
For Elevated Installation >20' To 25', Add	5.83	
For Elevated Installation >25' To 30', Add	8.16	
For Elevated Installation >30' To 35', Add	9.32	
For Elevated Installation >35' To 40', Add	11.66	
For Elevated Installation >40', Add	12.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0274 EA 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	33.11	13.50
For Work In Restricted Working Space, Add	8.10	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.40	
For Elevated Installation >20' To 25', Add	6.75	
For Elevated Installation >25' To 30', Add	9.45	
For Elevated Installation >30' To 35', Add	10.80	
For Elevated Installation >35' To 40', Add	13.50	
For Elevated Installation >40', Add	14.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33 13-0275 EA 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	38.19	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0276 EA 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	44.55	17.18
For Work In Restricted Working Space, Add	10.31	
For Elevated Installation >10' To 15', Add	3.44	
For Elevated Installation >15' To 20', Add	6.87	
For Elevated Installation >20' To 25', Add	8.59	
For Elevated Installation >25' To 30', Add	12.03	
For Elevated Installation >30' To 35', Add	13.74	
For Elevated Installation >35' To 40', Add	17.18	
For Elevated Installation >40', Add	18.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33 13-0277 EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	62.70	20.86
For Work In Restricted Working Space, Add	12.52	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.34	
For Elevated Installation >20' To 25', Add	10.43	
For Elevated Installation >25' To 30', Add	14.60	
For Elevated Installation >30' To 35', Add	16.69	
For Elevated Installation >35' To 40', Add	20.86	
For Elevated Installation >40', Add	22.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33 13-0278 EA 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	82.73	28.84
For Work In Restricted Working Space, Add	17.30	
For Elevated Installation >10' To 15', Add	5.77	
For Elevated Installation >15' To 20', Add	11.53	
For Elevated Installation >20' To 25', Add	14.42	
For Elevated Installation >25' To 30', Add	20.18	
For Elevated Installation >30' To 35', Add	23.07	
For Elevated Installation >35' To 40', Add	28.84	
For Elevated Installation >40', Add	31.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.30	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0279	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	94.75	32.51
		For Work In Restricted Working Space, Add	19.51	
		For Elevated Installation >10' To 15', Add	6.50	
		For Elevated Installation >15' To 20', Add	13.01	
		For Elevated Installation >20' To 25', Add	16.26	
		For Elevated Installation >25' To 30', Add	22.76	
		For Elevated Installation >30' To 35', Add	26.01	
		For Elevated Installation >35' To 40', Add	32.52	
		For Elevated Installation >40', Add	35.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.51	
26 05 33 13-0280	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	119.20	42.34
		For Work In Restricted Working Space, Add	25.40	
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.93	
		For Elevated Installation >20' To 25', Add	21.17	
		For Elevated Installation >25' To 30', Add	29.63	
		For Elevated Installation >30' To 35', Add	33.86	
		For Elevated Installation >35' To 40', Add	42.33	
		For Elevated Installation >40', Add	46.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.40	
26 05 33 13-0281	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	183.61	58.28
		For Work In Restricted Working Space, Add	34.97	
		For Elevated Installation >10' To 15', Add	11.66	
		For Elevated Installation >15' To 20', Add	23.31	
		For Elevated Installation >20' To 25', Add	29.14	
		For Elevated Installation >25' To 30', Add	40.80	
		For Elevated Installation >30' To 35', Add	46.63	
		For Elevated Installation >35' To 40', Add	58.29	
		For Elevated Installation >40', Add	64.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.97	
26 05 33 13-0282	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	233.12	74.73
		For Work In Restricted Working Space, Add	44.87	
		For Elevated Installation >10' To 15', Add	14.96	
		For Elevated Installation >15' To 20', Add	29.91	
		For Elevated Installation >20' To 25', Add	37.39	
		For Elevated Installation >25' To 30', Add	52.35	
		For Elevated Installation >30' To 35', Add	59.82	
		For Elevated Installation >35' To 40', Add	74.78	
		For Elevated Installation >40', Add	82.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	
26 05 33 13-0283	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	19.40	7.98
		For Work In Restricted Working Space, Add	4.79	
		For Elevated Installation >10' To 15', Add	1.60	
		For Elevated Installation >15' To 20', Add	3.19	
		For Elevated Installation >20' To 25', Add	3.99	
		For Elevated Installation >25' To 30', Add	5.58	
		For Elevated Installation >30' To 35', Add	6.38	
		For Elevated Installation >35' To 40', Add	7.98	
		For Elevated Installation >40', Add	8.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33 13-0284	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	22.43	9.20
		For Work In Restricted Working Space, Add	5.52	
		For Elevated Installation >10' To 15', Add	1.84	
		For Elevated Installation >15' To 20', Add	3.68	
		For Elevated Installation >20' To 25', Add	4.60	
		For Elevated Installation >25' To 30', Add	6.44	
		For Elevated Installation >30' To 35', Add	7.36	
		For Elevated Installation >35' To 40', Add	9.20	
		For Elevated Installation >40', Add	10.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-0285	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	28.65	11.66
		For Work In Restricted Working Space, Add	6.99	
		For Elevated Installation >10' To 15', Add	2.33	
		For Elevated Installation >15' To 20', Add	4.66	
		For Elevated Installation >20' To 25', Add	5.83	
		For Elevated Installation >25' To 30', Add	8.16	
		For Elevated Installation >30' To 35', Add	9.32	
		For Elevated Installation >35' To 40', Add	11.66	
		For Elevated Installation >40', Add	12.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0286	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	33.87	13.50
		For Work In Restricted Working Space, Add	8.10	
		For Elevated Installation >10' To 15', Add	2.70	
		For Elevated Installation >15' To 20', Add	5.40	
		For Elevated Installation >20' To 25', Add	6.75	
		For Elevated Installation >25' To 30', Add	9.45	
		For Elevated Installation >30' To 35', Add	10.80	
		For Elevated Installation >35' To 40', Add	13.50	
		For Elevated Installation >40', Add	14.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0287 EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	39.91	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0288 EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	46.01	17.18
For Work In Restricted Working Space, Add	10.31	
For Elevated Installation >10' To 15', Add	3.44	
For Elevated Installation >15' To 20', Add	6.87	
For Elevated Installation >20' To 25', Add	8.59	
For Elevated Installation >25' To 30', Add	12.03	
For Elevated Installation >30' To 35', Add	13.74	
For Elevated Installation >35' To 40', Add	17.18	
For Elevated Installation >40', Add	18.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33 13-0289 EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	65.53	20.86
For Work In Restricted Working Space, Add	12.52	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.34	
For Elevated Installation >20' To 25', Add	10.43	
For Elevated Installation >25' To 30', Add	14.60	
For Elevated Installation >30' To 35', Add	16.69	
For Elevated Installation >35' To 40', Add	20.86	
For Elevated Installation >40', Add	22.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33 13-0290 EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	86.29	28.84
For Work In Restricted Working Space, Add	17.30	
For Elevated Installation >10' To 15', Add	5.77	
For Elevated Installation >15' To 20', Add	11.53	
For Elevated Installation >20' To 25', Add	14.42	
For Elevated Installation >25' To 30', Add	20.18	
For Elevated Installation >30' To 35', Add	23.07	
For Elevated Installation >35' To 40', Add	28.84	
For Elevated Installation >40', Add	31.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.30	
26 05 33 13-0291 EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	98.99	32.51
For Work In Restricted Working Space, Add	19.51	
For Elevated Installation >10' To 15', Add	6.50	
For Elevated Installation >15' To 20', Add	13.01	
For Elevated Installation >20' To 25', Add	16.26	
For Elevated Installation >25' To 30', Add	22.76	
For Elevated Installation >30' To 35', Add	26.01	
For Elevated Installation >35' To 40', Add	32.52	
For Elevated Installation >40', Add	35.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.51	
26 05 33 13-0292 EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	123.23	42.34
For Work In Restricted Working Space, Add	25.40	
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.93	
For Elevated Installation >20' To 25', Add	21.17	
For Elevated Installation >25' To 30', Add	29.63	
For Elevated Installation >30' To 35', Add	33.86	
For Elevated Installation >35' To 40', Add	42.33	
For Elevated Installation >40', Add	46.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.40	
26 05 33 13-0293 EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	189.52	58.28
For Work In Restricted Working Space, Add	34.97	
For Elevated Installation >10' To 15', Add	11.66	
For Elevated Installation >15' To 20', Add	23.31	
For Elevated Installation >20' To 25', Add	29.14	
For Elevated Installation >25' To 30', Add	40.80	
For Elevated Installation >30' To 35', Add	46.63	
For Elevated Installation >35' To 40', Add	58.29	
For Elevated Installation >40', Add	64.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.97	
26 05 33 13-0294 EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	241.76	74.73
For Work In Restricted Working Space, Add	44.87	
For Elevated Installation >10' To 15', Add	14.96	
For Elevated Installation >15' To 20', Add	29.91	
For Elevated Installation >20' To 25', Add	37.39	
For Elevated Installation >25' To 30', Add	52.35	
For Elevated Installation >30' To 35', Add	59.82	
For Elevated Installation >35' To 40', Add	74.78	
For Elevated Installation >40', Add	82.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0295	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	21.44	7.98
		For Work In Restricted Working Space, Add	4.79	
		For Elevated Installation >10' To 15', Add	1.60	
		For Elevated Installation >15' To 20', Add	3.19	
		For Elevated Installation >20' To 25', Add	3.99	
		For Elevated Installation >25' To 30', Add	5.58	
		For Elevated Installation >30' To 35', Add	6.38	
		For Elevated Installation >35' To 40', Add	7.98	
		For Elevated Installation >40', Add	8.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33 13-0296	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	25.05	9.20
		For Work In Restricted Working Space, Add	5.52	
		For Elevated Installation >10' To 15', Add	1.84	
		For Elevated Installation >15' To 20', Add	3.68	
		For Elevated Installation >20' To 25', Add	4.60	
		For Elevated Installation >25' To 30', Add	6.44	
		For Elevated Installation >30' To 35', Add	7.36	
		For Elevated Installation >35' To 40', Add	9.20	
		For Elevated Installation >40', Add	10.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-0297	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	31.73	11.66
		For Work In Restricted Working Space, Add	6.99	
		For Elevated Installation >10' To 15', Add	2.33	
		For Elevated Installation >15' To 20', Add	4.66	
		For Elevated Installation >20' To 25', Add	5.83	
		For Elevated Installation >25' To 30', Add	8.16	
		For Elevated Installation >30' To 35', Add	9.32	
		For Elevated Installation >35' To 40', Add	11.66	
		For Elevated Installation >40', Add	12.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0298	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	38.26	13.50
		For Work In Restricted Working Space, Add	8.10	
		For Elevated Installation >10' To 15', Add	2.70	
		For Elevated Installation >15' To 20', Add	5.40	
		For Elevated Installation >20' To 25', Add	6.75	
		For Elevated Installation >25' To 30', Add	9.45	
		For Elevated Installation >30' To 35', Add	10.80	
		For Elevated Installation >35' To 40', Add	13.50	
		For Elevated Installation >40', Add	14.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33 13-0299	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	44.80	15.34
		For Work In Restricted Working Space, Add	9.20	
		For Elevated Installation >10' To 15', Add	3.07	
		For Elevated Installation >15' To 20', Add	6.14	
		For Elevated Installation >20' To 25', Add	7.67	
		For Elevated Installation >25' To 30', Add	10.74	
		For Elevated Installation >30' To 35', Add	12.27	
		For Elevated Installation >35' To 40', Add	15.34	
		For Elevated Installation >40', Add	16.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0300	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	51.16	17.18
		For Work In Restricted Working Space, Add	10.31	
		For Elevated Installation >10' To 15', Add	3.44	
		For Elevated Installation >15' To 20', Add	6.87	
		For Elevated Installation >20' To 25', Add	8.59	
		For Elevated Installation >25' To 30', Add	12.03	
		For Elevated Installation >30' To 35', Add	13.74	
		For Elevated Installation >35' To 40', Add	17.18	
		For Elevated Installation >40', Add	18.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33 13-0301	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	73.03	20.86
		For Work In Restricted Working Space, Add	12.52	
		For Elevated Installation >10' To 15', Add	4.17	
		For Elevated Installation >15' To 20', Add	8.34	
		For Elevated Installation >20' To 25', Add	10.43	
		For Elevated Installation >25' To 30', Add	14.60	
		For Elevated Installation >30' To 35', Add	16.69	
		For Elevated Installation >35' To 40', Add	20.86	
		For Elevated Installation >40', Add	22.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33 13-0302	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	94.91	28.84
		For Work In Restricted Working Space, Add	17.30	
		For Elevated Installation >10' To 15', Add	5.77	
		For Elevated Installation >15' To 20', Add	11.53	
		For Elevated Installation >20' To 25', Add	14.42	
		For Elevated Installation >25' To 30', Add	20.18	
		For Elevated Installation >30' To 35', Add	23.07	
		For Elevated Installation >35' To 40', Add	28.84	
		For Elevated Installation >40', Add	31.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.30	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0303	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	107.59	32.51
		For Work In Restricted Working Space, Add	19.51	
		For Elevated Installation >10' To 15', Add	6.50	
		For Elevated Installation >15' To 20', Add	13.01	
		For Elevated Installation >20' To 25', Add	16.26	
		For Elevated Installation >25' To 30', Add	22.76	
		For Elevated Installation >30' To 35', Add	26.01	
		For Elevated Installation >35' To 40', Add	32.52	
		For Elevated Installation >40', Add	35.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.51	
26 05 33 13-0304	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	132.73	42.34
		For Work In Restricted Working Space, Add	25.40	
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.93	
		For Elevated Installation >20' To 25', Add	21.17	
		For Elevated Installation >25' To 30', Add	29.63	
		For Elevated Installation >30' To 35', Add	33.86	
		For Elevated Installation >35' To 40', Add	42.33	
		For Elevated Installation >40', Add	46.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.40	
26 05 33 13-0305	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	203.22	58.28
		For Work In Restricted Working Space, Add	34.97	
		For Elevated Installation >10' To 15', Add	11.66	
		For Elevated Installation >15' To 20', Add	23.31	
		For Elevated Installation >20' To 25', Add	29.14	
		For Elevated Installation >25' To 30', Add	40.80	
		For Elevated Installation >30' To 35', Add	46.63	
		For Elevated Installation >35' To 40', Add	58.29	
		For Elevated Installation >40', Add	64.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.97	
26 05 33 13-0306	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	257.15	74.73
		For Work In Restricted Working Space, Add	44.87	
		For Elevated Installation >10' To 15', Add	14.96	
		For Elevated Installation >15' To 20', Add	29.91	
		For Elevated Installation >20' To 25', Add	37.39	
		For Elevated Installation >25' To 30', Add	52.35	
		For Elevated Installation >30' To 35', Add	59.82	
		For Elevated Installation >35' To 40', Add	74.78	
		For Elevated Installation >40', Add	82.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	
26 05 33 13-0307	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.82	7.98
		For Work In Restricted Working Space, Add	4.79	
		For Elevated Installation >10' To 15', Add	1.60	
		For Elevated Installation >15' To 20', Add	3.19	
		For Elevated Installation >20' To 25', Add	3.99	
		For Elevated Installation >25' To 30', Add	5.58	
		For Elevated Installation >30' To 35', Add	6.38	
		For Elevated Installation >35' To 40', Add	7.98	
		For Elevated Installation >40', Add	8.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33 13-0308	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.38	9.20
		For Work In Restricted Working Space, Add	5.52	
		For Elevated Installation >10' To 15', Add	1.84	
		For Elevated Installation >15' To 20', Add	3.68	
		For Elevated Installation >20' To 25', Add	4.60	
		For Elevated Installation >25' To 30', Add	6.44	
		For Elevated Installation >30' To 35', Add	7.36	
		For Elevated Installation >35' To 40', Add	9.20	
		For Elevated Installation >40', Add	10.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-0309	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.17	11.66
		For Work In Restricted Working Space, Add	6.99	
		For Elevated Installation >10' To 15', Add	2.33	
		For Elevated Installation >15' To 20', Add	4.66	
		For Elevated Installation >20' To 25', Add	5.83	
		For Elevated Installation >25' To 30', Add	8.16	
		For Elevated Installation >30' To 35', Add	9.32	
		For Elevated Installation >35' To 40', Add	11.66	
		For Elevated Installation >40', Add	12.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0310	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	41.17	13.50
		For Work In Restricted Working Space, Add	8.10	
		For Elevated Installation >10' To 15', Add	2.70	
		For Elevated Installation >15' To 20', Add	5.40	
		For Elevated Installation >20' To 25', Add	6.75	
		For Elevated Installation >25' To 30', Add	9.45	
		For Elevated Installation >30' To 35', Add	10.80	
		For Elevated Installation >35' To 40', Add	13.50	
		For Elevated Installation >40', Add	14.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0311 EA 1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	47.66	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0312 EA 2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	54.48	17.18
For Work In Restricted Working Space, Add	10.31	
For Elevated Installation >10' To 15', Add	3.44	
For Elevated Installation >15' To 20', Add	6.87	
For Elevated Installation >20' To 25', Add	8.59	
For Elevated Installation >25' To 30', Add	12.03	
For Elevated Installation >30' To 35', Add	13.74	
For Elevated Installation >35' To 40', Add	17.18	
For Elevated Installation >40', Add	18.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33 13-0313 EA 2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	78.08	20.86
For Work In Restricted Working Space, Add	12.52	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.34	
For Elevated Installation >20' To 25', Add	10.43	
For Elevated Installation >25' To 30', Add	14.60	
For Elevated Installation >30' To 35', Add	16.69	
For Elevated Installation >35' To 40', Add	20.86	
For Elevated Installation >40', Add	22.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33 13-0314 EA 3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	101.68	28.84
For Work In Restricted Working Space, Add	17.30	
For Elevated Installation >10' To 15', Add	5.77	
For Elevated Installation >15' To 20', Add	11.53	
For Elevated Installation >20' To 25', Add	14.42	
For Elevated Installation >25' To 30', Add	20.18	
For Elevated Installation >30' To 35', Add	23.07	
For Elevated Installation >35' To 40', Add	28.84	
For Elevated Installation >40', Add	31.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.30	
26 05 33 13-0315 EA 3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	116.51	32.51
For Work In Restricted Working Space, Add	19.51	
For Elevated Installation >10' To 15', Add	6.50	
For Elevated Installation >15' To 20', Add	13.01	
For Elevated Installation >20' To 25', Add	16.26	
For Elevated Installation >25' To 30', Add	22.76	
For Elevated Installation >30' To 35', Add	26.01	
For Elevated Installation >35' To 40', Add	32.52	
For Elevated Installation >40', Add	35.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.51	
26 05 33 13-0316 EA 4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	144.03	42.34
For Work In Restricted Working Space, Add	25.40	
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.93	
For Elevated Installation >20' To 25', Add	21.17	
For Elevated Installation >25' To 30', Add	29.63	
For Elevated Installation >30' To 35', Add	33.86	
For Elevated Installation >35' To 40', Add	42.33	
For Elevated Installation >40', Add	46.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.40	
26 05 33 13-0317 EA 5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	218.16	58.28
For Work In Restricted Working Space, Add	34.97	
For Elevated Installation >10' To 15', Add	11.66	
For Elevated Installation >15' To 20', Add	23.31	
For Elevated Installation >20' To 25', Add	29.14	
For Elevated Installation >25' To 30', Add	40.80	
For Elevated Installation >30' To 35', Add	46.63	
For Elevated Installation >35' To 40', Add	58.29	
For Elevated Installation >40', Add	64.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.97	
26 05 33 13-0318 EA 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	284.02	74.73
For Work In Restricted Working Space, Add	44.87	
For Elevated Installation >10' To 15', Add	14.96	
For Elevated Installation >15' To 20', Add	29.91	
For Elevated Installation >20' To 25', Add	37.39	
For Elevated Installation >25' To 30', Add	52.35	
For Elevated Installation >30' To 35', Add	59.82	
For Elevated Installation >35' To 40', Add	74.78	
For Elevated Installation >40', Add	82.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0319	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	23.87	7.98
			For Work In Restricted Working Space, Add	4.79	
			For Elevated Installation >10' To 15', Add	1.60	
			For Elevated Installation >15' To 20', Add	3.19	
			For Elevated Installation >20' To 25', Add	3.99	
			For Elevated Installation >25' To 30', Add	5.58	
			For Elevated Installation >30' To 35', Add	6.38	
			For Elevated Installation >35' To 40', Add	7.98	
			For Elevated Installation >40', Add	8.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.79	
26 05 33	13-0320	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	27.37	9.20
			For Work In Restricted Working Space, Add	5.52	
			For Elevated Installation >10' To 15', Add	1.84	
			For Elevated Installation >15' To 20', Add	3.68	
			For Elevated Installation >20' To 25', Add	4.60	
			For Elevated Installation >25' To 30', Add	6.44	
			For Elevated Installation >30' To 35', Add	7.36	
			For Elevated Installation >35' To 40', Add	9.20	
			For Elevated Installation >40', Add	10.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33	13-0321	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	35.65	11.66
			For Work In Restricted Working Space, Add	6.99	
			For Elevated Installation >10' To 15', Add	2.33	
			For Elevated Installation >15' To 20', Add	4.66	
			For Elevated Installation >20' To 25', Add	5.83	
			For Elevated Installation >25' To 30', Add	8.16	
			For Elevated Installation >30' To 35', Add	9.32	
			For Elevated Installation >35' To 40', Add	11.66	
			For Elevated Installation >40', Add	12.82	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33	13-0322	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	43.50	13.50
			For Work In Restricted Working Space, Add	8.10	
			For Elevated Installation >10' To 15', Add	2.70	
			For Elevated Installation >15' To 20', Add	5.40	
			For Elevated Installation >20' To 25', Add	6.75	
			For Elevated Installation >25' To 30', Add	9.45	
			For Elevated Installation >30' To 35', Add	10.80	
			For Elevated Installation >35' To 40', Add	13.50	
			For Elevated Installation >40', Add	14.84	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33	13-0323	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	49.10	15.34
			For Work In Restricted Working Space, Add	9.20	
			For Elevated Installation >10' To 15', Add	3.07	
			For Elevated Installation >15' To 20', Add	6.14	
			For Elevated Installation >20' To 25', Add	7.67	
			For Elevated Installation >25' To 30', Add	10.74	
			For Elevated Installation >30' To 35', Add	12.27	
			For Elevated Installation >35' To 40', Add	15.34	
			For Elevated Installation >40', Add	16.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33	13-0324	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	57.27	17.18
			For Work In Restricted Working Space, Add	10.31	
			For Elevated Installation >10' To 15', Add	3.44	
			For Elevated Installation >15' To 20', Add	6.87	
			For Elevated Installation >20' To 25', Add	8.59	
			For Elevated Installation >25' To 30', Add	12.03	
			For Elevated Installation >30' To 35', Add	13.74	
			For Elevated Installation >35' To 40', Add	17.18	
			For Elevated Installation >40', Add	18.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33	13-0325	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	84.01	20.86
			For Work In Restricted Working Space, Add	12.52	
			For Elevated Installation >10' To 15', Add	4.17	
			For Elevated Installation >15' To 20', Add	8.34	
			For Elevated Installation >20' To 25', Add	10.43	
			For Elevated Installation >25' To 30', Add	14.60	
			For Elevated Installation >30' To 35', Add	16.69	
			For Elevated Installation >35' To 40', Add	20.86	
			For Elevated Installation >40', Add	22.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33	13-0326	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	111.10	28.84
			For Work In Restricted Working Space, Add	17.30	
			For Elevated Installation >10' To 15', Add	5.77	
			For Elevated Installation >15' To 20', Add	11.53	
			For Elevated Installation >20' To 25', Add	14.42	
			For Elevated Installation >25' To 30', Add	20.18	
			For Elevated Installation >30' To 35', Add	23.07	
			For Elevated Installation >35' To 40', Add	28.84	
			For Elevated Installation >40', Add	31.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.30	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0327 EA 3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	125.20	32.51
For Work In Restricted Working Space, Add	19.51	
For Elevated Installation >10' To 15', Add	6.50	
For Elevated Installation >15' To 20', Add	13.01	
For Elevated Installation >20' To 25', Add	16.26	
For Elevated Installation >25' To 30', Add	22.76	
For Elevated Installation >30' To 35', Add	26.01	
For Elevated Installation >35' To 40', Add	32.52	
For Elevated Installation >40', Add	35.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.51	
26 05 33 13-0328 EA 4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	155.35	42.34
For Work In Restricted Working Space, Add	25.40	
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.93	
For Elevated Installation >20' To 25', Add	21.17	
For Elevated Installation >25' To 30', Add	29.63	
For Elevated Installation >30' To 35', Add	33.86	
For Elevated Installation >35' To 40', Add	42.33	
For Elevated Installation >40', Add	46.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.40	
26 05 33 13-0329 EA 5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	239.63	58.28
For Work In Restricted Working Space, Add	34.97	
For Elevated Installation >10' To 15', Add	11.66	
For Elevated Installation >15' To 20', Add	23.31	
For Elevated Installation >20' To 25', Add	29.14	
For Elevated Installation >25' To 30', Add	40.80	
For Elevated Installation >30' To 35', Add	46.63	
For Elevated Installation >35' To 40', Add	58.29	
For Elevated Installation >40', Add	64.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.97	
26 05 33 13-0330 EA 6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	298.96	74.73
For Work In Restricted Working Space, Add	44.87	
For Elevated Installation >10' To 15', Add	14.96	
For Elevated Installation >15' To 20', Add	29.91	
For Elevated Installation >20' To 25', Add	37.39	
For Elevated Installation >25' To 30', Add	52.35	
For Elevated Installation >30' To 35', Add	59.82	
For Elevated Installation >35' To 40', Add	74.78	
For Elevated Installation >40', Add	82.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	
26 05 33 13-0331 Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0060)		
26 05 33 13-0332 EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	18.27	6.38
For Work In Restricted Working Space, Add	4.82	
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.22	
For Elevated Installation >20' To 25', Add	4.02	
For Elevated Installation >25' To 30', Add	5.63	
For Elevated Installation >30' To 35', Add	6.43	
For Elevated Installation >35' To 40', Add	8.04	
For Elevated Installation >40', Add	8.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-0333 EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	21.65	7.37
For Work In Restricted Working Space, Add	5.49	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.66	
For Elevated Installation >20' To 25', Add	4.58	
For Elevated Installation >25' To 30', Add	6.41	
For Elevated Installation >30' To 35', Add	7.32	
For Elevated Installation >35' To 40', Add	9.15	
For Elevated Installation >40', Add	10.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.49	
26 05 33 13-0334 EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple	27.24	9.32
For Work In Restricted Working Space, Add	7.02	
For Elevated Installation >10' To 15', Add	2.34	
For Elevated Installation >15' To 20', Add	4.68	
For Elevated Installation >20' To 25', Add	5.85	
For Elevated Installation >25' To 30', Add	8.19	
For Elevated Installation >30' To 35', Add	9.36	
For Elevated Installation >35' To 40', Add	11.71	
For Elevated Installation >40', Add	12.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33 13-0335 EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	34.23	11.17
For Work In Restricted Working Space, Add	8.42	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.61	
For Elevated Installation >20' To 25', Add	7.01	
For Elevated Installation >25' To 30', Add	9.82	
For Elevated Installation >30' To 35', Add	11.22	
For Elevated Installation >35' To 40', Add	14.03	
For Elevated Installation >40', Add	15.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 33 13-0336	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	37.48	12.27	
		For Work In Restricted Working Space, Add	9.21		
		For Elevated Installation >10' To 15', Add	3.07		
		For Elevated Installation >15' To 20', Add	6.14		
		For Elevated Installation >20' To 25', Add	7.68		
		For Elevated Installation >25' To 30', Add	10.75		
		For Elevated Installation >30' To 35', Add	12.28		
		For Elevated Installation >35' To 40', Add	15.35		
		For Elevated Installation >40', Add	16.89		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.21		
26 05 33 13-0337	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	48.59	15.09	
		For Work In Restricted Working Space, Add	11.35		
		For Elevated Installation >10' To 15', Add	3.78		
		For Elevated Installation >15' To 20', Add	7.56		
		For Elevated Installation >20' To 25', Add	9.46		
		For Elevated Installation >25' To 30', Add	13.24		
		For Elevated Installation >30' To 35', Add	15.13		
		For Elevated Installation >35' To 40', Add	18.91		
		For Elevated Installation >40', Add	20.80		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.35		
26 05 33 13-0338	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	79.29	24.55	
		For Work In Restricted Working Space, Add	18.41		
		For Elevated Installation >10' To 15', Add	6.14		
		For Elevated Installation >15' To 20', Add	12.27		
		For Elevated Installation >20' To 25', Add	15.34		
		For Elevated Installation >25' To 30', Add	21.47		
		For Elevated Installation >30' To 35', Add	24.54		
		For Elevated Installation >35' To 40', Add	30.68		
		For Elevated Installation >40', Add	33.74		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41		
26 05 33 13-0339	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	125.42	33.87	
		For Work In Restricted Working Space, Add	25.40		
		For Elevated Installation >10' To 15', Add	8.47		
		For Elevated Installation >15' To 20', Add	16.93		
		For Elevated Installation >20' To 25', Add	21.17		
		For Elevated Installation >25' To 30', Add	29.63		
		For Elevated Installation >30' To 35', Add	33.87		
		For Elevated Installation >35' To 40', Add	42.34		
		For Elevated Installation >40', Add	46.57		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.40		
26 05 33 13-0340	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	154.49	40.00	
		For Work In Restricted Working Space, Add	29.84		
		For Elevated Installation >10' To 15', Add	9.95		
		For Elevated Installation >15' To 20', Add	19.89		
		For Elevated Installation >20' To 25', Add	24.87		
		For Elevated Installation >25' To 30', Add	34.81		
		For Elevated Installation >30' To 35', Add	39.78		
		For Elevated Installation >35' To 40', Add	49.73		
		For Elevated Installation >40', Add	54.70		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.84		
26 05 33 13-0341	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	184.59	46.14	
		For Work In Restricted Working Space, Add	34.61		
		For Elevated Installation >10' To 15', Add	11.54		
		For Elevated Installation >15' To 20', Add	23.07		
		For Elevated Installation >20' To 25', Add	28.84		
		For Elevated Installation >25' To 30', Add	40.38		
		For Elevated Installation >30' To 35', Add	46.14		
		For Elevated Installation >35' To 40', Add	57.68		
		For Elevated Installation >40', Add	63.45		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.61		
26 05 33 13-0342		Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (26 05 33 13-0060)			
		Note: Erickson fittings.			
26 05 33 13-0343	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	51.91	19.64	
		For Work In Restricted Working Space, Add	14.74		
		For Elevated Installation >10' To 15', Add	4.91		
		For Elevated Installation >15' To 20', Add	9.83		
		For Elevated Installation >20' To 25', Add	12.29		
		For Elevated Installation >25' To 30', Add	17.20		
		For Elevated Installation >30' To 35', Add	19.66		
		For Elevated Installation >35' To 40', Add	24.57		
		For Elevated Installation >40', Add	27.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.74		
26 05 33 13-0344	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	58.40	21.97	
		For Work In Restricted Working Space, Add	16.46		
		For Elevated Installation >10' To 15', Add	5.49		
		For Elevated Installation >15' To 20', Add	10.97		
		For Elevated Installation >20' To 25', Add	13.71		
		For Elevated Installation >25' To 30', Add	19.20		
		For Elevated Installation >30' To 35', Add	21.94		
		For Elevated Installation >35' To 40', Add	27.43		
		For Elevated Installation >40', Add	30.17		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.46		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0345	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	67.64	24.42
		For Work In Restricted Working Space, Add	18.33	
		For Elevated Installation >10' To 15', Add	6.11	
		For Elevated Installation >15' To 20', Add	12.22	
		For Elevated Installation >20' To 25', Add	15.27	
		For Elevated Installation >25' To 30', Add	21.38	
		For Elevated Installation >30' To 35', Add	24.44	
		For Elevated Installation >35' To 40', Add	30.55	
		For Elevated Installation >40', Add	33.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.33	
26 05 33 13-0346	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	80.83	26.75
		For Work In Restricted Working Space, Add	20.06	
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.37	
		For Elevated Installation >20' To 25', Add	16.71	
		For Elevated Installation >25' To 30', Add	23.40	
		For Elevated Installation >30' To 35', Add	26.74	
		For Elevated Installation >35' To 40', Add	33.43	
		For Elevated Installation >40', Add	36.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.06	
26 05 33 13-0347	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	89.90	29.21
		For Work In Restricted Working Space, Add	21.95	
		For Elevated Installation >10' To 15', Add	7.32	
		For Elevated Installation >15' To 20', Add	14.63	
		For Elevated Installation >20' To 25', Add	18.29	
		For Elevated Installation >25' To 30', Add	25.60	
		For Elevated Installation >30' To 35', Add	29.26	
		For Elevated Installation >35' To 40', Add	36.58	
		For Elevated Installation >40', Add	40.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.95	
26 05 33 13-0348	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	112.76	31.66
		For Work In Restricted Working Space, Add	23.76	
		For Elevated Installation >10' To 15', Add	7.92	
		For Elevated Installation >15' To 20', Add	15.84	
		For Elevated Installation >20' To 25', Add	19.80	
		For Elevated Installation >25' To 30', Add	27.72	
		For Elevated Installation >30' To 35', Add	31.68	
		For Elevated Installation >35' To 40', Add	39.61	
		For Elevated Installation >40', Add	43.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-0349	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	175.88	39.27
		For Work In Restricted Working Space, Add	29.45	
		For Elevated Installation >10' To 15', Add	9.82	
		For Elevated Installation >15' To 20', Add	19.63	
		For Elevated Installation >20' To 25', Add	24.54	
		For Elevated Installation >25' To 30', Add	34.36	
		For Elevated Installation >30' To 35', Add	39.27	
		For Elevated Installation >35' To 40', Add	49.09	
		For Elevated Installation >40', Add	53.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-0350	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	240.66	49.08
		For Work In Restricted Working Space, Add	36.81	
		For Elevated Installation >10' To 15', Add	12.27	
		For Elevated Installation >15' To 20', Add	24.54	
		For Elevated Installation >20' To 25', Add	30.68	
		For Elevated Installation >25' To 30', Add	42.95	
		For Elevated Installation >30' To 35', Add	49.08	
		For Elevated Installation >35' To 40', Add	61.36	
		For Elevated Installation >40', Add	67.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.81	
26 05 33 13-0351	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	343.77	58.91
		For Work In Restricted Working Space, Add	44.19	
		For Elevated Installation >10' To 15', Add	14.73	
		For Elevated Installation >15' To 20', Add	29.46	
		For Elevated Installation >20' To 25', Add	36.83	
		For Elevated Installation >25' To 30', Add	51.56	
		For Elevated Installation >30' To 35', Add	58.92	
		For Elevated Installation >35' To 40', Add	73.66	
		For Elevated Installation >40', Add	81.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.19	
26 05 33 13-0352	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	390.54	63.81
		For Work In Restricted Working Space, Add	47.85	
		For Elevated Installation >10' To 15', Add	15.95	
		For Elevated Installation >15' To 20', Add	31.90	
		For Elevated Installation >20' To 25', Add	39.88	
		For Elevated Installation >25' To 30', Add	55.83	
		For Elevated Installation >30' To 35', Add	63.80	
		For Elevated Installation >35' To 40', Add	79.76	
		For Elevated Installation >40', Add	87.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.85	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0353	EA		5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	670.48	78.54
			For Work In Restricted Working Space, Add	58.90	
			For Elevated Installation >10' To 15', Add	19.63	
			For Elevated Installation >15' To 20', Add	39.26	
			For Elevated Installation >20' To 25', Add	49.08	
			For Elevated Installation >25' To 30', Add	68.71	
			For Elevated Installation >30' To 35', Add	78.53	
			For Elevated Installation >35' To 40', Add	98.16	
			For Elevated Installation >40', Add	107.98	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.90	
26 05 33 13-0354	EA		6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	859.01	90.81
			For Work In Restricted Working Space, Add	68.10	
			For Elevated Installation >10' To 15', Add	22.70	
			For Elevated Installation >15' To 20', Add	45.40	
			For Elevated Installation >20' To 25', Add	56.75	
			For Elevated Installation >25' To 30', Add	79.45	
			For Elevated Installation >30' To 35', Add	90.80	
			For Elevated Installation >35' To 40', Add	113.50	
			For Elevated Installation >40', Add	124.84	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.10	
26 05 33 13-0355 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors					
			(26 05 33 13-0060)		
26 05 33 13-0356	EA		1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	30.43	9.81
			For Work In Restricted Working Space, Add	7.37	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.91	
			For Elevated Installation >20' To 25', Add	6.14	
			For Elevated Installation >25' To 30', Add	8.59	
			For Elevated Installation >30' To 35', Add	9.82	
			For Elevated Installation >35' To 40', Add	12.28	
			For Elevated Installation >40', Add	13.50	
26 05 33 13-0357	EA		3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	33.95	10.79
			For Work In Restricted Working Space, Add	8.10	
			For Elevated Installation >10' To 15', Add	2.70	
			For Elevated Installation >15' To 20', Add	5.40	
			For Elevated Installation >20' To 25', Add	6.75	
			For Elevated Installation >25' To 30', Add	9.45	
			For Elevated Installation >30' To 35', Add	10.80	
			For Elevated Installation >35' To 40', Add	13.50	
			For Elevated Installation >40', Add	14.85	
26 05 33 13-0358	EA		1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	38.96	12.27
			For Work In Restricted Working Space, Add	9.20	
			For Elevated Installation >10' To 15', Add	3.07	
			For Elevated Installation >15' To 20', Add	6.14	
			For Elevated Installation >20' To 25', Add	7.67	
			For Elevated Installation >25' To 30', Add	10.74	
			For Elevated Installation >30' To 35', Add	12.27	
			For Elevated Installation >35' To 40', Add	15.34	
			For Elevated Installation >40', Add	16.87	
26 05 33 13-0359	EA		1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	44.06	13.25
			For Work In Restricted Working Space, Add	9.94	
			For Elevated Installation >10' To 15', Add	3.31	
			For Elevated Installation >15' To 20', Add	6.63	
			For Elevated Installation >20' To 25', Add	8.28	
			For Elevated Installation >25' To 30', Add	11.60	
			For Elevated Installation >30' To 35', Add	13.25	
			For Elevated Installation >35' To 40', Add	16.57	
			For Elevated Installation >40', Add	18.22	
26 05 33 13-0360	EA		1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	52.04	14.72
			For Work In Restricted Working Space, Add	11.04	
			For Elevated Installation >10' To 15', Add	3.68	
			For Elevated Installation >15' To 20', Add	7.36	
			For Elevated Installation >20' To 25', Add	9.20	
			For Elevated Installation >25' To 30', Add	12.88	
			For Elevated Installation >30' To 35', Add	14.72	
			For Elevated Installation >35' To 40', Add	18.41	
			For Elevated Installation >40', Add	20.25	
26 05 33 13-0361	EA		2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	63.01	16.20
			For Work In Restricted Working Space, Add	12.15	
			For Elevated Installation >10' To 15', Add	4.05	
			For Elevated Installation >15' To 20', Add	8.10	
			For Elevated Installation >20' To 25', Add	10.12	
			For Elevated Installation >25' To 30', Add	14.17	
			For Elevated Installation >30' To 35', Add	16.20	
			For Elevated Installation >35' To 40', Add	20.25	
			For Elevated Installation >40', Add	22.27	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0362 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	85.17	19.64
For Work In Restricted Working Space, Add	14.72	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.63	
For Elevated Installation >35' To 40', Add	24.54	
For Elevated Installation >40', Add	26.99	
26 05 33 13-0363 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	105.40	24.55
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
26 05 33 13-0364 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	126.61	29.45
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
26 05 33 13-0365 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	142.68	31.90
For Work In Restricted Working Space, Add	23.93	
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	
26 05 33 13-0366 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0060)		
26 05 33 13-0367 EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	26.97	11.05
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.63	
26 05 33 13-0368 EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	30.06	12.27
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.59	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0369 EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	37.14	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0370 EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	45.59	18.40
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0371	EA	1-1/2"	Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	58.73	24.55
			For Work In Restricted Working Space, Add	14.72	
			For Elevated Installation >10' To 15', Add	4.91	
			For Elevated Installation >15' To 20', Add	9.82	
			For Elevated Installation >20' To 25', Add	12.27	
			For Elevated Installation >25' To 30', Add	17.18	
			For Elevated Installation >30' To 35', Add	19.63	
			For Elevated Installation >35' To 40', Add	24.54	
			For Elevated Installation >40', Add	26.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.72	
26 05 33 13-0372	EA	2"	Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	68.11	27.61
			For Work In Restricted Working Space, Add	16.57	
			For Elevated Installation >10' To 15', Add	5.52	
			For Elevated Installation >15' To 20', Add	11.04	
			For Elevated Installation >20' To 25', Add	13.81	
			For Elevated Installation >25' To 30', Add	19.33	
			For Elevated Installation >30' To 35', Add	22.09	
			For Elevated Installation >35' To 40', Add	27.61	
			For Elevated Installation >40', Add	30.37	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.57	
26 05 33 13-0373	EA	2-1/2"	Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	83.25	30.68
			For Work In Restricted Working Space, Add	18.41	
			For Elevated Installation >10' To 15', Add	6.14	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.48	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.68	
			For Elevated Installation >40', Add	33.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-0374	EA	3"	Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	111.63	38.66
			For Work In Restricted Working Space, Add	23.19	
			For Elevated Installation >10' To 15', Add	7.73	
			For Elevated Installation >15' To 20', Add	15.46	
			For Elevated Installation >20' To 25', Add	19.33	
			For Elevated Installation >25' To 30', Add	27.06	
			For Elevated Installation >30' To 35', Add	30.92	
			For Elevated Installation >35' To 40', Add	38.66	
			For Elevated Installation >40', Add	42.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-0375	EA	3-1/2"	Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	132.66	46.63
			For Work In Restricted Working Space, Add	27.98	
			For Elevated Installation >10' To 15', Add	9.33	
			For Elevated Installation >15' To 20', Add	18.65	
			For Elevated Installation >20' To 25', Add	23.32	
			For Elevated Installation >25' To 30', Add	32.64	
			For Elevated Installation >30' To 35', Add	37.30	
			For Elevated Installation >35' To 40', Add	46.63	
			For Elevated Installation >40', Add	51.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.98	
26 05 33 13-0376	EA	4"	Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	162.39	55.22
			For Work In Restricted Working Space, Add	33.13	
			For Elevated Installation >10' To 15', Add	11.04	
			For Elevated Installation >15' To 20', Add	22.09	
			For Elevated Installation >20' To 25', Add	27.61	
			For Elevated Installation >25' To 30', Add	38.65	
			For Elevated Installation >30' To 35', Add	44.18	
			For Elevated Installation >35' To 40', Add	55.22	
			For Elevated Installation >40', Add	60.74	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.13	
26 05 33 13-0377			Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement ^(26 05 33 13-0080)		
			Note: Type AX		
26 05 33 13-0378	EA	1/2"	Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	131.52	19.64
			For Work In Restricted Working Space, Add	14.73	
			For Elevated Installation >10' To 15', Add	4.91	
			For Elevated Installation >15' To 20', Add	9.82	
			For Elevated Installation >20' To 25', Add	12.27	
			For Elevated Installation >25' To 30', Add	17.18	
			For Elevated Installation >30' To 35', Add	19.64	
			For Elevated Installation >35' To 40', Add	24.55	
			For Elevated Installation >40', Add	27.00	
26 05 33 13-0379	EA	3/4"	Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	149.32	22.09
			For Work In Restricted Working Space, Add	16.57	
			For Elevated Installation >10' To 15', Add	5.52	
			For Elevated Installation >15' To 20', Add	11.04	
			For Elevated Installation >20' To 25', Add	13.81	
			For Elevated Installation >25' To 30', Add	19.33	
			For Elevated Installation >30' To 35', Add	22.09	
			For Elevated Installation >35' To 40', Add	27.61	
			For Elevated Installation >40', Add	30.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0380 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	177.13	24.55
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
26 05 33 13-0381 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	217.45	26.99
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.62	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.12	
26 05 33 13-0382 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	274.02	29.45
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.72	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.81	
For Elevated Installation >40', Add	40.49	
26 05 33 13-0383 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	380.35	31.90
For Work In Restricted Working Space, Add	23.93	
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.91	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.86	
26 05 33 13-0384 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	584.11	39.27
For Work In Restricted Working Space, Add	29.45	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
26 05 33 13-0385 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	748.57	49.08
For Work In Restricted Working Space, Add	36.81	
For Elevated Installation >10' To 15', Add	12.27	
For Elevated Installation >15' To 20', Add	24.54	
For Elevated Installation >20' To 25', Add	30.68	
For Elevated Installation >25' To 30', Add	42.95	
For Elevated Installation >30' To 35', Add	49.08	
For Elevated Installation >35' To 40', Add	61.36	
For Elevated Installation >40', Add	67.49	
26 05 33 13-0386 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,095.04	58.91
For Work In Restricted Working Space, Add	44.18	
For Elevated Installation >10' To 15', Add	14.73	
For Elevated Installation >15' To 20', Add	29.45	
For Elevated Installation >20' To 25', Add	36.82	
For Elevated Installation >25' To 30', Add	51.54	
For Elevated Installation >30' To 35', Add	58.91	
For Elevated Installation >35' To 40', Add	73.64	
For Elevated Installation >40', Add	81.00	
26 05 33 13-0387 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,167.12	63.81
For Work In Restricted Working Space, Add	47.85	
For Elevated Installation >10' To 15', Add	15.95	
For Elevated Installation >15' To 20', Add	31.90	
For Elevated Installation >20' To 25', Add	39.88	
For Elevated Installation >25' To 30', Add	55.83	
For Elevated Installation >30' To 35', Add	63.80	
For Elevated Installation >35' To 40', Add	79.76	
For Elevated Installation >40', Add	87.73	
26 05 33 13-0388 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,791.03	78.54
For Work In Restricted Working Space, Add	58.90	
For Elevated Installation >10' To 15', Add	19.63	
For Elevated Installation >15' To 20', Add	39.27	
For Elevated Installation >20' To 25', Add	49.09	
For Elevated Installation >25' To 30', Add	68.72	
For Elevated Installation >30' To 35', Add	78.54	
For Elevated Installation >35' To 40', Add	98.17	
For Elevated Installation >40', Add	107.99	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
26 05 33 13-0389	EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	2,201.78 65.38 21.79 43.59 54.49 76.28 87.18 108.97 119.87		87.13
26 05 33 13-0390	Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement ^(26 05 33 13-0390) Note: Type AX-8			
26 05 33 13-0391	EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	145.30 14.73 4.91 9.82 12.27 17.18 19.64 24.55 27.00		19.64
26 05 33 13-0392	EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	161.53 16.57 5.52 11.04 13.81 19.33 22.09 27.61 30.37		22.09
26 05 33 13-0393	EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	196.29 18.41 6.14 12.27 15.34 21.48 24.54 30.68 33.75		24.55
26 05 33 13-0394	EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	247.62 20.25 6.75 13.50 16.87 23.62 27.00 33.75 37.12		26.99
26 05 33 13-0395	EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	333.98 22.09 7.36 14.72 18.41 25.77 29.45 36.81 40.49		29.45
26 05 33 13-0396	EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	409.00 23.93 7.98 15.95 19.94 27.91 31.90 39.88 43.86		31.90
26 05 33 13-0397	EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	769.83 29.45 9.82 19.63 24.54 34.36 39.27 49.09 53.99		39.27
26 05 33 13-0398	EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	875.40 36.81 12.27 24.54 30.68 42.95 49.08 61.36 67.49		49.08

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0399 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,345.67	58.91
For Work In Restricted Working Space, Add	44.18	
For Elevated Installation >10' To 15', Add	14.73	
For Elevated Installation >15' To 20', Add	29.45	
For Elevated Installation >20' To 25', Add	36.82	
For Elevated Installation >25' To 30', Add	51.54	
For Elevated Installation >30' To 35', Add	58.91	
For Elevated Installation >35' To 40', Add	73.64	
For Elevated Installation >40', Add	81.00	
26 05 33 13-0400 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,456.80	63.81
For Work In Restricted Working Space, Add	47.85	
For Elevated Installation >10' To 15', Add	15.95	
For Elevated Installation >15' To 20', Add	31.90	
For Elevated Installation >20' To 25', Add	39.88	
For Elevated Installation >25' To 30', Add	55.83	
For Elevated Installation >30' To 35', Add	63.80	
For Elevated Installation >35' To 40', Add	79.76	
For Elevated Installation >40', Add	87.73	
26 05 33 13-0401 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	2,035.22	78.54
For Work In Restricted Working Space, Add	58.90	
For Elevated Installation >10' To 15', Add	19.63	
For Elevated Installation >15' To 20', Add	39.27	
For Elevated Installation >20' To 25', Add	49.09	
For Elevated Installation >25' To 30', Add	68.72	
For Elevated Installation >30' To 35', Add	78.54	
For Elevated Installation >35' To 40', Add	98.17	
For Elevated Installation >40', Add	107.99	
26 05 33 13-0402 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	2,515.94	87.13
For Work In Restricted Working Space, Add	65.38	
For Elevated Installation >10' To 15', Add	21.79	
For Elevated Installation >15' To 20', Add	43.59	
For Elevated Installation >20' To 25', Add	54.49	
For Elevated Installation >25' To 30', Add	76.28	
For Elevated Installation >30' To 35', Add	87.18	
For Elevated Installation >35' To 40', Add	108.97	
For Elevated Installation >40', Add	119.87	
26 05 33 13-0403 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion		
Fittings, 8" Conduit Movement (26 05 33 13-0060)		
Note: Type EX		
26 05 33 13-0404 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	165.48	19.64
For Work In Restricted Working Space, Add	14.73	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.64	
For Elevated Installation >35' To 40', Add	24.55	
For Elevated Installation >40', Add	27.00	
26 05 33 13-0405 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	209.09	22.09
For Work In Restricted Working Space, Add	16.57	
For Elevated Installation >10' To 15', Add	5.52	
For Elevated Installation >15' To 20', Add	11.04	
For Elevated Installation >20' To 25', Add	13.81	
For Elevated Installation >25' To 30', Add	19.33	
For Elevated Installation >30' To 35', Add	22.09	
For Elevated Installation >35' To 40', Add	27.61	
For Elevated Installation >40', Add	30.37	
26 05 33 13-0406 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	260.53	24.55
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
26 05 33 13-0407 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	317.18	26.99
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.62	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.12	
26 05 33 13-0408 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	428.17	29.45
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.72	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.81	
For Elevated Installation >40', Add	40.49	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0409	EA		2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	591.02	31.90
			For Work In Restricted Working Space, Add	23.93	
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.95	
			For Elevated Installation >20' To 25', Add	19.94	
			For Elevated Installation >25' To 30', Add	27.91	
			For Elevated Installation >30' To 35', Add	31.90	
			For Elevated Installation >35' To 40', Add	39.88	
			For Elevated Installation >40', Add	43.86	
26 05 33 13-0410	EA		2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	919.69	39.27
			For Work In Restricted Working Space, Add	29.45	
			For Elevated Installation >10' To 15', Add	9.82	
			For Elevated Installation >15' To 20', Add	19.63	
			For Elevated Installation >20' To 25', Add	24.54	
			For Elevated Installation >25' To 30', Add	34.36	
			For Elevated Installation >30' To 35', Add	39.27	
			For Elevated Installation >35' To 40', Add	49.09	
			For Elevated Installation >40', Add	53.99	
26 05 33 13-0411	EA		3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,240.26	49.08
			For Work In Restricted Working Space, Add	36.81	
			For Elevated Installation >10' To 15', Add	12.27	
			For Elevated Installation >15' To 20', Add	24.54	
			For Elevated Installation >20' To 25', Add	30.68	
			For Elevated Installation >25' To 30', Add	42.95	
			For Elevated Installation >30' To 35', Add	49.08	
			For Elevated Installation >35' To 40', Add	61.36	
			For Elevated Installation >40', Add	67.49	
26 05 33 13-0412	EA		3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,864.62	58.91
			For Work In Restricted Working Space, Add	44.18	
			For Elevated Installation >10' To 15', Add	14.73	
			For Elevated Installation >15' To 20', Add	29.45	
			For Elevated Installation >20' To 25', Add	36.82	
			For Elevated Installation >25' To 30', Add	51.54	
			For Elevated Installation >30' To 35', Add	58.91	
			For Elevated Installation >35' To 40', Add	73.64	
			For Elevated Installation >40', Add	81.00	
26 05 33 13-0413	EA		4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,929.49	63.81
			For Work In Restricted Working Space, Add	47.85	
			For Elevated Installation >10' To 15', Add	15.95	
			For Elevated Installation >15' To 20', Add	31.90	
			For Elevated Installation >20' To 25', Add	39.88	
			For Elevated Installation >25' To 30', Add	55.83	
			For Elevated Installation >30' To 35', Add	63.80	
			For Elevated Installation >35' To 40', Add	79.76	
			For Elevated Installation >40', Add	87.73	
26 05 33 13-0414	EA		5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,906.53	78.54
			For Work In Restricted Working Space, Add	58.90	
			For Elevated Installation >10' To 15', Add	19.63	
			For Elevated Installation >15' To 20', Add	39.27	
			For Elevated Installation >20' To 25', Add	49.09	
			For Elevated Installation >25' To 30', Add	68.72	
			For Elevated Installation >30' To 35', Add	78.54	
			For Elevated Installation >35' To 40', Add	98.17	
			For Elevated Installation >40', Add	107.99	
26 05 33 13-0415	EA		6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	3,604.81	87.13
			For Work In Restricted Working Space, Add	65.38	
			For Elevated Installation >10' To 15', Add	21.79	
			For Elevated Installation >15' To 20', Add	43.59	
			For Elevated Installation >20' To 25', Add	54.49	
			For Elevated Installation >25' To 30', Add	76.28	
			For Elevated Installation >30' To 35', Add	87.18	
			For Elevated Installation >35' To 40', Add	108.97	
			For Elevated Installation >40', Add	119.87	
26 05 33 13-0416			Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings (26 05 33 13-0060)		
			Note: Type DX		
26 05 33 13-0417	EA		1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	289.85	19.64
			For Work In Restricted Working Space, Add	14.73	
			For Elevated Installation >10' To 15', Add	4.91	
			For Elevated Installation >15' To 20', Add	9.82	
			For Elevated Installation >20' To 25', Add	12.27	
			For Elevated Installation >25' To 30', Add	17.18	
			For Elevated Installation >30' To 35', Add	19.64	
			For Elevated Installation >35' To 40', Add	24.55	
			For Elevated Installation >40', Add	27.00	
26 05 33 13-0418	EA		3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	345.49	22.09
			For Work In Restricted Working Space, Add	16.57	
			For Elevated Installation >10' To 15', Add	5.52	
			For Elevated Installation >15' To 20', Add	11.04	
			For Elevated Installation >20' To 25', Add	13.81	
			For Elevated Installation >25' To 30', Add	19.33	
			For Elevated Installation >30' To 35', Add	22.09	
			For Elevated Installation >35' To 40', Add	27.61	
			For Elevated Installation >40', Add	30.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0419 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	417.94	24.55
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
26 05 33 13-0420 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	491.59	26.99
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.62	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.12	
26 05 33 13-0421 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	543.68	29.45
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.72	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.81	
For Elevated Installation >40', Add	40.49	
26 05 33 13-0422 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	672.59	31.90
For Work In Restricted Working Space, Add	23.93	
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.91	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.86	
26 05 33 13-0423 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	889.40	39.27
For Work In Restricted Working Space, Add	29.45	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
26 05 33 13-0424 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,128.03	49.08
For Work In Restricted Working Space, Add	36.81	
For Elevated Installation >10' To 15', Add	12.27	
For Elevated Installation >15' To 20', Add	24.54	
For Elevated Installation >20' To 25', Add	30.68	
For Elevated Installation >25' To 30', Add	42.95	
For Elevated Installation >30' To 35', Add	49.08	
For Elevated Installation >35' To 40', Add	61.36	
For Elevated Installation >40', Add	67.49	
26 05 33 13-0425 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,268.73	58.91
For Work In Restricted Working Space, Add	44.18	
For Elevated Installation >10' To 15', Add	14.73	
For Elevated Installation >15' To 20', Add	29.45	
For Elevated Installation >20' To 25', Add	36.82	
For Elevated Installation >25' To 30', Add	51.54	
For Elevated Installation >30' To 35', Add	58.91	
For Elevated Installation >35' To 40', Add	73.64	
For Elevated Installation >40', Add	81.00	
26 05 33 13-0426 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,539.59	63.81
For Work In Restricted Working Space, Add	47.85	
For Elevated Installation >10' To 15', Add	15.95	
For Elevated Installation >15' To 20', Add	31.90	
For Elevated Installation >20' To 25', Add	39.88	
For Elevated Installation >25' To 30', Add	55.83	
For Elevated Installation >30' To 35', Add	63.80	
For Elevated Installation >35' To 40', Add	79.76	
For Elevated Installation >40', Add	87.73	
26 05 33 13-0427 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,637.67	78.54
For Work In Restricted Working Space, Add	58.90	
For Elevated Installation >10' To 15', Add	19.63	
For Elevated Installation >15' To 20', Add	39.27	
For Elevated Installation >20' To 25', Add	49.09	
For Elevated Installation >25' To 30', Add	68.72	
For Elevated Installation >30' To 35', Add	78.54	
For Elevated Installation >35' To 40', Add	98.17	
For Elevated Installation >40', Add	107.99	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
26 05 33 13-0428	EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	4,199.41		87.13
	For Work In Restricted Working Space, Add	65.38		
	For Elevated Installation >10' To 15', Add	21.79		
	For Elevated Installation >15' To 20', Add	43.59		
	For Elevated Installation >20' To 25', Add	54.49		
	For Elevated Installation >25' To 30', Add	76.28		
	For Elevated Installation >30' To 35', Add	87.18		
	For Elevated Installation >35' To 40', Add	108.97		
	For Elevated Installation >40', Add	119.87		
26 05 33 13-0429	Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0060)			
26 05 33 13-0430	EA 1/2" To 3/4" Conduit, 14" Bonding Jumper	74.19		9.81
	For Work In Restricted Working Space, Add	7.37		
	For Elevated Installation >10' To 15', Add	2.46		
	For Elevated Installation >15' To 20', Add	4.91		
	For Elevated Installation >20' To 25', Add	6.14		
	For Elevated Installation >25' To 30', Add	8.59		
	For Elevated Installation >30' To 35', Add	9.82		
	For Elevated Installation >35' To 40', Add	12.28		
	For Elevated Installation >40', Add	13.50		
26 05 33 13-0431	EA 1" To 1-1/4" Conduit, 14" Bonding Jumper	85.33		12.27
	For Work In Restricted Working Space, Add	9.20		
	For Elevated Installation >10' To 15', Add	3.07		
	For Elevated Installation >15' To 20', Add	6.14		
	For Elevated Installation >20' To 25', Add	7.67		
	For Elevated Installation >25' To 30', Add	10.74		
	For Elevated Installation >30' To 35', Add	12.27		
	For Elevated Installation >35' To 40', Add	15.34		
	For Elevated Installation >40', Add	16.87		
26 05 33 13-0432	EA 1-1/2" To 2" Conduit, 14" Bonding Jumper	105.26		14.72
	For Work In Restricted Working Space, Add	11.04		
	For Elevated Installation >10' To 15', Add	3.68		
	For Elevated Installation >15' To 20', Add	7.36		
	For Elevated Installation >20' To 25', Add	9.20		
	For Elevated Installation >25' To 30', Add	12.88		
	For Elevated Installation >30' To 35', Add	14.72		
	For Elevated Installation >35' To 40', Add	18.41		
	For Elevated Installation >40', Add	20.25		
26 05 33 13-0433	EA 2-1/2" To 3" Conduit, 14" Bonding Jumper	147.99		19.64
	For Work In Restricted Working Space, Add	14.72		
	For Elevated Installation >10' To 15', Add	4.91		
	For Elevated Installation >15' To 20', Add	9.82		
	For Elevated Installation >20' To 25', Add	12.27		
	For Elevated Installation >25' To 30', Add	17.18		
	For Elevated Installation >30' To 35', Add	19.63		
	For Elevated Installation >35' To 40', Add	24.54		
	For Elevated Installation >40', Add	26.99		
26 05 33 13-0434	EA 3-1/2" To 4" Conduit, 14" Bonding Jumper	224.26		29.45
	For Work In Restricted Working Space, Add	22.09		
	For Elevated Installation >10' To 15', Add	7.36		
	For Elevated Installation >15' To 20', Add	14.73		
	For Elevated Installation >20' To 25', Add	18.41		
	For Elevated Installation >25' To 30', Add	25.77		
	For Elevated Installation >30' To 35', Add	29.45		
	For Elevated Installation >35' To 40', Add	36.82		
	For Elevated Installation >40', Add	40.50		
26 05 33 13-0435	EA 5" To 6" Conduit, 14" Bonding Jumper	384.36		39.27
	For Work In Restricted Working Space, Add	29.45		
	For Elevated Installation >10' To 15', Add	9.82		
	For Elevated Installation >15' To 20', Add	19.63		
	For Elevated Installation >20' To 25', Add	24.54		
	For Elevated Installation >25' To 30', Add	34.36		
	For Elevated Installation >30' To 35', Add	39.27		
	For Elevated Installation >35' To 40', Add	49.09		
	For Elevated Installation >40', Add	53.99		
26 05 33 13-0436	EA 1/2" To 3/4" Conduit, 24" Bonding Jumper	82.69		9.81
	For Work In Restricted Working Space, Add	7.37		
	For Elevated Installation >10' To 15', Add	2.46		
	For Elevated Installation >15' To 20', Add	4.91		
	For Elevated Installation >20' To 25', Add	6.14		
	For Elevated Installation >25' To 30', Add	8.59		
	For Elevated Installation >30' To 35', Add	9.82		
	For Elevated Installation >35' To 40', Add	12.28		
	For Elevated Installation >40', Add	13.50		
26 05 33 13-0437	EA 1" To 1-1/4" Conduit, 24" Bonding Jumper	96.08		12.27
	For Work In Restricted Working Space, Add	9.20		
	For Elevated Installation >10' To 15', Add	3.07		
	For Elevated Installation >15' To 20', Add	6.14		
	For Elevated Installation >20' To 25', Add	7.67		
	For Elevated Installation >25' To 30', Add	10.74		
	For Elevated Installation >30' To 35', Add	12.27		
	For Elevated Installation >35' To 40', Add	15.34		
	For Elevated Installation >40', Add	16.87		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0438 EA 1-1/2" To 2" Conduit, 24" Bonding Jumper	115.09	14.72
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
26 05 33 13-0439 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper	161.05	19.64
For Work In Restricted Working Space, Add	14.72	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.63	
For Elevated Installation >35' To 40', Add	24.54	
For Elevated Installation >40', Add	26.99	
26 05 33 13-0440 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper	241.59	29.45
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
26 05 33 13-0441 EA 5" To 6" Conduit, 24" Bonding Jumper	440.25	39.27
For Work In Restricted Working Space, Add	29.45	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
26 05 33 13-0442 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0060)		
26 05 33 13-0443 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	102.13	30.68
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-0444 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	121.52	36.81
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.09	
26 05 33 13-0445 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	147.44	42.95
For Work In Restricted Working Space, Add	25.77	
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.18	
For Elevated Installation >20' To 25', Add	21.48	
For Elevated Installation >25' To 30', Add	30.07	
For Elevated Installation >30' To 35', Add	34.36	
For Elevated Installation >35' To 40', Add	42.95	
For Elevated Installation >40', Add	47.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.77	
26 05 33 13-0446 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	172.91	49.08
For Work In Restricted Working Space, Add	29.45	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0447	EA	1-1/2"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.96 33.13 11.04 22.09 27.61 38.65 44.18 55.22 60.74 33.13	55.22
26 05 33 13-0448	EA	2"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	268.49 36.81 12.27 24.54 30.68 42.95 49.08 61.36 67.49 36.81	61.36
26 05 33 13-0449	EA	2-1/2"	Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	373.76 44.18 14.73 29.45 36.82 51.54 58.90 73.63 80.99 44.18	73.63
26 05 33 13-0450	EA	3"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	448.47 51.54 17.18 34.36 42.95 60.13 68.72 85.90 94.48 51.54	85.90
26 05 33 13-0451	EA	3-1/2"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	994.31 58.90 19.63 39.27 49.09 68.72 78.54 98.17 107.99 58.90	98.17
26 05 33 13-0452	EA	4"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,144.41 66.26 22.09 44.18 55.22 77.31 88.35 110.44 121.48 66.26	110.44
26 05 33 13-0453 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0060)					
26 05 33 13-0454	EA	1/2"	Rigid Galvanized Steel (RGS) Threaded Coupling..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	16.17 4.42 1.47 2.94 3.68 5.15 5.89 7.36 8.10	7.37
26 05 33 13-0455	EA	3/4"	Rigid Galvanized Steel (RGS) Threaded Coupling..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	22.68 6.26 2.09 4.17 5.22 7.30 8.34 10.43 11.47	10.43

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0456 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	29.76	13.50
For Work In Restricted Working Space, Add	8.10	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.40	
For Elevated Installation >20' To 25', Add	6.75	
For Elevated Installation >25' To 30', Add	9.45	
For Elevated Installation >30' To 35', Add	10.80	
For Elevated Installation >35' To 40', Add	13.50	
For Elevated Installation >40', Add	14.84	
26 05 33 13-0457 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	34.18	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
26 05 33 13-0458 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	41.19	18.40
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
26 05 33 13-0459 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	48.26	20.86
For Work In Restricted Working Space, Add	12.52	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.35	
For Elevated Installation >20' To 25', Add	10.43	
For Elevated Installation >25' To 30', Add	14.61	
For Elevated Installation >30' To 35', Add	16.69	
For Elevated Installation >35' To 40', Add	20.87	
For Elevated Installation >40', Add	22.95	
26 05 33 13-0460 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	61.29	23.31
For Work In Restricted Working Space, Add	13.99	
For Elevated Installation >10' To 15', Add	4.66	
For Elevated Installation >15' To 20', Add	9.33	
For Elevated Installation >20' To 25', Add	11.66	
For Elevated Installation >25' To 30', Add	16.32	
For Elevated Installation >30' To 35', Add	18.65	
For Elevated Installation >35' To 40', Add	23.32	
For Elevated Installation >40', Add	25.65	
26 05 33 13-0461 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	71.82	26.38
For Work In Restricted Working Space, Add	15.83	
For Elevated Installation >10' To 15', Add	5.28	
For Elevated Installation >15' To 20', Add	10.55	
For Elevated Installation >20' To 25', Add	13.19	
For Elevated Installation >25' To 30', Add	18.47	
For Elevated Installation >30' To 35', Add	21.10	
For Elevated Installation >35' To 40', Add	26.38	
For Elevated Installation >40', Add	29.02	
26 05 33 13-0462 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	83.42	28.84
For Work In Restricted Working Space, Add	17.30	
For Elevated Installation >10' To 15', Add	5.77	
For Elevated Installation >15' To 20', Add	11.53	
For Elevated Installation >20' To 25', Add	14.42	
For Elevated Installation >25' To 30', Add	20.18	
For Elevated Installation >30' To 35', Add	23.07	
For Elevated Installation >35' To 40', Add	28.84	
For Elevated Installation >40', Add	31.72	
26 05 33 13-0463 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	88.18	30.68
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
26 05 33 13-0464 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0060)		
26 05 33 13-0465 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.74	1.22
26 05 33 13-0466 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.16	1.84
26 05 33 13-0467 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.57	3.07
26 05 33 13-0468 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	12.40	4.30
26 05 33 13-0469 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	14.84	4.91
26 05 33 13-0470 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	17.46	5.52
26 05 33 13-0471 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0060)		



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0472 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	199.67	14.89
For Work In Restricted Working Space, Add	11.17	
For Elevated Installation >10' To 15', Add	3.72	
For Elevated Installation >15' To 20', Add	7.45	
For Elevated Installation >20' To 25', Add	9.31	
For Elevated Installation >25' To 30', Add	13.03	
For Elevated Installation >30' To 35', Add	14.89	
For Elevated Installation >35' To 40', Add	18.62	
For Elevated Installation >40', Add	20.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 05 33 13-0473 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	203.26	16.32
For Work In Restricted Working Space, Add	12.25	
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.16	
For Elevated Installation >20' To 25', Add	10.21	
For Elevated Installation >25' To 30', Add	14.29	
For Elevated Installation >30' To 35', Add	16.33	
For Elevated Installation >35' To 40', Add	20.41	
For Elevated Installation >40', Add	22.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	
26 05 33 13-0474 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	243.51	17.91
For Work In Restricted Working Space, Add	13.41	
For Elevated Installation >10' To 15', Add	4.47	
For Elevated Installation >15' To 20', Add	8.94	
For Elevated Installation >20' To 25', Add	11.18	
For Elevated Installation >25' To 30', Add	15.65	
For Elevated Installation >30' To 35', Add	17.88	
For Elevated Installation >35' To 40', Add	22.35	
For Elevated Installation >40', Add	24.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.41	
26 05 33 13-0475 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	267.33	19.64
For Work In Restricted Working Space, Add	14.74	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.28	
For Elevated Installation >25' To 30', Add	17.19	
For Elevated Installation >30' To 35', Add	19.65	
For Elevated Installation >35' To 40', Add	24.56	
For Elevated Installation >40', Add	27.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.74	
26 05 33 13-0476 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	304.95	22.09
For Work In Restricted Working Space, Add	16.57	
For Elevated Installation >10' To 15', Add	5.52	
For Elevated Installation >15' To 20', Add	11.04	
For Elevated Installation >20' To 25', Add	13.81	
For Elevated Installation >25' To 30', Add	19.33	
For Elevated Installation >30' To 35', Add	22.09	
For Elevated Installation >35' To 40', Add	27.61	
For Elevated Installation >40', Add	30.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.57	
26 05 33 13-0477 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	449.32	24.55
For Work In Restricted Working Space, Add	18.42	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.28	
For Elevated Installation >20' To 25', Add	15.35	
For Elevated Installation >25' To 30', Add	21.49	
For Elevated Installation >30' To 35', Add	24.56	
For Elevated Installation >35' To 40', Add	30.70	
For Elevated Installation >40', Add	33.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.42	
26 05 33 13-0478 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	518.28	32.77
For Work In Restricted Working Space, Add	24.56	
For Elevated Installation >10' To 15', Add	8.19	
For Elevated Installation >15' To 20', Add	16.37	
For Elevated Installation >20' To 25', Add	20.47	
For Elevated Installation >25' To 30', Add	28.65	
For Elevated Installation >30' To 35', Add	32.74	
For Elevated Installation >35' To 40', Add	40.93	
For Elevated Installation >40', Add	45.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.56	
26 05 33 13-0479 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	574.86	35.95
For Work In Restricted Working Space, Add	26.99	
For Elevated Installation >10' To 15', Add	9.00	
For Elevated Installation >15' To 20', Add	17.99	
For Elevated Installation >20' To 25', Add	22.49	
For Elevated Installation >25' To 30', Add	31.48	
For Elevated Installation >30' To 35', Add	35.98	
For Elevated Installation >35' To 40', Add	44.98	
For Elevated Installation >40', Add	49.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.99	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0480 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	667.96	39.27
For Work In Restricted Working Space, Add	29.46	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.64	
For Elevated Installation >20' To 25', Add	24.55	
For Elevated Installation >25' To 30', Add	34.37	
For Elevated Installation >30' To 35', Add	39.28	
For Elevated Installation >35' To 40', Add	49.10	
For Elevated Installation >40', Add	54.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.46	
26 05 33 13-0481 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	752.94	44.17
For Work In Restricted Working Space, Add	33.13	
For Elevated Installation >10' To 15', Add	11.04	
For Elevated Installation >15' To 20', Add	22.09	
For Elevated Installation >20' To 25', Add	27.61	
For Elevated Installation >25' To 30', Add	38.65	
For Elevated Installation >30' To 35', Add	44.18	
For Elevated Installation >35' To 40', Add	55.22	
For Elevated Installation >40', Add	60.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.13	
26 05 33 13-0482 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,007.66	49.08
For Work In Restricted Working Space, Add	36.81	
For Elevated Installation >10' To 15', Add	12.27	
For Elevated Installation >15' To 20', Add	24.54	
For Elevated Installation >20' To 25', Add	30.68	
For Elevated Installation >25' To 30', Add	42.95	
For Elevated Installation >30' To 35', Add	49.08	
For Elevated Installation >35' To 40', Add	61.36	
For Elevated Installation >40', Add	67.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.81	
26 05 33 13-0483 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,251.50	54.49
For Work In Restricted Working Space, Add	40.86	
For Elevated Installation >10' To 15', Add	13.62	
For Elevated Installation >15' To 20', Add	27.24	
For Elevated Installation >20' To 25', Add	34.05	
For Elevated Installation >25' To 30', Add	47.67	
For Elevated Installation >30' To 35', Add	54.48	
For Elevated Installation >35' To 40', Add	68.11	
For Elevated Installation >40', Add	74.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.86	
26 05 33 13-0484 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0060)		
26 05 33 13-0485 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	20.01	9.51
For Work In Restricted Working Space, Add	5.71	
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.76	
For Elevated Installation >25' To 30', Add	6.66	
For Elevated Installation >30' To 35', Add	7.61	
For Elevated Installation >35' To 40', Add	9.51	
For Elevated Installation >40', Add	10.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.71	
26 05 33 13-0486 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	22.07	10.12
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.06	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.10	
For Elevated Installation >35' To 40', Add	10.13	
For Elevated Installation >40', Add	11.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0487 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	22.68	10.43
For Work In Restricted Working Space, Add	6.26	
For Elevated Installation >10' To 15', Add	2.09	
For Elevated Installation >15' To 20', Add	4.17	
For Elevated Installation >20' To 25', Add	5.22	
For Elevated Installation >25' To 30', Add	7.30	
For Elevated Installation >30' To 35', Add	8.34	
For Elevated Installation >35' To 40', Add	10.43	
For Elevated Installation >40', Add	11.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-0488 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	26.20	10.73
For Work In Restricted Working Space, Add	6.44	
For Elevated Installation >10' To 15', Add	2.15	
For Elevated Installation >15' To 20', Add	4.30	
For Elevated Installation >20' To 25', Add	5.37	
For Elevated Installation >25' To 30', Add	7.52	
For Elevated Installation >30' To 35', Add	8.59	
For Elevated Installation >35' To 40', Add	10.74	
For Elevated Installation >40', Add	11.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0489 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	26.81	11.05
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.63	
26 05 33 13-0490 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	28.03	11.66
For Work In Restricted Working Space, Add	6.99	
For Elevated Installation >10' To 15', Add	2.33	
For Elevated Installation >15' To 20', Add	4.66	
For Elevated Installation >20' To 25', Add	5.83	
For Elevated Installation >25' To 30', Add	8.16	
For Elevated Installation >30' To 35', Add	9.32	
For Elevated Installation >35' To 40', Add	11.66	
For Elevated Installation >40', Add	12.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-0491 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	30.27	12.27
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.59	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0492 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	30.88	12.58
For Work In Restricted Working Space, Add	7.55	
For Elevated Installation >10' To 15', Add	2.52	
For Elevated Installation >15' To 20', Add	5.03	
For Elevated Installation >20' To 25', Add	6.29	
For Elevated Installation >25' To 30', Add	8.81	
For Elevated Installation >30' To 35', Add	10.06	
For Elevated Installation >35' To 40', Add	12.58	
For Elevated Installation >40', Add	13.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33 13-0493 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	32.10	13.19
For Work In Restricted Working Space, Add	7.91	
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.28	
For Elevated Installation >20' To 25', Add	6.60	
For Elevated Installation >25' To 30', Add	9.23	
For Elevated Installation >30' To 35', Add	10.55	
For Elevated Installation >35' To 40', Add	13.19	
For Elevated Installation >40', Add	14.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-0494 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	33.33	13.80
For Work In Restricted Working Space, Add	8.28	
For Elevated Installation >10' To 15', Add	2.76	
For Elevated Installation >15' To 20', Add	5.52	
For Elevated Installation >20' To 25', Add	6.90	
For Elevated Installation >25' To 30', Add	9.66	
For Elevated Installation >30' To 35', Add	11.04	
For Elevated Installation >35' To 40', Add	13.81	
For Elevated Installation >40', Add	15.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.28	
26 05 33 13-0495 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	40.17	13.80
For Work In Restricted Working Space, Add	8.28	
For Elevated Installation >10' To 15', Add	2.76	
For Elevated Installation >15' To 20', Add	5.52	
For Elevated Installation >20' To 25', Add	6.90	
For Elevated Installation >25' To 30', Add	9.66	
For Elevated Installation >30' To 35', Add	11.04	
For Elevated Installation >35' To 40', Add	13.81	
For Elevated Installation >40', Add	15.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.28	
26 05 33 13-0496 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	40.78	14.11
For Work In Restricted Working Space, Add	8.47	
For Elevated Installation >10' To 15', Add	2.82	
For Elevated Installation >15' To 20', Add	5.64	
For Elevated Installation >20' To 25', Add	7.06	
For Elevated Installation >25' To 30', Add	9.88	
For Elevated Installation >30' To 35', Add	11.29	
For Elevated Installation >35' To 40', Add	14.11	
For Elevated Installation >40', Add	15.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.47	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0497 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	42.01	14.72
For Work In Restricted Working Space, Add	8.84	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.89	
For Elevated Installation >20' To 25', Add	7.36	
For Elevated Installation >25' To 30', Add	10.31	
For Elevated Installation >30' To 35', Add	11.78	
For Elevated Installation >35' To 40', Add	14.73	
For Elevated Installation >40', Add	16.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 05 33 13-0498 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	43.24	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0499 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	46.31	16.87
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.75	
For Elevated Installation >20' To 25', Add	8.44	
For Elevated Installation >25' To 30', Add	11.81	
For Elevated Installation >30' To 35', Add	13.50	
For Elevated Installation >35' To 40', Add	16.88	
For Elevated Installation >40', Add	18.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0500 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	58.49	19.94
For Work In Restricted Working Space, Add	11.96	
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-0501 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0060)		
26 05 33 13-0502 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts	2.55	1.22
For Work In Restricted Working Space, Add	0.74	
For Elevated Installation >10' To 15', Add	0.25	
For Elevated Installation >15' To 20', Add	0.49	
For Elevated Installation >20' To 25', Add	0.62	
For Elevated Installation >25' To 30', Add	0.86	
For Elevated Installation >30' To 35', Add	0.98	
For Elevated Installation >35' To 40', Add	1.23	
For Elevated Installation >40', Add	1.35	
26 05 33 13-0503 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts	3.81	1.84
For Work In Restricted Working Space, Add	1.10	
For Elevated Installation >10' To 15', Add	0.37	
For Elevated Installation >15' To 20', Add	0.74	
For Elevated Installation >20' To 25', Add	0.92	
For Elevated Installation >25' To 30', Add	1.29	
For Elevated Installation >30' To 35', Add	1.47	
For Elevated Installation >35' To 40', Add	1.84	
For Elevated Installation >40', Add	2.02	
26 05 33 13-0504 EA 1" Rigid Galvanized Steel (RGS) Locknuts	6.34	3.07
For Work In Restricted Working Space, Add	1.84	
For Elevated Installation >10' To 15', Add	0.61	
For Elevated Installation >15' To 20', Add	1.23	
For Elevated Installation >20' To 25', Add	1.53	
For Elevated Installation >25' To 30', Add	2.15	
For Elevated Installation >30' To 35', Add	2.45	
For Elevated Installation >35' To 40', Add	3.07	
For Elevated Installation >40', Add	3.37	
26 05 33 13-0505 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts	8.94	4.30
For Work In Restricted Working Space, Add	2.58	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.01	
For Elevated Installation >30' To 35', Add	3.44	
For Elevated Installation >35' To 40', Add	4.30	
For Elevated Installation >40', Add	4.72	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0506 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	10.26 2.94 0.98 1.96 2.45 3.43 3.92 4.91 5.40	4.91
26 05 33 13-0507 EA 2" Rigid Galvanized Steel (RGS) Locknuts..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	11.61 3.32 1.11 2.21 2.76 3.87 4.42 5.53 6.08	5.52
26 05 33 13-0508 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	16.21 4.42 1.47 2.94 3.68 5.15 5.89 7.36 8.10	7.37
26 05 33 13-0509 EA 3" Rigid Galvanized Steel (RGS) Locknuts..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	20.04 5.52 1.84 3.68 4.60 6.44 7.36 9.20 10.12	9.20
26 05 33 13-0510 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	23.59 6.26 2.09 4.17 5.22 7.30 8.34 10.43 11.47	10.43
26 05 33 13-0511 EA 4" Rigid Galvanized Steel (RGS) Locknuts..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	26.45 6.99 2.33 4.66 5.83 8.16 9.32 11.66 12.82	11.66
26 05 33 13-0512 Rigid Galvanized Steel (RGS) Grounding Locknuts (26 05 33 13-0060)		
26 05 33 13-0513 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	3.82 0.74 0.25 0.49 0.62 0.86 0.98 1.23 1.35	1.22
26 05 33 13-0514 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	5.31 1.10 0.37 0.74 0.92 1.29 1.47 1.84 2.02	1.84
26 05 33 13-0515 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts..... For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	8.47 1.84 0.61 1.23 1.53 2.15 2.45 3.07 3.37	3.07

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0516 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.84	4.30
For Work In Restricted Working Space, Add	2.58	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.01	
For Elevated Installation >30' To 35', Add	3.44	
For Elevated Installation >35' To 40', Add	4.30	
For Elevated Installation >40', Add	4.72	
26 05 33 13-0517 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.37	4.91
For Work In Restricted Working Space, Add	2.94	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.96	
For Elevated Installation >20' To 25', Add	2.45	
For Elevated Installation >25' To 30', Add	3.43	
For Elevated Installation >30' To 35', Add	3.92	
For Elevated Installation >35' To 40', Add	4.91	
For Elevated Installation >40', Add	5.40	
26 05 33 13-0518 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts	15.70	5.52
For Work In Restricted Working Space, Add	3.32	
For Elevated Installation >10' To 15', Add	1.11	
For Elevated Installation >15' To 20', Add	2.21	
For Elevated Installation >20' To 25', Add	2.76	
For Elevated Installation >25' To 30', Add	3.87	
For Elevated Installation >30' To 35', Add	4.42	
For Elevated Installation >35' To 40', Add	5.53	
For Elevated Installation >40', Add	6.08	
26 05 33 13-0519 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	23.35	7.37
For Work In Restricted Working Space, Add	4.42	
For Elevated Installation >10' To 15', Add	1.47	
For Elevated Installation >15' To 20', Add	2.94	
For Elevated Installation >20' To 25', Add	3.68	
For Elevated Installation >25' To 30', Add	5.15	
For Elevated Installation >30' To 35', Add	5.89	
For Elevated Installation >35' To 40', Add	7.36	
For Elevated Installation >40', Add	8.10	
26 05 33 13-0520 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts	29.36	9.20
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.20	
For Elevated Installation >40', Add	10.12	
26 05 33 13-0521 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	38.65	10.43
For Work In Restricted Working Space, Add	6.26	
For Elevated Installation >10' To 15', Add	2.09	
For Elevated Installation >15' To 20', Add	4.17	
For Elevated Installation >20' To 25', Add	5.22	
For Elevated Installation >25' To 30', Add	7.30	
For Elevated Installation >30' To 35', Add	8.34	
For Elevated Installation >35' To 40', Add	10.43	
For Elevated Installation >40', Add	11.47	
26 05 33 13-0522 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts	46.26	11.66
For Work In Restricted Working Space, Add	6.99	
For Elevated Installation >10' To 15', Add	2.33	
For Elevated Installation >15' To 20', Add	4.66	
For Elevated Installation >20' To 25', Add	5.83	
For Elevated Installation >25' To 30', Add	8.16	
For Elevated Installation >30' To 35', Add	9.32	
For Elevated Installation >35' To 40', Add	11.66	
For Elevated Installation >40', Add	12.82	
26 05 33 13-0523 Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0060)		
26 05 33 13-0524 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	10.77	3.68
For Work In Restricted Working Space, Add	2.21	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.47	
For Elevated Installation >20' To 25', Add	1.84	
For Elevated Installation >25' To 30', Add	2.58	
For Elevated Installation >30' To 35', Add	2.95	
For Elevated Installation >35' To 40', Add	3.69	
For Elevated Installation >40', Add	4.05	
26 05 33 13-0525 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	13.51	4.91
For Work In Restricted Working Space, Add	2.94	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.96	
For Elevated Installation >20' To 25', Add	2.45	
For Elevated Installation >25' To 30', Add	3.43	
For Elevated Installation >30' To 35', Add	3.92	
For Elevated Installation >35' To 40', Add	4.91	
For Elevated Installation >40', Add	5.40	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0526 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	17.25	6.13
For Work In Restricted Working Space, Add	3.68	
For Elevated Installation >10' To 15', Add	1.23	
For Elevated Installation >15' To 20', Add	2.45	
For Elevated Installation >20' To 25', Add	3.07	
For Elevated Installation >25' To 30', Add	4.29	
For Elevated Installation >30' To 35', Add	4.91	
For Elevated Installation >35' To 40', Add	6.14	
For Elevated Installation >40', Add	6.75	
26 05 33 13-0527 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	25.20	9.81
For Work In Restricted Working Space, Add	5.89	
For Elevated Installation >10' To 15', Add	1.96	
For Elevated Installation >15' To 20', Add	3.93	
For Elevated Installation >20' To 25', Add	4.91	
For Elevated Installation >25' To 30', Add	6.87	
For Elevated Installation >30' To 35', Add	7.86	
For Elevated Installation >35' To 40', Add	9.82	
For Elevated Installation >40', Add	10.80	
26 05 33 13-0528 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	28.38	11.05
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
26 05 33 13-0529 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	32.26	12.27
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.59	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.50	
26 05 33 13-0530 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	44.35	14.72
For Work In Restricted Working Space, Add	8.84	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.89	
For Elevated Installation >20' To 25', Add	7.36	
For Elevated Installation >25' To 30', Add	10.31	
For Elevated Installation >30' To 35', Add	11.78	
For Elevated Installation >35' To 40', Add	14.73	
For Elevated Installation >40', Add	16.20	
26 05 33 13-0531 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	53.88	18.40
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
26 05 33 13-0532 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	66.71	24.55
For Work In Restricted Working Space, Add	14.72	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.63	
For Elevated Installation >35' To 40', Add	24.54	
For Elevated Installation >40', Add	26.99	
26 05 33 13-0533 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	81.29	30.68
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
26 05 33 13-0534 Rigid Galvanized Steel (RGS) Threadless Compression Connectors (26 05 33 13-0060)		
26 05 33 13-0535 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	26.06	11.05
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0536 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	30.94	12.27
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.59	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.50	
26 05 33 13-0537 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	40.67	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
26 05 33 13-0538 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	55.61	18.40
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
26 05 33 13-0539 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	75.11	24.55
For Work In Restricted Working Space, Add	14.72	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.63	
For Elevated Installation >35' To 40', Add	24.54	
For Elevated Installation >40', Add	26.99	
26 05 33 13-0540 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	111.31	30.68
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
26 05 33 13-0541 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	188.85	36.81
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
26 05 33 13-0542 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	238.66	42.95
For Work In Restricted Working Space, Add	25.77	
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.18	
For Elevated Installation >20' To 25', Add	21.48	
For Elevated Installation >25' To 30', Add	30.07	
For Elevated Installation >30' To 35', Add	34.36	
For Elevated Installation >35' To 40', Add	42.95	
For Elevated Installation >40', Add	47.25	
26 05 33 13-0543 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	303.93	52.15
For Work In Restricted Working Space, Add	31.29	
For Elevated Installation >10' To 15', Add	10.43	
For Elevated Installation >15' To 20', Add	20.86	
For Elevated Installation >20' To 25', Add	26.08	
For Elevated Installation >25' To 30', Add	36.51	
For Elevated Installation >30' To 35', Add	41.72	
For Elevated Installation >35' To 40', Add	52.16	
For Elevated Installation >40', Add	57.37	
26 05 33 13-0544 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	367.09	61.36
For Work In Restricted Working Space, Add	36.81	
For Elevated Installation >10' To 15', Add	12.27	
For Elevated Installation >15' To 20', Add	24.54	
For Elevated Installation >20' To 25', Add	30.68	
For Elevated Installation >25' To 30', Add	42.95	
For Elevated Installation >30' To 35', Add	49.08	
For Elevated Installation >35' To 40', Add	61.36	
For Elevated Installation >40', Add	67.49	

26 05 33 13-0545 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0060)



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0546 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling	37.09	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
26 05 33 13-0547 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling	47.09	18.40
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
26 05 33 13-0548 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling	67.00	24.55
For Work In Restricted Working Space, Add	14.72	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.63	
For Elevated Installation >35' To 40', Add	24.54	
For Elevated Installation >40', Add	26.99	
26 05 33 13-0549 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	87.89	30.68
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
26 05 33 13-0550 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	108.17	36.81
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
26 05 33 13-0551 EA 2" Rigid Galvanized Steel (RGS) Compression Coupling	161.44	42.95
For Work In Restricted Working Space, Add	25.77	
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.18	
For Elevated Installation >20' To 25', Add	21.48	
For Elevated Installation >25' To 30', Add	30.07	
For Elevated Installation >30' To 35', Add	34.36	
For Elevated Installation >35' To 40', Add	42.95	
For Elevated Installation >40', Add	47.25	
26 05 33 13-0552 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	257.28	49.08
For Work In Restricted Working Space, Add	29.45	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
26 05 33 13-0553 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling	295.47	42.34
For Work In Restricted Working Space, Add	25.40	
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.93	
For Elevated Installation >20' To 25', Add	21.17	
For Elevated Installation >25' To 30', Add	29.63	
For Elevated Installation >30' To 35', Add	33.87	
For Elevated Installation >35' To 40', Add	42.34	
For Elevated Installation >40', Add	46.57	
26 05 33 13-0554 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	406.35	64.43
For Work In Restricted Working Space, Add	38.66	
For Elevated Installation >10' To 15', Add	12.89	
For Elevated Installation >15' To 20', Add	25.77	
For Elevated Installation >20' To 25', Add	32.21	
For Elevated Installation >25' To 30', Add	45.10	
For Elevated Installation >30' To 35', Add	51.54	
For Elevated Installation >35' To 40', Add	64.43	
For Elevated Installation >40', Add	70.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0555	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	502.34		73.63
		For Work In Restricted Working Space, Add	44.18		
		For Elevated Installation >10' To 15', Add	14.73		
		For Elevated Installation >15' To 20', Add	29.45		
		For Elevated Installation >20' To 25', Add	36.82		
		For Elevated Installation >25' To 30', Add	51.54		
		For Elevated Installation >30' To 35', Add	58.90		
		For Elevated Installation >35' To 40', Add	73.63		
		For Elevated Installation >40', Add	80.99		
26 05 33 13-0556		Zinc Plated Steel Snap-in Knock Out Seal (26 05 33 13-0060)			
26 05 33 13-0557	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	6.42		3.07
		For Work In Restricted Working Space, Add	1.84		
		For Elevated Installation >10' To 15', Add	0.61		
		For Elevated Installation >15' To 20', Add	1.23		
		For Elevated Installation >20' To 25', Add	1.53		
		For Elevated Installation >25' To 30', Add	2.15		
		For Elevated Installation >30' To 35', Add	2.45		
		For Elevated Installation >35' To 40', Add	3.07		
		For Elevated Installation >40', Add	3.37		
26 05 33 13-0558	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	7.75		3.68
		For Work In Restricted Working Space, Add	2.21		
		For Elevated Installation >10' To 15', Add	0.74		
		For Elevated Installation >15' To 20', Add	1.47		
		For Elevated Installation >20' To 25', Add	1.84		
		For Elevated Installation >25' To 30', Add	2.58		
		For Elevated Installation >30' To 35', Add	2.95		
		For Elevated Installation >35' To 40', Add	3.69		
		For Elevated Installation >40', Add	4.05		
26 05 33 13-0559	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	9.19		4.30
		For Work In Restricted Working Space, Add	2.58		
		For Elevated Installation >10' To 15', Add	0.86		
		For Elevated Installation >15' To 20', Add	1.72		
		For Elevated Installation >20' To 25', Add	2.15		
		For Elevated Installation >25' To 30', Add	3.01		
		For Elevated Installation >30' To 35', Add	3.44		
		For Elevated Installation >35' To 40', Add	4.30		
		For Elevated Installation >40', Add	4.72		
26 05 33 13-0560	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	11.84		5.52
		For Work In Restricted Working Space, Add	3.32		
		For Elevated Installation >10' To 15', Add	1.11		
		For Elevated Installation >15' To 20', Add	2.21		
		For Elevated Installation >20' To 25', Add	2.76		
		For Elevated Installation >25' To 30', Add	3.87		
		For Elevated Installation >30' To 35', Add	4.42		
		For Elevated Installation >35' To 40', Add	5.53		
		For Elevated Installation >40', Add	6.08		
26 05 33 13-0561	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	13.37		6.13
		For Work In Restricted Working Space, Add	3.68		
		For Elevated Installation >10' To 15', Add	1.23		
		For Elevated Installation >15' To 20', Add	2.45		
		For Elevated Installation >20' To 25', Add	3.07		
		For Elevated Installation >25' To 30', Add	4.29		
		For Elevated Installation >30' To 35', Add	4.91		
		For Elevated Installation >35' To 40', Add	6.14		
		For Elevated Installation >40', Add	6.75		
26 05 33 13-0562	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	16.26		7.37
		For Work In Restricted Working Space, Add	4.42		
		For Elevated Installation >10' To 15', Add	1.47		
		For Elevated Installation >15' To 20', Add	2.94		
		For Elevated Installation >20' To 25', Add	3.68		
		For Elevated Installation >25' To 30', Add	5.15		
		For Elevated Installation >30' To 35', Add	5.89		
		For Elevated Installation >35' To 40', Add	7.36		
		For Elevated Installation >40', Add	8.10		
26 05 33 13-0563		Zinc Plated Steel 3-Piece Knock Out Seal (26 05 33 13-0060)			
26 05 33 13-0564	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	7.86		3.07
		For Work In Restricted Working Space, Add	1.84		
		For Elevated Installation >10' To 15', Add	0.61		
		For Elevated Installation >15' To 20', Add	1.23		
		For Elevated Installation >20' To 25', Add	1.53		
		For Elevated Installation >25' To 30', Add	2.15		
		For Elevated Installation >30' To 35', Add	2.45		
		For Elevated Installation >35' To 40', Add	3.07		
		For Elevated Installation >40', Add	3.37		



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0565 EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	9.38 2.21 0.74 1.47 1.84 2.58 2.95 3.69 4.05	3.68
26 05 33 13-0566 EA 1" Zinc Plated Steel 3-Piece Knock Out Seal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	11.37 2.58 0.86 1.72 2.15 3.01 3.44 4.30 4.72	4.30
26 05 33 13-0567 EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	14.62 3.32 1.11 2.21 2.76 3.87 4.42 5.53 6.08	5.52
26 05 33 13-0568 EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	17.97 3.68 1.23 2.45 3.07 4.29 4.91 6.14 6.75	6.13
26 05 33 13-0569 EA 2" Zinc Plated Steel 3-Piece Knock Out Seal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	21.73 4.42 1.47 2.94 3.68 5.15 5.89 7.36 8.10	7.37
26 05 33 13-0570 EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	26.66 5.52 1.84 3.68 4.60 6.44 7.36 9.20 10.12	9.20
26 05 33 13-0571 EA 3" Zinc Plated Steel 3-Piece Knock Out Seal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	31.17 6.26 2.09 4.17 5.22 7.30 8.34 10.43 11.47	10.43
26 05 33 13-0572 EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	37.83 6.99 2.33 4.66 5.83 8.16 9.32 11.66 12.82	11.66
26 05 33 13-0573 EA 4" Zinc Plated Steel 3-Piece Knock Out Seal For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	44.40 7.73 2.58 5.15 6.44 9.02 10.31 12.89 14.17	12.89

26 05 33 13-0574 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0060)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0575 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	15.16	7.37
For Work In Restricted Working Space, Add	4.42	
For Elevated Installation >10' To 15', Add	1.47	
For Elevated Installation >15' To 20', Add	2.94	
For Elevated Installation >20' To 25', Add	3.68	
For Elevated Installation >25' To 30', Add	5.15	
For Elevated Installation >30' To 35', Add	5.89	
For Elevated Installation >35' To 40', Add	7.36	
For Elevated Installation >40', Add	8.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.42	
26 05 33 13-0576 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	17.92	8.59
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.44	
For Elevated Installation >20' To 25', Add	4.30	
For Elevated Installation >25' To 30', Add	6.01	
For Elevated Installation >30' To 35', Add	6.87	
For Elevated Installation >35' To 40', Add	8.59	
For Elevated Installation >40', Add	9.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0577 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	22.47	10.43
For Work In Restricted Working Space, Add	6.26	
For Elevated Installation >10' To 15', Add	2.09	
For Elevated Installation >15' To 20', Add	4.17	
For Elevated Installation >20' To 25', Add	5.22	
For Elevated Installation >25' To 30', Add	7.30	
For Elevated Installation >30' To 35', Add	8.34	
For Elevated Installation >35' To 40', Add	10.43	
For Elevated Installation >40', Add	11.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-0578 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	27.35	12.27
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.59	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0579 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	34.28	15.34
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0580 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	42.66	18.40
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.04	
26 05 33 13-0581 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	54.07	21.48
For Work In Restricted Working Space, Add	12.89	
For Elevated Installation >10' To 15', Add	4.30	
For Elevated Installation >15' To 20', Add	8.59	
For Elevated Installation >20' To 25', Add	10.74	
For Elevated Installation >25' To 30', Add	15.03	
For Elevated Installation >30' To 35', Add	17.18	
For Elevated Installation >35' To 40', Add	21.48	
For Elevated Installation >40', Add	23.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 05 33 13-0582 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	60.49	24.55
For Work In Restricted Working Space, Add	14.72	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.63	
For Elevated Installation >35' To 40', Add	24.54	
For Elevated Installation >40', Add	26.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.72	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0583 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	75.39	27.61
For Work In Restricted Working Space, Add	16.57	
For Elevated Installation >10' To 15', Add	5.52	
For Elevated Installation >15' To 20', Add	11.04	
For Elevated Installation >20' To 25', Add	13.81	
For Elevated Installation >25' To 30', Add	19.33	
For Elevated Installation >30' To 35', Add	22.09	
For Elevated Installation >35' To 40', Add	27.61	
For Elevated Installation >40', Add	30.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.57	
26 05 33 13-0584 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	103.62	30.68
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-0585 Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0060)		
26 05 33 13-0586 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	29.76	11.05
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
26 05 33 13-0587 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	34.57	12.89
For Work In Restricted Working Space, Add	7.73	
For Elevated Installation >10' To 15', Add	2.58	
For Elevated Installation >15' To 20', Add	5.15	
For Elevated Installation >20' To 25', Add	6.44	
For Elevated Installation >25' To 30', Add	9.02	
For Elevated Installation >30' To 35', Add	10.31	
For Elevated Installation >35' To 40', Add	12.89	
For Elevated Installation >40', Add	14.17	
26 05 33 13-0588 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	44.06	14.72
For Work In Restricted Working Space, Add	8.84	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.89	
For Elevated Installation >20' To 25', Add	7.36	
For Elevated Installation >25' To 30', Add	10.31	
For Elevated Installation >30' To 35', Add	11.78	
For Elevated Installation >35' To 40', Add	14.73	
For Elevated Installation >40', Add	16.20	
26 05 33 13-0589 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	56.48	18.40
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
26 05 33 13-0590 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	75.40	22.09
For Work In Restricted Working Space, Add	13.25	
For Elevated Installation >10' To 15', Add	4.42	
For Elevated Installation >15' To 20', Add	8.83	
For Elevated Installation >20' To 25', Add	11.04	
For Elevated Installation >25' To 30', Add	15.46	
For Elevated Installation >30' To 35', Add	17.67	
For Elevated Installation >35' To 40', Add	22.09	
For Elevated Installation >40', Add	24.29	
26 05 33 13-0591 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	100.97	25.77
For Work In Restricted Working Space, Add	15.46	
For Elevated Installation >10' To 15', Add	5.15	
For Elevated Installation >15' To 20', Add	10.31	
For Elevated Installation >20' To 25', Add	12.89	
For Elevated Installation >25' To 30', Add	18.04	
For Elevated Installation >30' To 35', Add	20.62	
For Elevated Installation >35' To 40', Add	25.77	
For Elevated Installation >40', Add	28.35	
26 05 33 13-0592 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	140.51	29.45
For Work In Restricted Working Space, Add	17.67	
For Elevated Installation >10' To 15', Add	5.89	
For Elevated Installation >15' To 20', Add	11.78	
For Elevated Installation >20' To 25', Add	14.73	
For Elevated Installation >25' To 30', Add	20.62	
For Elevated Installation >30' To 35', Add	23.56	
For Elevated Installation >35' To 40', Add	29.46	
For Elevated Installation >40', Add	32.40	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0593 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	246.49	36.81
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
 26 05 33 13-0594 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0059)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
 26 05 33 13-0595 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0594)		
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2508 for field bending >1".		
26 05 33 13-0596 LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	6.26	2.21
For >250 To 500, Deduct	-0.04	
For >500 To 1,000, Deduct	-0.33	
For >1,000, Deduct	-0.49	
For Installation In Metal Stud Wall, Add	0.55	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.38	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.83	
For Work In Restricted Working Space, Add	1.66	
For Elevated Installation >10' To 15', Add	0.55	
For Elevated Installation >15' To 20', Add	1.10	
For Elevated Installation >20' To 25', Add	1.38	
For Elevated Installation >25' To 30', Add	1.93	
For Elevated Installation >30' To 35', Add	2.21	
For Elevated Installation >35' To 40', Add	2.76	
For Elevated Installation >40', Add	3.04	
For Factory Applied Color Coating, Add	0.22	
26 05 33 13-0597 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	7.29	2.46
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.58	
For Installation In Metal Stud Wall, Add	0.61	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.53	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.92	
For Work In Restricted Working Space, Add	1.84	
For Elevated Installation >10' To 15', Add	0.61	
For Elevated Installation >15' To 20', Add	1.23	
For Elevated Installation >20' To 25', Add	1.53	
For Elevated Installation >25' To 30', Add	2.15	
For Elevated Installation >30' To 35', Add	2.45	
For Elevated Installation >35' To 40', Add	3.07	
For Elevated Installation >40', Add	3.37	
For Factory Applied Color Coating, Add	0.35	
26 05 33 13-0598 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	8.69	2.70
For >250 To 500, Deduct	-0.10	
For >500 To 1,000, Deduct	-0.48	
For >1,000, Deduct	-0.70	
For Installation In Metal Stud Wall, Add	0.68	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.69	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.01	
For Work In Restricted Working Space, Add	2.03	
For Elevated Installation >10' To 15', Add	0.68	
For Elevated Installation >15' To 20', Add	1.35	
For Elevated Installation >20' To 25', Add	1.69	
For Elevated Installation >25' To 30', Add	2.36	
For Elevated Installation >30' To 35', Add	2.70	
For Elevated Installation >35' To 40', Add	3.38	
For Elevated Installation >40', Add	3.71	
For Factory Applied Color Coating, Add	0.58	
26 05 33 13-0599 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	10.67	3.05
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.61	
For >1,000, Deduct	-0.88	
For Installation In Metal Stud Wall, Add	0.76	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.90	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.14	
For Work In Restricted Working Space, Add	2.28	
For Elevated Installation >10' To 15', Add	0.76	
For Elevated Installation >15' To 20', Add	1.52	
For Elevated Installation >20' To 25', Add	1.90	
For Elevated Installation >25' To 30', Add	2.66	
For Elevated Installation >30' To 35', Add	3.04	
For Elevated Installation >35' To 40', Add	3.81	
For Elevated Installation >40', Add	4.19	
For Factory Applied Color Coating, Add	0.92	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0600	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	12.40	3.44
		For >250 To 500, Deduct	-0.19	
		For >500 To 1,000, Deduct	-0.72	
		For >1,000, Deduct	-1.03	
		For Installation In Metal Stud Wall, Add	0.86	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.15	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.29	
		For Work In Restricted Working Space, Add	2.58	
		For Elevated Installation >10' To 15', Add	0.86	
		For Elevated Installation >15' To 20', Add	1.72	
		For Elevated Installation >20' To 25', Add	2.15	
		For Elevated Installation >25' To 30', Add	3.01	
		For Elevated Installation >30' To 35', Add	3.44	
		For Elevated Installation >35' To 40', Add	4.30	
		For Elevated Installation >40', Add	4.72	
		For Factory Applied Color Coating, Add	1.14	
26 05 33 13-0601	LF	2" Electrical Metallic Tubing (EMT) Conduit.....	14.33	3.93
		For >250 To 500, Deduct	-0.23	
		For >500 To 1,000, Deduct	-0.83	
		For >1,000, Deduct	-1.19	
		For Installation In Metal Stud Wall, Add	0.98	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.45	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.47	
		For Work In Restricted Working Space, Add	2.94	
		For Elevated Installation >10' To 15', Add	0.98	
		For Elevated Installation >15' To 20', Add	1.96	
		For Elevated Installation >20' To 25', Add	2.45	
		For Elevated Installation >25' To 30', Add	3.43	
		For Elevated Installation >30' To 35', Add	3.92	
		For Elevated Installation >35' To 40', Add	4.91	
		For Elevated Installation >40', Add	5.40	
		For Factory Applied Color Coating, Add	1.36	
26 05 33 13-0602	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	18.35	4.66
		For >250 To 500, Deduct	-0.33	
		For >500 To 1,000, Deduct	-1.08	
		For >1,000, Deduct	-1.54	
		For Installation In Metal Stud Wall, Add	1.17	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.92	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.75	
		For Work In Restricted Working Space, Add	3.50	
		For Elevated Installation >10' To 15', Add	1.17	
		For Elevated Installation >15' To 20', Add	2.33	
		For Elevated Installation >20' To 25', Add	2.92	
		For Elevated Installation >25' To 30', Add	4.08	
		For Elevated Installation >30' To 35', Add	4.66	
		For Elevated Installation >35' To 40', Add	5.83	
		For Elevated Installation >40', Add	6.41	
		For Factory Applied Color Coating, Add	2.01	
26 05 33 13-0603	LF	3" Electrical Metallic Tubing (EMT) Conduit.....	21.88	5.40
		For >250 To 500, Deduct	-0.42	
		For >500 To 1,000, Deduct	-1.30	
		For >1,000, Deduct	-1.85	
		For Installation In Metal Stud Wall, Add	1.35	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.38	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	2.03	
		For Work In Restricted Working Space, Add	4.05	
		For Elevated Installation >10' To 15', Add	1.35	
		For Elevated Installation >15' To 20', Add	2.70	
		For Elevated Installation >20' To 25', Add	3.38	
		For Elevated Installation >25' To 30', Add	4.73	
		For Elevated Installation >30' To 35', Add	5.40	
		For Elevated Installation >35' To 40', Add	6.75	
		For Elevated Installation >40', Add	7.43	
		For Factory Applied Color Coating, Add	2.51	
26 05 33 13-0604	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	27.15	6.38
		For >250 To 500, Deduct	-0.56	
		For >500 To 1,000, Deduct	-1.64	
		For >1,000, Deduct	-2.32	
		For Installation In Metal Stud Wall, Add	1.60	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.99	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	2.39	
		For Work In Restricted Working Space, Add	4.79	
		For Elevated Installation >10' To 15', Add	1.60	
		For Elevated Installation >15' To 20', Add	3.19	
		For Elevated Installation >20' To 25', Add	3.99	
		For Elevated Installation >25' To 30', Add	5.59	
		For Elevated Installation >30' To 35', Add	6.38	
		For Elevated Installation >35' To 40', Add	7.98	
		For Elevated Installation >40', Add	8.78	
		For Factory Applied Color Coating, Add	3.36	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0605 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	36.15	9.41
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-2.12	
For >1,000, Deduct	-3.03	
For Installation In Metal Stud Wall, Add	2.35	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.89	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	3.53	
For Work In Restricted Working Space, Add	7.06	
For Elevated Installation >10' To 15', Add	2.35	
For Elevated Installation >15' To 20', Add	4.71	
For Elevated Installation >20' To 25', Add	5.89	
For Elevated Installation >25' To 30', Add	8.24	
For Elevated Installation >30' To 35', Add	9.42	
For Elevated Installation >35' To 40', Add	11.77	
For Elevated Installation >40', Add	12.95	
For Factory Applied Color Coating, Add	3.78	
26 05 33 13-0606 Electrical Metallic Tubing (EMT) 90 Degree Elbows (26 05 33 13-0594)		
See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0607 EA 1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	15.75	5.40
For Work In Restricted Working Space, Add	4.05	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.70	
For Elevated Installation >20' To 25', Add	3.38	
For Elevated Installation >25' To 30', Add	4.73	
For Elevated Installation >30' To 35', Add	5.40	
For Elevated Installation >35' To 40', Add	6.75	
For Elevated Installation >40', Add	7.43	
26 05 33 13-0608 EA 3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	16.71	5.89
For Work In Restricted Working Space, Add	4.42	
For Elevated Installation >10' To 15', Add	1.47	
For Elevated Installation >15' To 20', Add	2.94	
For Elevated Installation >20' To 25', Add	3.68	
For Elevated Installation >25' To 30', Add	5.15	
For Elevated Installation >30' To 35', Add	5.89	
For Elevated Installation >35' To 40', Add	7.36	
For Elevated Installation >40', Add	8.10	
26 05 33 13-0609 EA 1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	20.31	6.88
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.44	
For Elevated Installation >20' To 25', Add	4.30	
For Elevated Installation >25' To 30', Add	6.01	
For Elevated Installation >30' To 35', Add	6.87	
For Elevated Installation >35' To 40', Add	8.59	
For Elevated Installation >40', Add	9.45	
26 05 33 13-0610 EA 1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	22.31	7.37
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.21	
For Elevated Installation >40', Add	10.13	
26 05 33 13-0611 EA 1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	26.47	8.84
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
26 05 33 13-0612 EA 2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	34.69	11.29
For Work In Restricted Working Space, Add	8.47	
For Elevated Installation >10' To 15', Add	2.82	
For Elevated Installation >15' To 20', Add	5.64	
For Elevated Installation >20' To 25', Add	7.06	
For Elevated Installation >25' To 30', Add	9.88	
For Elevated Installation >30' To 35', Add	11.29	
For Elevated Installation >35' To 40', Add	14.11	
For Elevated Installation >40', Add	15.52	
26 05 33 13-0613 EA 2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	46.21	12.76
For Work In Restricted Working Space, Add	9.57	
For Elevated Installation >10' To 15', Add	3.19	
For Elevated Installation >15' To 20', Add	6.38	
For Elevated Installation >20' To 25', Add	7.98	
For Elevated Installation >25' To 30', Add	11.17	
For Elevated Installation >30' To 35', Add	12.76	
For Elevated Installation >35' To 40', Add	15.95	
For Elevated Installation >40', Add	17.55	



Electrical	26	26
Common Work Results for Electrical	26 05	
Raceway and Boxes for Electrical Systems	26 05 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0614 EA 3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	58.69	14.23
For Work In Restricted Working Space, Add	10.68	
For Elevated Installation >10' To 15', Add	3.56	
For Elevated Installation >15' To 20', Add	7.12	
For Elevated Installation >20' To 25', Add	8.90	
For Elevated Installation >25' To 30', Add	12.46	
For Elevated Installation >30' To 35', Add	14.24	
For Elevated Installation >35' To 40', Add	17.80	
For Elevated Installation >40', Add	19.57	
26 05 33 13-0615 EA 3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	66.60	15.71
For Work In Restricted Working Space, Add	11.78	
For Elevated Installation >10' To 15', Add	3.93	
For Elevated Installation >15' To 20', Add	7.85	
For Elevated Installation >20' To 25', Add	9.82	
For Elevated Installation >25' To 30', Add	13.74	
For Elevated Installation >30' To 35', Add	15.71	
For Elevated Installation >35' To 40', Add	19.64	
For Elevated Installation >40', Add	21.60	
26 05 33 13-0616 EA 4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	140.14	41.19
For Work In Restricted Working Space, Add	30.90	
For Elevated Installation >10' To 15', Add	10.30	
For Elevated Installation >15' To 20', Add	20.60	
For Elevated Installation >20' To 25', Add	25.75	
For Elevated Installation >25' To 30', Add	36.05	
For Elevated Installation >30' To 35', Add	41.20	
For Elevated Installation >35' To 40', Add	51.50	
For Elevated Installation >40', Add	56.64	
26 05 33 13-0617 Electrical Metallic Tubing (EMT) 45 Degree Elbows (26 05 33 13-0594)		
See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0618 EA 1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	15.50	5.40
For Work In Restricted Working Space, Add	4.05	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.70	
For Elevated Installation >20' To 25', Add	3.38	
For Elevated Installation >25' To 30', Add	4.73	
For Elevated Installation >30' To 35', Add	5.40	
For Elevated Installation >35' To 40', Add	6.75	
For Elevated Installation >40', Add	7.43	
26 05 33 13-0619 EA 3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	16.86	5.89
For Work In Restricted Working Space, Add	4.42	
For Elevated Installation >10' To 15', Add	1.47	
For Elevated Installation >15' To 20', Add	2.94	
For Elevated Installation >20' To 25', Add	3.68	
For Elevated Installation >25' To 30', Add	5.15	
For Elevated Installation >30' To 35', Add	5.89	
For Elevated Installation >35' To 40', Add	7.36	
For Elevated Installation >40', Add	8.10	
26 05 33 13-0620 EA 1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	20.63	6.88
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.44	
For Elevated Installation >20' To 25', Add	4.30	
For Elevated Installation >25' To 30', Add	6.01	
For Elevated Installation >30' To 35', Add	6.87	
For Elevated Installation >35' To 40', Add	8.59	
For Elevated Installation >40', Add	9.45	
26 05 33 13-0621 EA 1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	22.90	7.37
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.21	
For Elevated Installation >40', Add	10.13	
26 05 33 13-0622 EA 1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	27.23	8.84
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
26 05 33 13-0623 EA 2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	34.45	11.29
For Work In Restricted Working Space, Add	8.47	
For Elevated Installation >10' To 15', Add	2.82	
For Elevated Installation >15' To 20', Add	5.64	
For Elevated Installation >20' To 25', Add	7.06	
For Elevated Installation >25' To 30', Add	9.88	
For Elevated Installation >30' To 35', Add	11.29	
For Elevated Installation >35' To 40', Add	14.11	
For Elevated Installation >40', Add	15.52	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0624 EA 2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	48.40	12.76
For Work In Restricted Working Space, Add	9.57	
For Elevated Installation >10' To 15', Add	3.19	
For Elevated Installation >15' To 20', Add	6.38	
For Elevated Installation >20' To 25', Add	7.98	
For Elevated Installation >25' To 30', Add	11.17	
For Elevated Installation >30' To 35', Add	12.76	
For Elevated Installation >35' To 40', Add	15.95	
For Elevated Installation >40', Add	17.55	
26 05 33 13-0625 EA 3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	60.43	14.23
For Work In Restricted Working Space, Add	10.68	
For Elevated Installation >10' To 15', Add	3.56	
For Elevated Installation >15' To 20', Add	7.12	
For Elevated Installation >20' To 25', Add	8.90	
For Elevated Installation >25' To 30', Add	12.46	
For Elevated Installation >30' To 35', Add	14.24	
For Elevated Installation >35' To 40', Add	17.80	
For Elevated Installation >40', Add	19.57	
26 05 33 13-0626 EA 3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	71.32	15.71
For Work In Restricted Working Space, Add	11.78	
For Elevated Installation >10' To 15', Add	3.93	
For Elevated Installation >15' To 20', Add	7.85	
For Elevated Installation >20' To 25', Add	9.82	
For Elevated Installation >25' To 30', Add	13.74	
For Elevated Installation >30' To 35', Add	15.71	
For Elevated Installation >35' To 40', Add	19.64	
For Elevated Installation >40', Add	21.60	
26 05 33 13-0627 EA 4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	136.83	41.19
For Work In Restricted Working Space, Add	30.90	
For Elevated Installation >10' To 15', Add	10.30	
For Elevated Installation >15' To 20', Add	20.60	
For Elevated Installation >20' To 25', Add	25.75	
For Elevated Installation >25' To 30', Add	36.05	
For Elevated Installation >30' To 35', Add	41.20	
For Elevated Installation >35' To 40', Add	51.50	
For Elevated Installation >40', Add	56.64	
26 05 33 13-0628 Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0594)		
26 05 33 13-0629 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.39	2.95
For Work In Restricted Working Space, Add	1.84	
For Elevated Installation >10' To 15', Add	0.61	
For Elevated Installation >15' To 20', Add	1.23	
For Elevated Installation >20' To 25', Add	1.53	
For Elevated Installation >25' To 30', Add	2.15	
For Elevated Installation >30' To 35', Add	2.45	
For Elevated Installation >35' To 40', Add	3.07	
For Elevated Installation >40', Add	3.37	
26 05 33 13-0630 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.74	2.95
For Work In Restricted Working Space, Add	2.21	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.47	
For Elevated Installation >20' To 25', Add	1.84	
For Elevated Installation >25' To 30', Add	2.58	
For Elevated Installation >30' To 35', Add	2.94	
For Elevated Installation >35' To 40', Add	3.68	
For Elevated Installation >40', Add	4.05	
26 05 33 13-0631 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	9.17	3.44
For Work In Restricted Working Space, Add	2.58	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.01	
For Elevated Installation >30' To 35', Add	3.44	
For Elevated Installation >35' To 40', Add	4.30	
For Elevated Installation >40', Add	4.72	
26 05 33 13-0632 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	12.31	4.42
For Work In Restricted Working Space, Add	3.32	
For Elevated Installation >10' To 15', Add	1.11	
For Elevated Installation >15' To 20', Add	2.21	
For Elevated Installation >20' To 25', Add	2.76	
For Elevated Installation >25' To 30', Add	3.87	
For Elevated Installation >30' To 35', Add	4.42	
For Elevated Installation >35' To 40', Add	5.53	
For Elevated Installation >40', Add	6.08	
26 05 33 13-0633 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	15.17	5.40
For Work In Restricted Working Space, Add	4.05	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.70	
For Elevated Installation >20' To 25', Add	3.38	
For Elevated Installation >25' To 30', Add	4.73	
For Elevated Installation >30' To 35', Add	5.40	
For Elevated Installation >35' To 40', Add	6.75	
For Elevated Installation >40', Add	7.43	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0634 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	20.62	7.37
For Work In Restricted Working Space, Add	5.52	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.20	
For Elevated Installation >40', Add	10.12	
26 05 33 13-0635 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	28.44	9.81
For Work In Restricted Working Space, Add	7.37	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.59	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.28	
For Elevated Installation >40', Add	13.50	
26 05 33 13-0636 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	36.72	11.29
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
26 05 33 13-0637 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	41.60	12.27
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
26 05 33 13-0638 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	119.02	34.13
For Work In Restricted Working Space, Add	33.15	
For Elevated Installation >10' To 15', Add	11.05	
For Elevated Installation >15' To 20', Add	22.10	
For Elevated Installation >20' To 25', Add	27.62	
For Elevated Installation >25' To 30', Add	38.67	
For Elevated Installation >30' To 35', Add	44.20	
For Elevated Installation >35' To 40', Add	55.25	
For Elevated Installation >40', Add	60.77	
26 05 33 13-0639 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0594)		
26 05 33 13-0640 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling	8.01	2.95
For Work In Restricted Working Space, Add	2.21	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.47	
For Elevated Installation >20' To 25', Add	1.84	
For Elevated Installation >25' To 30', Add	2.58	
For Elevated Installation >30' To 35', Add	2.95	
For Elevated Installation >35' To 40', Add	3.69	
For Elevated Installation >40', Add	4.05	
26 05 33 13-0641 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	9.29	3.44
For Work In Restricted Working Space, Add	2.58	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.01	
For Elevated Installation >30' To 35', Add	3.44	
For Elevated Installation >35' To 40', Add	4.30	
For Elevated Installation >40', Add	4.72	
26 05 33 13-0642 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	13.25	4.91
For Work In Restricted Working Space, Add	3.68	
For Elevated Installation >10' To 15', Add	1.23	
For Elevated Installation >15' To 20', Add	2.45	
For Elevated Installation >20' To 25', Add	3.07	
For Elevated Installation >25' To 30', Add	4.29	
For Elevated Installation >30' To 35', Add	4.91	
For Elevated Installation >35' To 40', Add	6.14	
For Elevated Installation >40', Add	6.75	
26 05 33 13-0643 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	16.76	5.89
For Work In Restricted Working Space, Add	4.42	
For Elevated Installation >10' To 15', Add	1.47	
For Elevated Installation >15' To 20', Add	2.94	
For Elevated Installation >20' To 25', Add	3.68	
For Elevated Installation >25' To 30', Add	5.15	
For Elevated Installation >30' To 35', Add	5.89	
For Elevated Installation >35' To 40', Add	7.36	
For Elevated Installation >40', Add	8.10	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0644 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	20.05	6.88
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.44	
For Elevated Installation >20' To 25', Add	4.30	
For Elevated Installation >25' To 30', Add	6.01	
For Elevated Installation >30' To 35', Add	6.87	
For Elevated Installation >35' To 40', Add	8.59	
For Elevated Installation >40', Add	9.45	
26 05 33 13-0645 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling.....	26.61	8.84
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
26 05 33 13-0646 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	41.26	11.78
For Work In Restricted Working Space, Add	8.84	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.89	
For Elevated Installation >20' To 25', Add	7.36	
For Elevated Installation >25' To 30', Add	10.31	
For Elevated Installation >30' To 35', Add	11.78	
For Elevated Installation >35' To 40', Add	14.73	
For Elevated Installation >40', Add	16.20	
26 05 33 13-0647 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	47.78	13.74
For Work In Restricted Working Space, Add	10.31	
For Elevated Installation >10' To 15', Add	3.44	
For Elevated Installation >15' To 20', Add	6.87	
For Elevated Installation >20' To 25', Add	8.59	
For Elevated Installation >25' To 30', Add	12.03	
For Elevated Installation >30' To 35', Add	13.74	
For Elevated Installation >35' To 40', Add	17.18	
For Elevated Installation >40', Add	18.90	
26 05 33 13-0648 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	59.74	17.18
For Work In Restricted Working Space, Add	12.89	
For Elevated Installation >10' To 15', Add	4.30	
For Elevated Installation >15' To 20', Add	8.59	
For Elevated Installation >20' To 25', Add	10.74	
For Elevated Installation >25' To 30', Add	15.03	
For Elevated Installation >30' To 35', Add	17.18	
For Elevated Installation >35' To 40', Add	21.48	
For Elevated Installation >40', Add	23.62	
26 05 33 13-0649 EA 4" Electrical Metallic Tubing (EMT) Compression Coupling.....	76.63	22.09
For Work In Restricted Working Space, Add	16.57	
For Elevated Installation >10' To 15', Add	5.52	
For Elevated Installation >15' To 20', Add	11.04	
For Elevated Installation >20' To 25', Add	13.81	
For Elevated Installation >25' To 30', Add	19.33	
For Elevated Installation >30' To 35', Add	22.09	
For Elevated Installation >35' To 40', Add	27.61	
For Elevated Installation >40', Add	30.37	
26 05 33 13-0650 Electrical Metallic Tubing (EMT) Raintight Compression Couplings (26 05 33 13-0594)		
26 05 33 13-0651 EA 1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	8.93	2.95
For Work In Restricted Working Space, Add	2.21	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.47	
For Elevated Installation >20' To 25', Add	1.84	
For Elevated Installation >25' To 30', Add	2.58	
For Elevated Installation >30' To 35', Add	2.95	
For Elevated Installation >35' To 40', Add	3.69	
For Elevated Installation >40', Add	4.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.21	
26 05 33 13-0652 EA 3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	10.30	3.44
For Work In Restricted Working Space, Add	2.58	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.01	
For Elevated Installation >30' To 35', Add	3.44	
For Elevated Installation >35' To 40', Add	4.30	
For Elevated Installation >40', Add	4.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 33 13-0653 EA 1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	15.17	4.91
For Work In Restricted Working Space, Add	3.68	
For Elevated Installation >10' To 15', Add	1.23	
For Elevated Installation >15' To 20', Add	2.46	
For Elevated Installation >20' To 25', Add	3.07	
For Elevated Installation >25' To 30', Add	4.30	
For Elevated Installation >30' To 35', Add	4.91	
For Elevated Installation >35' To 40', Add	6.14	
For Elevated Installation >40', Add	6.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0654	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	19.08	5.89
		For Work In Restricted Working Space, Add	4.42	
		For Elevated Installation >10' To 15', Add	1.47	
		For Elevated Installation >15' To 20', Add	2.94	
		For Elevated Installation >20' To 25', Add	3.68	
		For Elevated Installation >25' To 30', Add	5.15	
		For Elevated Installation >30' To 35', Add	5.89	
		For Elevated Installation >35' To 40', Add	7.36	
		For Elevated Installation >40', Add	8.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.42	
26 05 33 13-0655	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	24.18	6.88
		For Work In Restricted Working Space, Add	5.15	
		For Elevated Installation >10' To 15', Add	1.72	
		For Elevated Installation >15' To 20', Add	3.44	
		For Elevated Installation >20' To 25', Add	4.30	
		For Elevated Installation >25' To 30', Add	6.01	
		For Elevated Installation >30' To 35', Add	6.87	
		For Elevated Installation >35' To 40', Add	8.59	
		For Elevated Installation >40', Add	9.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0656	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	29.46	8.35
		For Work In Restricted Working Space, Add	6.26	
		For Elevated Installation >10' To 15', Add	2.09	
		For Elevated Installation >15' To 20', Add	4.17	
		For Elevated Installation >20' To 25', Add	5.22	
		For Elevated Installation >25' To 30', Add	7.30	
		For Elevated Installation >30' To 35', Add	8.34	
		For Elevated Installation >35' To 40', Add	10.43	
		For Elevated Installation >40', Add	11.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-0657	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	39.66	11.29
		For Work In Restricted Working Space, Add	8.47	
		For Elevated Installation >10' To 15', Add	2.82	
		For Elevated Installation >15' To 20', Add	5.64	
		For Elevated Installation >20' To 25', Add	7.06	
		For Elevated Installation >25' To 30', Add	9.88	
		For Elevated Installation >30' To 35', Add	11.29	
		For Elevated Installation >35' To 40', Add	14.11	
		For Elevated Installation >40', Add	15.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.47	
26 05 33 13-0658	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	49.90	13.74
		For Work In Restricted Working Space, Add	10.31	
		For Elevated Installation >10' To 15', Add	3.44	
		For Elevated Installation >15' To 20', Add	6.87	
		For Elevated Installation >20' To 25', Add	8.59	
		For Elevated Installation >25' To 30', Add	12.03	
		For Elevated Installation >30' To 35', Add	13.74	
		For Elevated Installation >35' To 40', Add	17.18	
		For Elevated Installation >40', Add	18.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 33 13-0659	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	65.43	17.18
		For Work In Restricted Working Space, Add	12.89	
		For Elevated Installation >10' To 15', Add	4.30	
		For Elevated Installation >15' To 20', Add	8.59	
		For Elevated Installation >20' To 25', Add	10.74	
		For Elevated Installation >25' To 30', Add	15.03	
		For Elevated Installation >30' To 35', Add	17.18	
		For Elevated Installation >35' To 40', Add	21.48	
		For Elevated Installation >40', Add	23.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 05 33 13-0660	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	80.35	22.09
		For Work In Restricted Working Space, Add	16.57	
		For Elevated Installation >10' To 15', Add	5.52	
		For Elevated Installation >15' To 20', Add	11.04	
		For Elevated Installation >20' To 25', Add	13.81	
		For Elevated Installation >25' To 30', Add	19.33	
		For Elevated Installation >30' To 35', Add	22.09	
		For Elevated Installation >35' To 40', Add	27.61	
		For Elevated Installation >40', Add	30.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.57	
26 05 33 13-0661		Electrical Metallic Tubing (EMT) Insulated Bushing (26 05 33 13-0594)		
26 05 33 13-0662	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	8.31	3.32
		For Work In Restricted Working Space, Add	2.47	
		For Elevated Installation >10' To 15', Add	0.82	
		For Elevated Installation >15' To 20', Add	1.64	
		For Elevated Installation >20' To 25', Add	2.06	
		For Elevated Installation >25' To 30', Add	2.88	
		For Elevated Installation >30' To 35', Add	3.29	
		For Elevated Installation >35' To 40', Add	4.11	
		For Elevated Installation >40', Add	4.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0663 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	9.10	3.56
For Work In Restricted Working Space, Add	2.69	
For Elevated Installation >10' To 15', Add	0.90	
For Elevated Installation >15' To 20', Add	1.79	
For Elevated Installation >20' To 25', Add	2.24	
For Elevated Installation >25' To 30', Add	3.14	
For Elevated Installation >30' To 35', Add	3.58	
For Elevated Installation >35' To 40', Add	4.48	
For Elevated Installation >40', Add	4.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.69	
26 05 33 13-0664 EA 1" Electrical Metallic Tubing (EMT) Insulated Bushing.....	11.36	4.42
For Work In Restricted Working Space, Add	3.28	
For Elevated Installation >10' To 15', Add	1.09	
For Elevated Installation >15' To 20', Add	2.19	
For Elevated Installation >20' To 25', Add	2.73	
For Elevated Installation >25' To 30', Add	3.83	
For Elevated Installation >30' To 35', Add	4.37	
For Elevated Installation >35' To 40', Add	5.47	
For Elevated Installation >40', Add	6.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.28	
26 05 33 13-0665 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	14.52	5.64
For Work In Restricted Working Space, Add	4.20	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.80	
For Elevated Installation >20' To 25', Add	3.50	
For Elevated Installation >25' To 30', Add	4.90	
For Elevated Installation >30' To 35', Add	5.60	
For Elevated Installation >35' To 40', Add	7.00	
For Elevated Installation >40', Add	7.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.20	
26 05 33 13-0666 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	17.16	6.50
For Work In Restricted Working Space, Add	4.90	
For Elevated Installation >10' To 15', Add	1.63	
For Elevated Installation >15' To 20', Add	3.26	
For Elevated Installation >20' To 25', Add	4.08	
For Elevated Installation >25' To 30', Add	5.71	
For Elevated Installation >30' To 35', Add	6.53	
For Elevated Installation >35' To 40', Add	8.16	
For Elevated Installation >40', Add	8.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.90	
26 05 33 13-0667 EA 2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	21.04	7.86
For Work In Restricted Working Space, Add	5.89	
For Elevated Installation >10' To 15', Add	1.96	
For Elevated Installation >15' To 20', Add	3.93	
For Elevated Installation >20' To 25', Add	4.91	
For Elevated Installation >25' To 30', Add	6.87	
For Elevated Installation >30' To 35', Add	7.86	
For Elevated Installation >35' To 40', Add	9.82	
For Elevated Installation >40', Add	10.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.89	
26 05 33 13-0668 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	30.27	10.93
For Work In Restricted Working Space, Add	8.17	
For Elevated Installation >10' To 15', Add	2.72	
For Elevated Installation >15' To 20', Add	5.45	
For Elevated Installation >20' To 25', Add	6.81	
For Elevated Installation >25' To 30', Add	9.53	
For Elevated Installation >30' To 35', Add	10.90	
For Elevated Installation >35' To 40', Add	13.62	
For Elevated Installation >40', Add	14.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.17	
26 05 33 13-0669 EA 3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	40.18	14.48
For Work In Restricted Working Space, Add	10.90	
For Elevated Installation >10' To 15', Add	3.63	
For Elevated Installation >15' To 20', Add	7.26	
For Elevated Installation >20' To 25', Add	9.08	
For Elevated Installation >25' To 30', Add	12.71	
For Elevated Installation >30' To 35', Add	14.53	
For Elevated Installation >35' To 40', Add	18.16	
For Elevated Installation >40', Add	19.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.90	
26 05 33 13-0670 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	51.52	18.65
For Work In Restricted Working Space, Add	14.03	
For Elevated Installation >10' To 15', Add	4.68	
For Elevated Installation >15' To 20', Add	9.35	
For Elevated Installation >20' To 25', Add	11.69	
For Elevated Installation >25' To 30', Add	16.37	
For Elevated Installation >30' To 35', Add	18.70	
For Elevated Installation >35' To 40', Add	23.38	
For Elevated Installation >40', Add	25.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0671	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	66.66	24.55
		For Work In Restricted Working Space, Add	18.41	
		For Elevated Installation >10' To 15', Add	6.14	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.48	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.68	
		For Elevated Installation >40', Add	33.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-0672 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw ⁽²⁶⁾				
		05 33 13-0594		
26 05 33 13-0673	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	6.34	2.46
		For Work In Restricted Working Space, Add	1.84	
		For Elevated Installation >10' To 15', Add	0.61	
		For Elevated Installation >15' To 20', Add	1.23	
		For Elevated Installation >20' To 25', Add	1.53	
		For Elevated Installation >25' To 30', Add	2.15	
		For Elevated Installation >30' To 35', Add	2.45	
		For Elevated Installation >35' To 40', Add	3.07	
		For Elevated Installation >40', Add	3.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.84	
26 05 33 13-0674	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	7.70	2.95
		For Work In Restricted Working Space, Add	2.21	
		For Elevated Installation >10' To 15', Add	0.74	
		For Elevated Installation >15' To 20', Add	1.47	
		For Elevated Installation >20' To 25', Add	1.84	
		For Elevated Installation >25' To 30', Add	2.58	
		For Elevated Installation >30' To 35', Add	2.95	
		For Elevated Installation >35' To 40', Add	3.69	
		For Elevated Installation >40', Add	4.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.21	
26 05 33 13-0675	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	9.17	3.44
		For Work In Restricted Working Space, Add	2.58	
		For Elevated Installation >10' To 15', Add	0.86	
		For Elevated Installation >15' To 20', Add	1.72	
		For Elevated Installation >20' To 25', Add	2.15	
		For Elevated Installation >25' To 30', Add	3.01	
		For Elevated Installation >30' To 35', Add	3.44	
		For Elevated Installation >35' To 40', Add	4.30	
		For Elevated Installation >40', Add	4.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 33 13-0676	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	13.33	4.91
		For Work In Restricted Working Space, Add	3.68	
		For Elevated Installation >10' To 15', Add	1.23	
		For Elevated Installation >15' To 20', Add	2.45	
		For Elevated Installation >20' To 25', Add	3.07	
		For Elevated Installation >25' To 30', Add	4.29	
		For Elevated Installation >30' To 35', Add	4.91	
		For Elevated Installation >35' To 40', Add	6.14	
		For Elevated Installation >40', Add	6.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-0677	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	16.27	5.89
		For Work In Restricted Working Space, Add	4.42	
		For Elevated Installation >10' To 15', Add	1.47	
		For Elevated Installation >15' To 20', Add	2.94	
		For Elevated Installation >20' To 25', Add	3.68	
		For Elevated Installation >25' To 30', Add	5.15	
		For Elevated Installation >30' To 35', Add	5.89	
		For Elevated Installation >35' To 40', Add	7.36	
		For Elevated Installation >40', Add	8.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.42	
26 05 33 13-0678	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	20.69	7.37
		For Work In Restricted Working Space, Add	5.52	
		For Elevated Installation >10' To 15', Add	1.84	
		For Elevated Installation >15' To 20', Add	3.68	
		For Elevated Installation >20' To 25', Add	4.60	
		For Elevated Installation >25' To 30', Add	6.44	
		For Elevated Installation >30' To 35', Add	7.36	
		For Elevated Installation >35' To 40', Add	9.20	
		For Elevated Installation >40', Add	10.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-0679	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	30.93	9.81
		For Work In Restricted Working Space, Add	7.37	
		For Elevated Installation >10' To 15', Add	2.46	
		For Elevated Installation >15' To 20', Add	4.91	
		For Elevated Installation >20' To 25', Add	6.14	
		For Elevated Installation >25' To 30', Add	8.59	
		For Elevated Installation >30' To 35', Add	9.82	
		For Elevated Installation >35' To 40', Add	12.28	
		For Elevated Installation >40', Add	13.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0680 EA 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	38.48	12.27
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0681 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	45.58	14.72
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.04	
26 05 33 13-0682 EA 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	53.10	17.18
For Work In Restricted Working Space, Add	12.89	
For Elevated Installation >10' To 15', Add	4.30	
For Elevated Installation >15' To 20', Add	8.59	
For Elevated Installation >20' To 25', Add	10.74	
For Elevated Installation >25' To 30', Add	15.03	
For Elevated Installation >30' To 35', Add	17.18	
For Elevated Installation >35' To 40', Add	21.48	
For Elevated Installation >40', Add	23.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	

26 05 33 13-0683 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw
(26 05 33 13-0594)

26 05 33 13-0684 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.56	3.32
For Work In Restricted Working Space, Add	2.47	
For Elevated Installation >10' To 15', Add	0.82	
For Elevated Installation >15' To 20', Add	1.64	
For Elevated Installation >20' To 25', Add	2.06	
For Elevated Installation >25' To 30', Add	2.88	
For Elevated Installation >30' To 35', Add	3.29	
For Elevated Installation >35' To 40', Add	4.11	
For Elevated Installation >40', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	
26 05 33 13-0685 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.51	3.56
For Work In Restricted Working Space, Add	2.69	
For Elevated Installation >10' To 15', Add	0.90	
For Elevated Installation >15' To 20', Add	1.79	
For Elevated Installation >20' To 25', Add	2.24	
For Elevated Installation >25' To 30', Add	3.14	
For Elevated Installation >30' To 35', Add	3.58	
For Elevated Installation >35' To 40', Add	4.48	
For Elevated Installation >40', Add	4.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.69	
26 05 33 13-0686 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.90	4.42
For Work In Restricted Working Space, Add	3.28	
For Elevated Installation >10' To 15', Add	1.09	
For Elevated Installation >15' To 20', Add	2.19	
For Elevated Installation >20' To 25', Add	2.73	
For Elevated Installation >25' To 30', Add	3.83	
For Elevated Installation >30' To 35', Add	4.37	
For Elevated Installation >35' To 40', Add	5.47	
For Elevated Installation >40', Add	6.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.28	
26 05 33 13-0687 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.60	5.64
For Work In Restricted Working Space, Add	4.20	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.80	
For Elevated Installation >20' To 25', Add	3.50	
For Elevated Installation >25' To 30', Add	4.90	
For Elevated Installation >30' To 35', Add	5.60	
For Elevated Installation >35' To 40', Add	7.00	
For Elevated Installation >40', Add	7.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.20	
26 05 33 13-0688 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	18.47	6.50
For Work In Restricted Working Space, Add	4.90	
For Elevated Installation >10' To 15', Add	1.63	
For Elevated Installation >15' To 20', Add	3.26	
For Elevated Installation >20' To 25', Add	4.08	
For Elevated Installation >25' To 30', Add	5.71	
For Elevated Installation >30' To 35', Add	6.53	
For Elevated Installation >35' To 40', Add	8.16	
For Elevated Installation >40', Add	8.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.90	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0689	EA	2"	Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.59 5.89 1.96 3.93 4.91 6.87 7.86 9.82 10.80 5.89	7.86
26 05 33 13-0690	EA	2-1/2"	Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.90 8.17 2.72 5.45 6.81 9.53 10.90 13.62 14.98 8.17	10.93
26 05 33 13-0691	EA	3"	Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.88 10.90 3.63 7.26 9.08 12.71 14.53 18.16 19.98 10.90	14.48
26 05 33 13-0692	EA	3-1/2"	Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.21 14.03 4.68 9.35 11.69 16.37 18.70 23.38 25.72 14.03	18.65
26 05 33 13-0693	EA	4"	Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.26 18.41 6.14 12.27 15.34 21.48 24.54 30.68 33.75 18.41	24.55
26 05 33 13-0694 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors (26 05 33 13-0694)					
26 05 33 13-0695	EA	1/2"	Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70 2.21 0.74 1.47 1.84 2.58 2.95 3.69 4.05 2.21	2.95
26 05 33 13-0696	EA	3/4"	Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.09 2.58 0.86 1.72 2.15 3.01 3.44 4.30 4.72 2.58	3.44
26 05 33 13-0697	EA	1"	Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.98 3.68 1.23 2.45 3.07 4.29 4.91 6.14 6.75 3.68	4.91

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	16.06	5.89
For Work In Restricted Working Space, Add	4.42	
For Elevated Installation >10' To 15', Add	1.47	
For Elevated Installation >15' To 20', Add	2.94	
For Elevated Installation >20' To 25', Add	3.68	
For Elevated Installation >25' To 30', Add	5.15	
For Elevated Installation >30' To 35', Add	5.89	
For Elevated Installation >35' To 40', Add	7.36	
For Elevated Installation >40', Add	8.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.42	
26 05 33 13-0699 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	19.07	6.88
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.44	
For Elevated Installation >20' To 25', Add	4.30	
For Elevated Installation >25' To 30', Add	6.01	
For Elevated Installation >30' To 35', Add	6.87	
For Elevated Installation >35' To 40', Add	8.59	
For Elevated Installation >40', Add	9.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0700 EA 2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	24.83	8.84
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.63	
26 05 33 13-0701 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	37.71	11.78
For Work In Restricted Working Space, Add	8.84	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.89	
For Elevated Installation >20' To 25', Add	7.36	
For Elevated Installation >25' To 30', Add	10.31	
For Elevated Installation >30' To 35', Add	11.78	
For Elevated Installation >35' To 40', Add	14.73	
For Elevated Installation >40', Add	16.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 05 33 13-0702 EA 3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	47.61	14.72
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.41	
For Elevated Installation >40', Add	20.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.04	
26 05 33 13-0703 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	59.60	17.18
For Work In Restricted Working Space, Add	12.89	
For Elevated Installation >10' To 15', Add	4.30	
For Elevated Installation >15' To 20', Add	8.59	
For Elevated Installation >20' To 25', Add	10.74	
For Elevated Installation >25' To 30', Add	15.03	
For Elevated Installation >30' To 35', Add	17.18	
For Elevated Installation >35' To 40', Add	21.48	
For Elevated Installation >40', Add	23.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 05 33 13-0704 EA 4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	67.14	19.64
For Work In Restricted Working Space, Add	14.72	
For Elevated Installation >10' To 15', Add	4.91	
For Elevated Installation >15' To 20', Add	9.82	
For Elevated Installation >20' To 25', Add	12.27	
For Elevated Installation >25' To 30', Add	17.18	
For Elevated Installation >30' To 35', Add	19.63	
For Elevated Installation >35' To 40', Add	24.54	
For Elevated Installation >40', Add	26.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.72	
26 05 33 13-0705 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors (26 05 33 13-0594)		
26 05 33 13-0706 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.79	3.32
For Work In Restricted Working Space, Add	2.47	
For Elevated Installation >10' To 15', Add	0.82	
For Elevated Installation >15' To 20', Add	1.64	
For Elevated Installation >20' To 25', Add	2.06	
For Elevated Installation >25' To 30', Add	2.88	
For Elevated Installation >30' To 35', Add	3.29	
For Elevated Installation >35' To 40', Add	4.11	
For Elevated Installation >40', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0707	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.74 2.69 0.90 1.79 2.24 3.14 3.58 4.48 4.93 2.69	3.56
26 05 33 13-0708	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.10 3.28 1.09 2.19 2.73 3.83 4.37 5.47 6.01 3.28	4.42
26 05 33 13-0709	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17 4.20 1.40 2.80 3.50 4.90 5.60 7.00 7.69 4.20	5.64
26 05 33 13-0710	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.41 4.90 1.63 3.26 4.08 5.71 6.53 8.16 8.98 4.90	6.50
26 05 33 13-0711	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.96 5.89 1.96 3.93 4.91 6.87 7.66 9.82 10.80 5.89	7.86
26 05 33 13-0712	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.88 8.17 2.72 5.45 6.81 9.53 10.90 13.62 14.98 8.17	10.93
26 05 33 13-0713	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.24 10.90 3.63 7.26 9.08 12.71 14.53 18.16 19.98 10.90	14.48
26 05 33 13-0714	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.88 14.03 4.68 9.35 11.69 16.37 18.70 23.38 25.72 14.03	18.65

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0715 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	95.42	24.55
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-0716 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0594)		
Note: Excludes jumper.		
26 05 33 13-0717 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	63.94	16.32
For Work In Restricted Working Space, Add	12.25	
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.17	
For Elevated Installation >20' To 25', Add	10.21	
For Elevated Installation >25' To 30', Add	14.29	
For Elevated Installation >30' To 35', Add	16.34	
For Elevated Installation >35' To 40', Add	20.42	
For Elevated Installation >40', Add	22.46	
26 05 33 13-0718 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	77.05	19.76
For Work In Restricted Working Space, Add	14.85	
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
26 05 33 13-0719 EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling	94.77	24.79
For Work In Restricted Working Space, Add	18.56	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.38	
For Elevated Installation >20' To 25', Add	15.47	
For Elevated Installation >25' To 30', Add	21.66	
For Elevated Installation >30' To 35', Add	24.75	
For Elevated Installation >35' To 40', Add	30.94	
For Elevated Installation >40', Add	34.03	
26 05 33 13-0720 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	122.20	30.43
For Work In Restricted Working Space, Add	22.84	
For Elevated Installation >10' To 15', Add	7.61	
For Elevated Installation >15' To 20', Add	15.22	
For Elevated Installation >20' To 25', Add	19.03	
For Elevated Installation >25' To 30', Add	26.64	
For Elevated Installation >30' To 35', Add	30.45	
For Elevated Installation >35' To 40', Add	38.06	
For Elevated Installation >40', Add	41.87	
26 05 33 13-0721 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	151.37	35.71
For Work In Restricted Working Space, Add	26.78	
For Elevated Installation >10' To 15', Add	8.93	
For Elevated Installation >15' To 20', Add	17.85	
For Elevated Installation >20' To 25', Add	22.32	
For Elevated Installation >25' To 30', Add	31.24	
For Elevated Installation >30' To 35', Add	35.71	
For Elevated Installation >35' To 40', Add	44.64	
For Elevated Installation >40', Add	49.10	
26 05 33 13-0722 EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling	189.47	43.44
For Work In Restricted Working Space, Add	32.61	
For Elevated Installation >10' To 15', Add	10.87	
For Elevated Installation >15' To 20', Add	21.74	
For Elevated Installation >20' To 25', Add	27.18	
For Elevated Installation >25' To 30', Add	38.05	
For Elevated Installation >30' To 35', Add	43.48	
For Elevated Installation >35' To 40', Add	54.36	
For Elevated Installation >40', Add	59.79	
26 05 33 13-0723 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	355.79	55.84
For Work In Restricted Working Space, Add	41.89	
For Elevated Installation >10' To 15', Add	13.96	
For Elevated Installation >15' To 20', Add	27.92	
For Elevated Installation >20' To 25', Add	34.91	
For Elevated Installation >25' To 30', Add	48.87	
For Elevated Installation >30' To 35', Add	55.85	
For Elevated Installation >35' To 40', Add	69.81	
For Elevated Installation >40', Add	76.79	
26 05 33 13-0724 EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling	434.50	65.28
For Work In Restricted Working Space, Add	48.98	
For Elevated Installation >10' To 15', Add	16.33	
For Elevated Installation >15' To 20', Add	32.65	
For Elevated Installation >20' To 25', Add	40.81	
For Elevated Installation >25' To 30', Add	57.14	
For Elevated Installation >30' To 35', Add	65.30	
For Elevated Installation >35' To 40', Add	81.63	
For Elevated Installation >40', Add	89.79	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0725	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	531.69	71.17
		For Work In Restricted Working Space, Add	53.40	
		For Elevated Installation >10' To 15', Add	17.80	
		For Elevated Installation >15' To 20', Add	35.60	
		For Elevated Installation >20' To 25', Add	44.50	
		For Elevated Installation >25' To 30', Add	62.30	
		For Elevated Installation >30' To 35', Add	71.20	
		For Elevated Installation >35' To 40', Add	89.00	
		For Elevated Installation >40', Add	97.89	
26 05 33 13-0726	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	575.80	78.54
		For Work In Restricted Working Space, Add	58.92	
		For Elevated Installation >10' To 15', Add	19.64	
		For Elevated Installation >15' To 20', Add	39.28	
		For Elevated Installation >20' To 25', Add	49.10	
		For Elevated Installation >25' To 30', Add	68.74	
		For Elevated Installation >30' To 35', Add	78.56	
		For Elevated Installation >35' To 40', Add	98.20	
		For Elevated Installation >40', Add	108.02	
26 05 33 13-0727 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters				
(26 05 33 13-0594)				
26 05 33 13-0728	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.28	4.42
		For Work In Restricted Working Space, Add	3.27	
		For Elevated Installation >10' To 15', Add	1.09	
		For Elevated Installation >15' To 20', Add	2.18	
		For Elevated Installation >20' To 25', Add	2.72	
		For Elevated Installation >25' To 30', Add	3.81	
		For Elevated Installation >30' To 35', Add	4.36	
		For Elevated Installation >35' To 40', Add	5.45	
		For Elevated Installation >40', Add	5.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.27	
26 05 33 13-0729	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	13.04	4.42
		For Work In Restricted Working Space, Add	3.27	
		For Elevated Installation >10' To 15', Add	1.09	
		For Elevated Installation >15' To 20', Add	2.18	
		For Elevated Installation >20' To 25', Add	2.72	
		For Elevated Installation >25' To 30', Add	3.81	
		For Elevated Installation >30' To 35', Add	4.36	
		For Elevated Installation >35' To 40', Add	5.45	
		For Elevated Installation >40', Add	5.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.27	
26 05 33 13-0730	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.58	4.78
		For Work In Restricted Working Space, Add	3.63	
		For Elevated Installation >10' To 15', Add	1.21	
		For Elevated Installation >15' To 20', Add	2.42	
		For Elevated Installation >20' To 25', Add	3.03	
		For Elevated Installation >25' To 30', Add	4.24	
		For Elevated Installation >30' To 35', Add	4.84	
		For Elevated Installation >35' To 40', Add	6.06	
		For Elevated Installation >40', Add	6.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.63	
26 05 33 13-0731	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	16.94	5.52
		For Work In Restricted Working Space, Add	4.13	
		For Elevated Installation >10' To 15', Add	1.38	
		For Elevated Installation >15' To 20', Add	2.76	
		For Elevated Installation >20' To 25', Add	3.45	
		For Elevated Installation >25' To 30', Add	4.82	
		For Elevated Installation >30' To 35', Add	5.51	
		For Elevated Installation >35' To 40', Add	6.89	
		For Elevated Installation >40', Add	7.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 05 33 13-0732	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	23.83	6.63
		For Work In Restricted Working Space, Add	5.00	
		For Elevated Installation >10' To 15', Add	1.67	
		For Elevated Installation >15' To 20', Add	3.33	
		For Elevated Installation >20' To 25', Add	4.17	
		For Elevated Installation >25' To 30', Add	5.83	
		For Elevated Installation >30' To 35', Add	6.66	
		For Elevated Installation >35' To 40', Add	8.33	
		For Elevated Installation >40', Add	9.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	
26 05 33 13-0733	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	29.02	7.61
		For Work In Restricted Working Space, Add	5.71	
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.81	
		For Elevated Installation >20' To 25', Add	4.76	
		For Elevated Installation >25' To 30', Add	6.66	
		For Elevated Installation >30' To 35', Add	7.62	
		For Elevated Installation >35' To 40', Add	9.52	
		For Elevated Installation >40', Add	10.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.71	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0734 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	37.71	9.57
For Work In Restricted Working Space, Add	7.14	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.95	
For Elevated Installation >25' To 30', Add	8.33	
For Elevated Installation >30' To 35', Add	9.52	
For Elevated Installation >35' To 40', Add	11.90	
For Elevated Installation >40', Add	13.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.14	
26 05 33 13-0735 Electrical Metallic Tubing (EMT) Pulling Elbows (26 05 33 13-0594)		
26 05 33 13-0736 EA 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	25.71	11.05
For Work In Restricted Working Space, Add	6.63	
For Elevated Installation >15' To 20', Add	4.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.63	
26 05 33 13-0737 EA 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	29.97	12.89
For Work In Restricted Working Space, Add	7.73	
For Elevated Installation >15' To 20', Add	5.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.73	
26 05 33 13-0738 EA 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	36.95	14.72
For Work In Restricted Working Space, Add	8.84	
For Elevated Installation >15' To 20', Add	5.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 05 33 13-0739 EA 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	47.13	18.40
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >15' To 20', Add	7.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.04	
26 05 33 13-0740 Intermediate Metal Conduit (IMC) (26 05 33 13-0059)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0741 Intermediate Metal Conduit (IMC) Conduit (26 05 33 13-0740)		
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2508 for field bending >1".		
26 05 33 13-0742 LF 1/2" Intermediate Metal Conduit (IMC) Conduit	8.99	2.46
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.20	
For >1,000, Deduct	-0.26	
For Installation In Metal Stud Wall, Add	0.64	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.60	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.96	
For Work In Restricted Working Space, Add	1.91	
For Elevated Installation >10' To 15', Add	0.64	
For Elevated Installation >15' To 20', Add	1.28	
For Elevated Installation >20' To 25', Add	1.60	
For Elevated Installation >25' To 30', Add	2.23	
For Elevated Installation >30' To 35', Add	2.55	
For Elevated Installation >35' To 40', Add	3.19	
For Elevated Installation >40', Add	3.51	
26 05 33 13-0743 LF 3/4" Intermediate Metal Conduit (IMC) Conduit	10.72	2.70
For >250 To 500, Deduct	-0.16	
For >500 To 1,000, Deduct	-0.23	
For >1,000, Deduct	-0.31	
For Installation In Metal Stud Wall, Add	0.76	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.90	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.14	
For Work In Restricted Working Space, Add	2.28	
For Elevated Installation >10' To 15', Add	0.76	
For Elevated Installation >15' To 20', Add	1.52	
For Elevated Installation >20' To 25', Add	1.90	
For Elevated Installation >25' To 30', Add	2.66	
For Elevated Installation >30' To 35', Add	3.04	
For Elevated Installation >35' To 40', Add	3.81	
For Elevated Installation >40', Add	4.19	
26 05 33 13-0744 LF 1" Intermediate Metal Conduit (IMC) Conduit	14.38	2.95
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.36	
For >1,000, Deduct	-0.48	
For Installation In Metal Stud Wall, Add	0.96	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.39	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.44	
For Work In Restricted Working Space, Add	2.87	
For Elevated Installation >10' To 15', Add	0.96	
For Elevated Installation >15' To 20', Add	1.91	
For Elevated Installation >20' To 25', Add	2.39	
For Elevated Installation >25' To 30', Add	3.35	
For Elevated Installation >30' To 35', Add	3.83	
For Elevated Installation >35' To 40', Add	4.79	
For Elevated Installation >40', Add	5.26	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0745	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	16.64	5.89
			For >250 To 500, Deduct	-0.30	
			For >500 To 1,000, Deduct	-0.46	
			For >1,000, Deduct	-0.61	
			For Installation In Metal Stud Wall, Add	1.06	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.64	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.58	
			For Work In Restricted Working Space, Add	3.17	
			For Elevated Installation >10' To 15', Add	1.06	
			For Elevated Installation >15' To 20', Add	2.11	
			For Elevated Installation >20' To 25', Add	2.64	
			For Elevated Installation >25' To 30', Add	3.69	
			For Elevated Installation >30' To 35', Add	4.22	
			For Elevated Installation >35' To 40', Add	5.28	
			For Elevated Installation >40', Add	5.80	
26 05 33	13-0746	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	18.73	3.93
			For >250 To 500, Deduct	-0.36	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000, Deduct	-0.72	
			For Installation In Metal Stud Wall, Add	1.15	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.89	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.73	
			For Work In Restricted Working Space, Add	3.46	
			For Elevated Installation >10' To 15', Add	1.15	
			For Elevated Installation >15' To 20', Add	2.31	
			For Elevated Installation >20' To 25', Add	2.89	
			For Elevated Installation >25' To 30', Add	4.04	
			For Elevated Installation >30' To 35', Add	4.62	
			For Elevated Installation >35' To 40', Add	5.77	
			For Elevated Installation >40', Add	6.35	
26 05 33	13-0747	LF	2" Intermediate Metal Conduit (IMC) Conduit	23.74	4.42
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-0.73	
			For >1,000, Deduct	-0.98	
			For Installation In Metal Stud Wall, Add	1.40	
			For Installation In Wood Stud Wall (Includes Drilling), Add	3.50	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	2.10	
			For Work In Restricted Working Space, Add	4.20	
			For Elevated Installation >10' To 15', Add	1.40	
			For Elevated Installation >15' To 20', Add	2.80	
			For Elevated Installation >20' To 25', Add	3.50	
			For Elevated Installation >25' To 30', Add	4.90	
			For Elevated Installation >30' To 35', Add	5.60	
			For Elevated Installation >35' To 40', Add	7.00	
			For Elevated Installation >40', Add	7.69	
26 05 33	13-0748	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	40.14	5.89
			For >250 To 500, Deduct	-1.08	
			For >500 To 1,000, Deduct	-1.62	
			For >1,000, Deduct	-2.16	
			For Installation In Metal Stud Wall, Add	1.85	
			For Installation In Wood Stud Wall (Includes Drilling), Add	4.63	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	2.78	
			For Work In Restricted Working Space, Add	5.56	
			For Elevated Installation >10' To 15', Add	1.85	
			For Elevated Installation >15' To 20', Add	3.71	
			For Elevated Installation >20' To 25', Add	4.63	
			For Elevated Installation >25' To 30', Add	6.49	
			For Elevated Installation >30' To 35', Add	7.41	
			For Elevated Installation >35' To 40', Add	9.27	
			For Elevated Installation >40', Add	10.19	
26 05 33	13-0749	LF	3" Intermediate Metal Conduit (IMC) Conduit	51.15	7.37
			For >250 To 500, Deduct	-1.33	
			For >500 To 1,000, Deduct	-2.00	
			For >1,000, Deduct	-2.66	
			For Installation In Metal Stud Wall, Add	2.46	
			For Installation In Wood Stud Wall (Includes Drilling), Add	6.14	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	3.68	
			For Work In Restricted Working Space, Add	7.37	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.91	
			For Elevated Installation >20' To 25', Add	6.14	
			For Elevated Installation >25' To 30', Add	8.59	
			For Elevated Installation >30' To 35', Add	9.82	
			For Elevated Installation >35' To 40', Add	12.28	
			For Elevated Installation >40', Add	13.50	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0750 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	58.91	8.84
For >250 To 500, Deduct	-1.54	
For >500 To 1,000, Deduct	-2.31	
For >1,000, Deduct	-3.08	
For Installation In Metal Stud Wall, Add	2.81	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.03	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	4.22	
For Work In Restricted Working Space, Add	8.43	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.62	
For Elevated Installation >20' To 25', Add	7.03	
For Elevated Installation >25' To 30', Add	9.84	
For Elevated Installation >30' To 35', Add	11.24	
For Elevated Installation >35' To 40', Add	14.05	
For Elevated Installation >40', Add	15.46	
26 05 33 13-0751 LF 4" Intermediate Metal Conduit (IMC) Conduit	69.03	10.30
For >250 To 500, Deduct	-1.81	
For >500 To 1,000, Deduct	-2.72	
For >1,000, Deduct	-3.63	
For Installation In Metal Stud Wall, Add	3.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	8.19	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	4.92	
For Work In Restricted Working Space, Add	9.83	
For Elevated Installation >10' To 15', Add	3.28	
For Elevated Installation >15' To 20', Add	6.55	
For Elevated Installation >20' To 25', Add	8.19	
For Elevated Installation >25' To 30', Add	11.47	
For Elevated Installation >30' To 35', Add	13.11	
For Elevated Installation >35' To 40', Add	16.39	
For Elevated Installation >40', Add	18.02	
26 05 33 13-0752 Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0740)		
See CSI section 26 05 33 13-2508 for conduit field bending.		
26 05 33 13-0753 EA 1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	41.88	12.15
For Work In Restricted Working Space, Add	9.14	
For Elevated Installation >10' To 15', Add	3.05	
For Elevated Installation >15' To 20', Add	6.09	
For Elevated Installation >20' To 25', Add	7.62	
For Elevated Installation >25' To 30', Add	10.66	
For Elevated Installation >30' To 35', Add	12.19	
For Elevated Installation >35' To 40', Add	15.24	
For Elevated Installation >40', Add	16.76	
26 05 33 13-0754 EA 3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	50.69	15.09
For Work In Restricted Working Space, Add	11.36	
For Elevated Installation >10' To 15', Add	3.79	
For Elevated Installation >15' To 20', Add	7.58	
For Elevated Installation >20' To 25', Add	9.47	
For Elevated Installation >25' To 30', Add	13.26	
For Elevated Installation >30' To 35', Add	15.15	
For Elevated Installation >35' To 40', Add	18.94	
For Elevated Installation >40', Add	20.83	
26 05 33 13-0755 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	64.40	18.53
For Work In Restricted Working Space, Add	13.86	
For Elevated Installation >10' To 15', Add	4.62	
For Elevated Installation >15' To 20', Add	9.24	
For Elevated Installation >20' To 25', Add	11.55	
For Elevated Installation >25' To 30', Add	16.17	
For Elevated Installation >30' To 35', Add	18.48	
For Elevated Installation >35' To 40', Add	23.10	
For Elevated Installation >40', Add	25.41	
26 05 33 13-0756 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	79.16	21.48
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.73	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.46	
For Elevated Installation >35' To 40', Add	26.82	
For Elevated Installation >40', Add	29.50	
26 05 33 13-0757 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	93.85	24.67
For Work In Restricted Working Space, Add	18.47	
For Elevated Installation >10' To 15', Add	6.16	
For Elevated Installation >15' To 20', Add	12.31	
For Elevated Installation >20' To 25', Add	15.39	
For Elevated Installation >25' To 30', Add	21.55	
For Elevated Installation >30' To 35', Add	24.63	
For Elevated Installation >35' To 40', Add	30.79	
For Elevated Installation >40', Add	33.86	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	114.20 20.32 6.77 13.55 16.93 23.71 27.09 33.87 37.25	27.12
26 05 33 13-0759 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	163.56 25.40 8.47 16.93 21.17 29.63 33.86 42.33 46.56	33.87
26 05 33 13-0760 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	236.12 34.60 11.53 23.07 28.83 40.37 46.13 57.67 63.43	46.14
26 05 33 13-0761 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	343.33 39.03 13.01 26.02 32.52 45.53 52.04 65.05 71.55	52.03
26 05 33 13-0762 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	416.67 50.79 16.93 33.86 42.33 59.26 67.72 84.66 93.12	67.74
26 05 33 13-0763 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut (26 05 33 13-0740)		
26 05 33 13-0764 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.75 4.79	6.38
26 05 33 13-0765 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75 5.52	0.73
26 05 33 13-0766 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.56 6.99	9.32
26 05 33 13-0767 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.22 8.47	11.29
26 05 33 13-0768 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.96 9.20	12.27
26 05 33 13-0769 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.10 11.41	15.21
26 05 33 13-0770 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.36 18.41	24.55
26 05 33 13-0771 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.01 25.04	33.38
26 05 33 13-0772 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.76 29.82	39.76
26 05 33 13-0773 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.08 34.61	46.14
26 05 33 13-0774 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0740) Note: 3-Piece coupling.		
26 05 33 13-0775 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.26 14.74 4.91 9.83 12.29 17.20 19.66 24.57 27.03 14.74	19.64

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0776	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	62.73	21.97
		For Work In Restricted Working Space, Add	16.46	
		For Elevated Installation >10' To 15', Add	5.49	
		For Elevated Installation >15' To 20', Add	10.97	
		For Elevated Installation >20' To 25', Add	13.71	
		For Elevated Installation >25' To 30', Add	19.20	
		For Elevated Installation >30' To 35', Add	21.94	
		For Elevated Installation >35' To 40', Add	27.43	
		For Elevated Installation >40', Add	30.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.46	
26 05 33 13-0777	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	76.29	24.42
		For Work In Restricted Working Space, Add	18.33	
		For Elevated Installation >10' To 15', Add	6.11	
		For Elevated Installation >15' To 20', Add	12.22	
		For Elevated Installation >20' To 25', Add	15.27	
		For Elevated Installation >25' To 30', Add	21.38	
		For Elevated Installation >30' To 35', Add	24.44	
		For Elevated Installation >35' To 40', Add	30.55	
		For Elevated Installation >40', Add	33.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.33	
26 05 33 13-0778	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	94.81	26.75
		For Work In Restricted Working Space, Add	20.06	
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.37	
		For Elevated Installation >20' To 25', Add	16.71	
		For Elevated Installation >25' To 30', Add	23.40	
		For Elevated Installation >30' To 35', Add	26.74	
		For Elevated Installation >35' To 40', Add	33.43	
		For Elevated Installation >40', Add	36.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.06	
26 05 33 13-0779	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	108.25	29.21
		For Work In Restricted Working Space, Add	21.95	
		For Elevated Installation >10' To 15', Add	7.32	
		For Elevated Installation >15' To 20', Add	14.63	
		For Elevated Installation >20' To 25', Add	18.29	
		For Elevated Installation >25' To 30', Add	25.60	
		For Elevated Installation >30' To 35', Add	29.26	
		For Elevated Installation >35' To 40', Add	36.58	
		For Elevated Installation >40', Add	40.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.95	
26 05 33 13-0780	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	149.40	31.66
		For Work In Restricted Working Space, Add	23.76	
		For Elevated Installation >10' To 15', Add	7.92	
		For Elevated Installation >15' To 20', Add	15.84	
		For Elevated Installation >20' To 25', Add	19.80	
		For Elevated Installation >25' To 30', Add	27.72	
		For Elevated Installation >30' To 35', Add	31.68	
		For Elevated Installation >35' To 40', Add	39.61	
		For Elevated Installation >40', Add	43.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-0781	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	248.31	39.27
		For Work In Restricted Working Space, Add	29.45	
		For Elevated Installation >10' To 15', Add	9.82	
		For Elevated Installation >15' To 20', Add	19.63	
		For Elevated Installation >20' To 25', Add	24.54	
		For Elevated Installation >25' To 30', Add	34.36	
		For Elevated Installation >30' To 35', Add	39.27	
		For Elevated Installation >35' To 40', Add	49.09	
		For Elevated Installation >40', Add	53.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-0782	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	351.67	49.08
		For Work In Restricted Working Space, Add	36.81	
		For Elevated Installation >10' To 15', Add	12.27	
		For Elevated Installation >15' To 20', Add	24.54	
		For Elevated Installation >20' To 25', Add	30.68	
		For Elevated Installation >25' To 30', Add	42.95	
		For Elevated Installation >30' To 35', Add	49.08	
		For Elevated Installation >35' To 40', Add	61.36	
		For Elevated Installation >40', Add	67.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.81	
26 05 33 13-0783	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	515.15	58.91
		For Work In Restricted Working Space, Add	44.19	
		For Elevated Installation >10' To 15', Add	14.73	
		For Elevated Installation >15' To 20', Add	29.46	
		For Elevated Installation >20' To 25', Add	36.83	
		For Elevated Installation >25' To 30', Add	51.56	
		For Elevated Installation >30' To 35', Add	58.92	
		For Elevated Installation >35' To 40', Add	73.66	
		For Elevated Installation >40', Add	81.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0784	EA		4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	594.92	63.81
			For Work In Restricted Working Space, Add	47.85	
			For Elevated Installation >10' To 15', Add	15.95	
			For Elevated Installation >15' To 20', Add	31.90	
			For Elevated Installation >20' To 25', Add	39.88	
			For Elevated Installation >25' To 30', Add	55.83	
			For Elevated Installation >30' To 35', Add	63.80	
			For Elevated Installation >35' To 40', Add	79.76	
			For Elevated Installation >40', Add	87.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.85	
26 05 33 13-0785			Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors (26 05 33 13-0740)		
26 05 33 13-0786	EA		1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	31.21	9.81
			For Work In Restricted Working Space, Add	7.37	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.91	
			For Elevated Installation >20' To 25', Add	6.14	
			For Elevated Installation >25' To 30', Add	8.59	
			For Elevated Installation >30' To 35', Add	9.82	
			For Elevated Installation >35' To 40', Add	12.28	
			For Elevated Installation >40', Add	13.50	
26 05 33 13-0787	EA		3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	34.88	10.79
			For Work In Restricted Working Space, Add	8.10	
			For Elevated Installation >10' To 15', Add	2.70	
			For Elevated Installation >15' To 20', Add	5.40	
			For Elevated Installation >20' To 25', Add	6.75	
			For Elevated Installation >25' To 30', Add	9.45	
			For Elevated Installation >30' To 35', Add	10.80	
			For Elevated Installation >35' To 40', Add	13.50	
			For Elevated Installation >40', Add	14.85	
26 05 33 13-0788	EA		1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	40.06	12.27
			For Work In Restricted Working Space, Add	9.20	
			For Elevated Installation >10' To 15', Add	3.07	
			For Elevated Installation >15' To 20', Add	6.14	
			For Elevated Installation >20' To 25', Add	7.67	
			For Elevated Installation >25' To 30', Add	10.74	
			For Elevated Installation >30' To 35', Add	12.27	
			For Elevated Installation >35' To 40', Add	15.34	
			For Elevated Installation >40', Add	16.87	
26 05 33 13-0789	EA		1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	45.52	13.25
			For Work In Restricted Working Space, Add	9.94	
			For Elevated Installation >10' To 15', Add	3.31	
			For Elevated Installation >15' To 20', Add	6.63	
			For Elevated Installation >20' To 25', Add	8.28	
			For Elevated Installation >25' To 30', Add	11.60	
			For Elevated Installation >30' To 35', Add	13.25	
			For Elevated Installation >35' To 40', Add	16.57	
			For Elevated Installation >40', Add	18.22	
26 05 33 13-0790	EA		1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	54.08	14.72
			For Work In Restricted Working Space, Add	11.04	
			For Elevated Installation >10' To 15', Add	3.68	
			For Elevated Installation >15' To 20', Add	7.36	
			For Elevated Installation >20' To 25', Add	9.20	
			For Elevated Installation >25' To 30', Add	12.88	
			For Elevated Installation >30' To 35', Add	14.72	
			For Elevated Installation >35' To 40', Add	18.41	
			For Elevated Installation >40', Add	20.25	
26 05 33 13-0791	EA		2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	66.01	16.20
			For Work In Restricted Working Space, Add	12.15	
			For Elevated Installation >10' To 15', Add	4.05	
			For Elevated Installation >15' To 20', Add	8.10	
			For Elevated Installation >20' To 25', Add	10.12	
			For Elevated Installation >25' To 30', Add	14.17	
			For Elevated Installation >30' To 35', Add	16.20	
			For Elevated Installation >35' To 40', Add	20.25	
			For Elevated Installation >40', Add	22.27	
26 05 33 13-0792	EA		2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	89.99	19.64
			For Work In Restricted Working Space, Add	14.72	
			For Elevated Installation >10' To 15', Add	4.91	
			For Elevated Installation >15' To 20', Add	9.82	
			For Elevated Installation >20' To 25', Add	12.27	
			For Elevated Installation >25' To 30', Add	17.18	
			For Elevated Installation >30' To 35', Add	19.63	
			For Elevated Installation >35' To 40', Add	24.54	
			For Elevated Installation >40', Add	26.99	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0793	EA		3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	111.28	24.55
			For Work In Restricted Working Space, Add	18.41	
			For Elevated Installation >10' To 15', Add	6.14	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.48	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.68	
			For Elevated Installation >40', Add	33.75	
26 05 33 13-0794	EA		3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	133.69	29.45
			For Work In Restricted Working Space, Add	22.09	
			For Elevated Installation >10' To 15', Add	7.36	
			For Elevated Installation >15' To 20', Add	14.73	
			For Elevated Installation >20' To 25', Add	18.41	
			For Elevated Installation >25' To 30', Add	25.77	
			For Elevated Installation >30' To 35', Add	29.45	
			For Elevated Installation >35' To 40', Add	36.82	
			For Elevated Installation >40', Add	40.50	
26 05 33 13-0795	EA		4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	151.08	31.90
			For Work In Restricted Working Space, Add	23.93	
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.95	
			For Elevated Installation >20' To 25', Add	19.94	
			For Elevated Installation >25' To 30', Add	27.92	
			For Elevated Installation >30' To 35', Add	31.90	
			For Elevated Installation >35' To 40', Add	39.88	
			For Elevated Installation >40', Add	43.87	
26 05 33 13-0796			Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0740)		
26 05 33 13-0797	EA		1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	27.33	9.81
			For Work In Restricted Working Space, Add	7.37	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.91	
			For Elevated Installation >20' To 25', Add	6.14	
			For Elevated Installation >25' To 30', Add	8.59	
			For Elevated Installation >30' To 35', Add	9.82	
			For Elevated Installation >35' To 40', Add	12.28	
			For Elevated Installation >40', Add	13.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 05 33 13-0798	EA		3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	34.85	12.27
			For Work In Restricted Working Space, Add	9.20	
			For Elevated Installation >10' To 15', Add	3.07	
			For Elevated Installation >15' To 20', Add	6.14	
			For Elevated Installation >20' To 25', Add	7.67	
			For Elevated Installation >25' To 30', Add	10.74	
			For Elevated Installation >30' To 35', Add	12.27	
			For Elevated Installation >35' To 40', Add	15.34	
			For Elevated Installation >40', Add	16.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-0799	EA		1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	42.97	14.72
			For Work In Restricted Working Space, Add	11.04	
			For Elevated Installation >10' To 15', Add	3.68	
			For Elevated Installation >15' To 20', Add	7.36	
			For Elevated Installation >20' To 25', Add	9.20	
			For Elevated Installation >25' To 30', Add	12.88	
			For Elevated Installation >30' To 35', Add	14.72	
			For Elevated Installation >35' To 40', Add	18.41	
			For Elevated Installation >40', Add	20.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.04	
26 05 33 13-0800	EA		1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	51.66	17.18
			For Work In Restricted Working Space, Add	12.89	
			For Elevated Installation >10' To 15', Add	4.30	
			For Elevated Installation >15' To 20', Add	8.59	
			For Elevated Installation >20' To 25', Add	10.74	
			For Elevated Installation >25' To 30', Add	15.03	
			For Elevated Installation >30' To 35', Add	17.18	
			For Elevated Installation >35' To 40', Add	21.48	
			For Elevated Installation >40', Add	23.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 05 33 13-0801	EA		1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	60.30	19.64
			For Work In Restricted Working Space, Add	14.72	
			For Elevated Installation >10' To 15', Add	4.91	
			For Elevated Installation >15' To 20', Add	9.82	
			For Elevated Installation >20' To 25', Add	12.27	
			For Elevated Installation >25' To 30', Add	17.18	
			For Elevated Installation >30' To 35', Add	19.63	
			For Elevated Installation >35' To 40', Add	24.54	
			For Elevated Installation >40', Add	26.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.72	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0802 EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.44 16.57 5.52 11.04 13.81 19.33 22.09 27.61 30.37 16.57	22.09
26 05 33 13-0803 EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.54 18.41 6.14 12.27 15.34 21.48 24.54 30.68 33.75 18.41	24.55
26 05 33 13-0804 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.08 20.24 6.75 13.50 16.87 23.62 26.99 33.74 37.11 20.24	26.99
26 05 33 13-0805 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127.20 23.93 7.98 15.95 19.94 27.92 31.90 39.88 43.87 23.93	31.90
26 05 33 13-0806 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.76 25.77 8.59 17.18 21.47 30.06 34.36 42.95 47.24 25.77	34.36
26 05 33 13-0807 Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0740)		
26 05 33 13-0808 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	169.20 14.73 4.91 9.82 12.27 17.18 19.64 24.55 27.00	19.64
26 05 33 13-0809 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	187.34 16.57 5.52 11.04 13.81 19.33 22.09 27.61 30.37	22.09
26 05 33 13-0810 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	208.20 18.41 6.14 12.27 15.34 21.48 24.54 30.68 33.75	24.55

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0811 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	250.66	26.99
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.62	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.12	
26 05 33 13-0812 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	305.96	29.45
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.72	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.81	
For Elevated Installation >40', Add	40.49	
26 05 33 13-0813 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting	400.15	31.90
For Work In Restricted Working Space, Add	23.93	
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.91	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.86	
26 05 33 13-0814 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	601.44	39.27
For Work In Restricted Working Space, Add	29.45	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
26 05 33 13-0815 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting	723.65	49.08
For Work In Restricted Working Space, Add	36.81	
For Elevated Installation >10' To 15', Add	12.27	
For Elevated Installation >15' To 20', Add	24.54	
For Elevated Installation >20' To 25', Add	30.68	
For Elevated Installation >25' To 30', Add	42.95	
For Elevated Installation >30' To 35', Add	49.08	
For Elevated Installation >35' To 40', Add	61.36	
For Elevated Installation >40', Add	67.49	
26 05 33 13-0816 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,005.78	58.91
For Work In Restricted Working Space, Add	44.18	
For Elevated Installation >10' To 15', Add	14.73	
For Elevated Installation >15' To 20', Add	29.45	
For Elevated Installation >20' To 25', Add	36.82	
For Elevated Installation >25' To 30', Add	51.54	
For Elevated Installation >30' To 35', Add	58.91	
For Elevated Installation >35' To 40', Add	73.64	
For Elevated Installation >40', Add	81.00	
26 05 33 13-0817 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,161.85	63.81
For Work In Restricted Working Space, Add	47.85	
For Elevated Installation >10' To 15', Add	15.95	
For Elevated Installation >15' To 20', Add	31.90	
For Elevated Installation >20' To 25', Add	39.88	
For Elevated Installation >25' To 30', Add	55.83	
For Elevated Installation >30' To 35', Add	63.80	
For Elevated Installation >35' To 40', Add	79.76	
For Elevated Installation >40', Add	87.73	
26 05 33 13-0818 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0740)		
26 05 33 13-0819 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	107.58	30.68
For Work In Restricted Working Space, Add	18.41	
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-0820 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	127.91	36.81
For Work In Restricted Working Space, Add	22.09	
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.09	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0821	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	155.66	42.95
		For Work In Restricted Working Space, Add	25.77	
		For Elevated Installation >10' To 15', Add	8.59	
		For Elevated Installation >15' To 20', Add	17.18	
		For Elevated Installation >20' To 25', Add	21.48	
		For Elevated Installation >25' To 30', Add	30.07	
		For Elevated Installation >30' To 35', Add	34.36	
		For Elevated Installation >35' To 40', Add	42.95	
		For Elevated Installation >40', Add	47.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.77	
26 05 33 13-0822	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	182.89	49.08
		For Work In Restricted Working Space, Add	29.45	
		For Elevated Installation >10' To 15', Add	9.82	
		For Elevated Installation >15' To 20', Add	19.63	
		For Elevated Installation >20' To 25', Add	24.54	
		For Elevated Installation >25' To 30', Add	34.36	
		For Elevated Installation >30' To 35', Add	39.27	
		For Elevated Installation >35' To 40', Add	49.09	
		For Elevated Installation >40', Add	53.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-0823	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	237.99	55.22
		For Work In Restricted Working Space, Add	33.13	
		For Elevated Installation >10' To 15', Add	11.04	
		For Elevated Installation >15' To 20', Add	22.09	
		For Elevated Installation >20' To 25', Add	27.61	
		For Elevated Installation >25' To 30', Add	38.65	
		For Elevated Installation >30' To 35', Add	44.18	
		For Elevated Installation >35' To 40', Add	55.22	
		For Elevated Installation >40', Add	60.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.13	
26 05 33 13-0824	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	287.96	61.36
		For Work In Restricted Working Space, Add	36.81	
		For Elevated Installation >10' To 15', Add	12.27	
		For Elevated Installation >15' To 20', Add	24.54	
		For Elevated Installation >20' To 25', Add	30.68	
		For Elevated Installation >25' To 30', Add	42.95	
		For Elevated Installation >30' To 35', Add	49.08	
		For Elevated Installation >35' To 40', Add	61.36	
		For Elevated Installation >40', Add	67.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.81	
26 05 33 13-0825	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	404.01	73.63
		For Work In Restricted Working Space, Add	44.18	
		For Elevated Installation >10' To 15', Add	14.73	
		For Elevated Installation >15' To 20', Add	29.45	
		For Elevated Installation >20' To 25', Add	36.82	
		For Elevated Installation >25' To 30', Add	51.54	
		For Elevated Installation >30' To 35', Add	58.90	
		For Elevated Installation >35' To 40', Add	73.63	
		For Elevated Installation >40', Add	80.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.18	
26 05 33 13-0826	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	485.42	85.90
		For Work In Restricted Working Space, Add	51.54	
		For Elevated Installation >10' To 15', Add	17.18	
		For Elevated Installation >15' To 20', Add	34.36	
		For Elevated Installation >20' To 25', Add	42.95	
		For Elevated Installation >25' To 30', Add	60.13	
		For Elevated Installation >30' To 35', Add	68.72	
		For Elevated Installation >35' To 40', Add	85.90	
		For Elevated Installation >40', Add	94.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.54	
26 05 33 13-0827	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,100.88	98.17
		For Work In Restricted Working Space, Add	58.90	
		For Elevated Installation >10' To 15', Add	19.63	
		For Elevated Installation >15' To 20', Add	39.27	
		For Elevated Installation >20' To 25', Add	49.09	
		For Elevated Installation >25' To 30', Add	68.72	
		For Elevated Installation >30' To 35', Add	78.54	
		For Elevated Installation >35' To 40', Add	98.17	
		For Elevated Installation >40', Add	107.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.90	
26 05 33 13-0828	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,267.75	110.44
		For Work In Restricted Working Space, Add	66.26	
		For Elevated Installation >10' To 15', Add	22.09	
		For Elevated Installation >15' To 20', Add	44.18	
		For Elevated Installation >20' To 25', Add	55.22	
		For Elevated Installation >25' To 30', Add	77.31	
		For Elevated Installation >30' To 35', Add	88.35	
		For Elevated Installation >35' To 40', Add	110.44	
		For Elevated Installation >40', Add	121.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.26	

26 05 33 13-0829 Intermediate Metal Conduit (IMC) Threaded Couplings (26 05 33 13-0740)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0830 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	16.30	5.89
For Work In Restricted Working Space, Add	4.42	
For Elevated Installation >10' To 15', Add	1.47	
For Elevated Installation >15' To 20', Add	2.94	
For Elevated Installation >20' To 25', Add	3.68	
For Elevated Installation >25' To 30', Add	5.15	
For Elevated Installation >30' To 35', Add	5.89	
For Elevated Installation >35' To 40', Add	7.36	
For Elevated Installation >40', Add	8.10	
26 05 33 13-0831 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	22.78	8.35
For Work In Restricted Working Space, Add	6.26	
For Elevated Installation >10' To 15', Add	2.09	
For Elevated Installation >15' To 20', Add	4.17	
For Elevated Installation >20' To 25', Add	5.22	
For Elevated Installation >25' To 30', Add	7.30	
For Elevated Installation >30' To 35', Add	8.35	
For Elevated Installation >35' To 40', Add	10.44	
For Elevated Installation >40', Add	11.48	
26 05 33 13-0832 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling	29.83	10.79
For Work In Restricted Working Space, Add	8.09	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.40	
For Elevated Installation >20' To 25', Add	6.75	
For Elevated Installation >25' To 30', Add	9.44	
For Elevated Installation >30' To 35', Add	10.79	
For Elevated Installation >35' To 40', Add	13.49	
For Elevated Installation >40', Add	14.84	
26 05 33 13-0833 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	34.25	12.27
For Work In Restricted Working Space, Add	9.20	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.27	
For Elevated Installation >35' To 40', Add	15.34	
For Elevated Installation >40', Add	16.87	
26 05 33 13-0834 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	41.29	14.72
For Work In Restricted Working Space, Add	11.04	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.36	
For Elevated Installation >20' To 25', Add	9.20	
For Elevated Installation >25' To 30', Add	12.88	
For Elevated Installation >30' To 35', Add	14.72	
For Elevated Installation >35' To 40', Add	18.40	
For Elevated Installation >40', Add	20.23	
26 05 33 13-0835 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling	47.67	16.69
For Work In Restricted Working Space, Add	12.52	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.35	
For Elevated Installation >20' To 25', Add	10.44	
For Elevated Installation >25' To 30', Add	14.61	
For Elevated Installation >30' To 35', Add	16.70	
For Elevated Installation >35' To 40', Add	20.87	
For Elevated Installation >40', Add	22.96	
26 05 33 13-0836 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	59.76	18.65
For Work In Restricted Working Space, Add	13.99	
For Elevated Installation >10' To 15', Add	4.66	
For Elevated Installation >15' To 20', Add	9.32	
For Elevated Installation >20' To 25', Add	11.66	
For Elevated Installation >25' To 30', Add	16.32	
For Elevated Installation >30' To 35', Add	18.65	
For Elevated Installation >35' To 40', Add	23.31	
For Elevated Installation >40', Add	25.64	
26 05 33 13-0837 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling	70.71	21.11
For Work In Restricted Working Space, Add	15.83	
For Elevated Installation >10' To 15', Add	5.28	
For Elevated Installation >15' To 20', Add	10.55	
For Elevated Installation >20' To 25', Add	13.19	
For Elevated Installation >25' To 30', Add	18.47	
For Elevated Installation >30' To 35', Add	21.11	
For Elevated Installation >35' To 40', Add	26.39	
For Elevated Installation >40', Add	29.02	
26 05 33 13-0838 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	81.67	23.07
For Work In Restricted Working Space, Add	17.31	
For Elevated Installation >10' To 15', Add	5.77	
For Elevated Installation >15' To 20', Add	11.54	
For Elevated Installation >20' To 25', Add	14.42	
For Elevated Installation >25' To 30', Add	20.19	
For Elevated Installation >30' To 35', Add	23.08	
For Elevated Installation >35' To 40', Add	28.85	
For Elevated Installation >40', Add	31.73	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
26 05 33 13-0839	EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	85.51 18.40 6.13 12.27 15.34 21.47 24.54 30.67 33.74		24.55
26 05 33 13-0840	Intermediate Metal Conduit (IMC) Reducer Bushings (26 05 33 13-0740)			
26 05 33 13-0841	EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	7.89 1.84 0.61 1.23 1.53 2.15 2.45 3.07 3.37		2.46
26 05 33 13-0842	EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	8.91 1.84 0.61 1.23 1.53 2.15 2.45 3.07 3.37		2.46
26 05 33 13-0843	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0059) Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.			
26 05 33 13-0844	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0843) Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2508 for field bending >1".			
26 05 33 13-0845	LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	14.47 -0.51 -0.87 -1.23 0.86 1.72 2.15 3.01 3.44 4.30 4.72 2.58		3.44
26 05 33 13-0846	LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	16.62 -0.59 -1.00 -1.42 0.98 1.96 2.45 3.43 3.92 4.91 5.40 2.94		3.93
26 05 33 13-0847	LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	21.08 -0.75 -1.27 -1.80 1.23 2.45 3.07 4.29 4.91 6.14 6.75 3.68		4.91

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0848 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	25.90	5.89
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.57	
For >1,000, Deduct	-2.22	
For Elevated Installation >10' To 15', Add	1.47	
For Elevated Installation >15' To 20', Add	2.94	
For Elevated Installation >20' To 25', Add	3.68	
For Elevated Installation >25' To 30', Add	5.15	
For Elevated Installation >30' To 35', Add	5.89	
For Elevated Installation >35' To 40', Add	7.36	
For Elevated Installation >40', Add	8.10	
For Work In Restricted Working Space, Add	4.42	
26 05 33 13-0849 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	31.99	7.37
For >250 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-1.94	
For >1,000, Deduct	-2.74	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.44	
For Elevated Installation >30' To 35', Add	7.36	
For Elevated Installation >35' To 40', Add	9.20	
For Elevated Installation >40', Add	10.12	
For Work In Restricted Working Space, Add	5.52	
26 05 33 13-0850 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	39.79	8.84
For >250 To 500, Deduct	-1.44	
For >500 To 1,000, Deduct	-2.43	
For >1,000, Deduct	-3.43	
For Elevated Installation >10' To 15', Add	2.21	
For Elevated Installation >15' To 20', Add	4.42	
For Elevated Installation >20' To 25', Add	5.52	
For Elevated Installation >25' To 30', Add	7.73	
For Elevated Installation >30' To 35', Add	8.84	
For Elevated Installation >35' To 40', Add	11.05	
For Elevated Installation >40', Add	12.15	
For Work In Restricted Working Space, Add	6.63	
26 05 33 13-0851 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	52.62	10.30
For >250 To 500, Deduct	-1.99	
For >500 To 1,000, Deduct	-3.30	
For >1,000, Deduct	-4.62	
For Elevated Installation >10' To 15', Add	2.58	
For Elevated Installation >15' To 20', Add	5.15	
For Elevated Installation >20' To 25', Add	6.44	
For Elevated Installation >25' To 30', Add	9.02	
For Elevated Installation >30' To 35', Add	10.31	
For Elevated Installation >35' To 40', Add	12.89	
For Elevated Installation >40', Add	14.17	
For Work In Restricted Working Space, Add	7.73	
26 05 33 13-0852 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	65.75	12.76
For >250 To 500, Deduct	-2.49	
For >500 To 1,000, Deduct	-4.13	
For >1,000, Deduct	-5.78	
For Elevated Installation >10' To 15', Add	3.19	
For Elevated Installation >15' To 20', Add	6.38	
For Elevated Installation >20' To 25', Add	7.98	
For Elevated Installation >25' To 30', Add	11.17	
For Elevated Installation >30' To 35', Add	12.76	
For Elevated Installation >35' To 40', Add	15.95	
For Elevated Installation >40', Add	17.55	
For Work In Restricted Working Space, Add	9.57	
26 05 33 13-0853 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	80.68	15.71
For >250 To 500, Deduct	-3.05	
For >500 To 1,000, Deduct	-5.07	
For >1,000, Deduct	-7.09	
For Elevated Installation >10' To 15', Add	3.93	
For Elevated Installation >15' To 20', Add	7.85	
For Elevated Installation >20' To 25', Add	9.82	
For Elevated Installation >25' To 30', Add	13.74	
For Elevated Installation >30' To 35', Add	15.71	
For Elevated Installation >35' To 40', Add	19.64	
For Elevated Installation >40', Add	21.60	
For Work In Restricted Working Space, Add	11.78	
26 05 33 13-0854 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	95.45	18.65
For >250 To 500, Deduct	-3.61	
For >500 To 1,000, Deduct	-5.99	
For >1,000, Deduct	-8.38	
For Elevated Installation >10' To 15', Add	4.66	
For Elevated Installation >15' To 20', Add	9.33	
For Elevated Installation >20' To 25', Add	11.66	
For Elevated Installation >25' To 30', Add	16.32	
For Elevated Installation >30' To 35', Add	18.65	
For Elevated Installation >35' To 40', Add	23.32	
For Elevated Installation >40', Add	25.65	
For Work In Restricted Working Space, Add	13.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0855	LF	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	141.73	22.09
			For >250 To 500, Deduct	-5.71	
			For >500 To 1,000, Deduct	-9.25	
			For >1,000, Deduct	-12.79	
			For Elevated Installation >10' To 15', Add	5.52	
			For Elevated Installation >15' To 20', Add	11.04	
			For Elevated Installation >20' To 25', Add	13.81	
			For Elevated Installation >25' To 30', Add	19.33	
			For Elevated Installation >30' To 35', Add	22.09	
			For Elevated Installation >35' To 40', Add	27.61	
			For Elevated Installation >40', Add	30.37	
			For Work In Restricted Working Space, Add	16.57	
26 05 33 13-0856	LF	6"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	192.19	29.45
			For >250 To 500, Deduct	-7.77	
			For >500 To 1,000, Deduct	-12.57	
			For >1,000, Deduct	-17.38	
			For Elevated Installation >10' To 15', Add	7.36	
			For Elevated Installation >15' To 20', Add	14.73	
			For Elevated Installation >20' To 25', Add	18.41	
			For Elevated Installation >25' To 30', Add	25.77	
			For Elevated Installation >30' To 35', Add	29.45	
			For Elevated Installation >35' To 40', Add	36.82	
			For Elevated Installation >40', Add	40.50	
			For Work In Restricted Working Space, Add	22.09	
26 05 33 13-0857			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings		
26 05 33 13-0858	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	20.92	7.37
			For Elevated Installation >10' To 15', Add	1.47	
			For Elevated Installation >15' To 20', Add	2.94	
			For Elevated Installation >20' To 25', Add	3.68	
			For Elevated Installation >25' To 30', Add	5.15	
			For Elevated Installation >30' To 35', Add	5.89	
			For Elevated Installation >35' To 40', Add	7.36	
			For Elevated Installation >40', Add	8.10	
			For Work In Restricted Working Space, Add	4.42	
26 05 33 13-0859	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	27.36	10.43
			For Elevated Installation >10' To 15', Add	2.09	
			For Elevated Installation >15' To 20', Add	4.17	
			For Elevated Installation >20' To 25', Add	5.22	
			For Elevated Installation >25' To 30', Add	7.30	
			For Elevated Installation >30' To 35', Add	8.34	
			For Elevated Installation >35' To 40', Add	10.43	
			For Elevated Installation >40', Add	11.47	
			For Work In Restricted Working Space, Add	6.26	
26 05 33 13-0860	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	35.43	13.50
			For Elevated Installation >10' To 15', Add	2.70	
			For Elevated Installation >15' To 20', Add	5.40	
			For Elevated Installation >20' To 25', Add	6.75	
			For Elevated Installation >25' To 30', Add	9.45	
			For Elevated Installation >30' To 35', Add	10.80	
			For Elevated Installation >35' To 40', Add	13.50	
			For Elevated Installation >40', Add	14.84	
			For Work In Restricted Working Space, Add	8.10	
26 05 33 13-0861	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	40.52	15.34
			For Elevated Installation >10' To 15', Add	3.07	
			For Elevated Installation >15' To 20', Add	6.14	
			For Elevated Installation >20' To 25', Add	7.67	
			For Elevated Installation >25' To 30', Add	10.74	
			For Elevated Installation >30' To 35', Add	12.27	
			For Elevated Installation >35' To 40', Add	15.34	
			For Elevated Installation >40', Add	16.87	
			For Work In Restricted Working Space, Add	9.20	
26 05 33 13-0862	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	48.51	18.40
			For Elevated Installation >10' To 15', Add	3.68	
			For Elevated Installation >15' To 20', Add	7.36	
			For Elevated Installation >20' To 25', Add	9.20	
			For Elevated Installation >25' To 30', Add	12.88	
			For Elevated Installation >30' To 35', Add	14.72	
			For Elevated Installation >35' To 40', Add	18.41	
			For Elevated Installation >40', Add	20.25	
			For Work In Restricted Working Space, Add	11.04	
26 05 33 13-0863	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	58.86	20.86
			For Elevated Installation >10' To 15', Add	4.17	
			For Elevated Installation >15' To 20', Add	8.35	
			For Elevated Installation >20' To 25', Add	10.43	
			For Elevated Installation >25' To 30', Add	14.61	
			For Elevated Installation >30' To 35', Add	16.69	
			For Elevated Installation >35' To 40', Add	20.87	
			For Elevated Installation >40', Add	22.95	
			For Work In Restricted Working Space, Add	12.52	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0864 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	89.02	20.86
For Elevated Installation >10' To 15', Add	4.66	
For Elevated Installation >15' To 20', Add	9.33	
For Elevated Installation >20' To 25', Add	11.66	
For Elevated Installation >25' To 30', Add	16.32	
For Elevated Installation >30' To 35', Add	18.65	
For Elevated Installation >35' To 40', Add	23.32	
For Elevated Installation >40', Add	25.65	
For Work In Restricted Working Space, Add	13.99	
26 05 33 13-0865 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	104.24	28.84
For Elevated Installation >10' To 15', Add	5.28	
For Elevated Installation >15' To 20', Add	10.55	
For Elevated Installation >20' To 25', Add	13.19	
For Elevated Installation >25' To 30', Add	18.47	
For Elevated Installation >30' To 35', Add	21.10	
For Elevated Installation >35' To 40', Add	26.38	
For Elevated Installation >40', Add	29.02	
For Work In Restricted Working Space, Add	15.83	
26 05 33 13-0866 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	123.72	28.84
For Elevated Installation >10' To 15', Add	5.77	
For Elevated Installation >15' To 20', Add	11.53	
For Elevated Installation >20' To 25', Add	14.42	
For Elevated Installation >25' To 30', Add	20.18	
For Elevated Installation >30' To 35', Add	23.07	
For Elevated Installation >35' To 40', Add	28.84	
For Elevated Installation >40', Add	31.72	
For Work In Restricted Working Space, Add	17.30	
26 05 33 13-0867 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	138.58	30.68
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
For Work In Restricted Working Space, Add	18.41	
26 05 33 13-0868 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	325.26	36.81
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
For Work In Restricted Working Space, Add	22.09	
26 05 33 13-0869 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	366.99	42.95
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.18	
For Elevated Installation >20' To 25', Add	21.48	
For Elevated Installation >25' To 30', Add	30.07	
For Elevated Installation >30' To 35', Add	34.36	
For Elevated Installation >35' To 40', Add	42.95	
For Elevated Installation >40', Add	47.25	
For Work In Restricted Working Space, Add	25.77	
26 05 33 13-0870 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel		
(RGS) Standard Radius Elbows (26 05 33 13-0843)		
Note: 90, 45, or 30-degree.		
26 05 33 13-0871 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	61.63	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
26 05 33 13-0872 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	72.03	24.73
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.36	
For Elevated Installation >25' To 30', Add	17.31	
For Elevated Installation >30' To 35', Add	19.78	
For Elevated Installation >35' To 40', Add	24.73	
For Elevated Installation >40', Add	27.20	
For Work In Restricted Working Space, Add	14.84	
26 05 33 13-0873 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	86.51	30.31
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
For Work In Restricted Working Space, Add	18.19	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0874	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	102.01	35.10
		For Elevated Installation >10' To 15', Add	7.02	
		For Elevated Installation >15' To 20', Add	14.04	
		For Elevated Installation >20' To 25', Add	17.55	
		For Elevated Installation >25' To 30', Add	24.57	
		For Elevated Installation >30' To 35', Add	28.08	
		For Elevated Installation >35' To 40', Add	35.10	
		For Elevated Installation >40', Add	38.60	
		For Work In Restricted Working Space, Add	21.06	
26 05 33 13-0875	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	118.86	39.88
		For Elevated Installation >10' To 15', Add	7.98	
		For Elevated Installation >15' To 20', Add	15.95	
		For Elevated Installation >20' To 25', Add	19.94	
		For Elevated Installation >25' To 30', Add	27.92	
		For Elevated Installation >30' To 35', Add	31.90	
		For Elevated Installation >35' To 40', Add	39.88	
		For Elevated Installation >40', Add	43.87	
		For Work In Restricted Working Space, Add	23.93	
26 05 33 13-0876	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	142.31	43.87
		For Elevated Installation >10' To 15', Add	8.77	
		For Elevated Installation >15' To 20', Add	17.55	
		For Elevated Installation >20' To 25', Add	21.94	
		For Elevated Installation >25' To 30', Add	30.71	
		For Elevated Installation >30' To 35', Add	35.10	
		For Elevated Installation >35' To 40', Add	43.87	
		For Elevated Installation >40', Add	48.26	
		For Work In Restricted Working Space, Add	26.32	
26 05 33 13-0877	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	212.88	55.04
		For Elevated Installation >10' To 15', Add	11.01	
		For Elevated Installation >15' To 20', Add	22.01	
		For Elevated Installation >20' To 25', Add	27.52	
		For Elevated Installation >25' To 30', Add	38.52	
		For Elevated Installation >30' To 35', Add	44.03	
		For Elevated Installation >35' To 40', Add	55.04	
		For Elevated Installation >40', Add	60.54	
		For Work In Restricted Working Space, Add	33.02	
26 05 33 13-0878	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	314.24	74.97
		For Elevated Installation >10' To 15', Add	15.00	
		For Elevated Installation >15' To 20', Add	29.99	
		For Elevated Installation >20' To 25', Add	37.49	
		For Elevated Installation >25' To 30', Add	52.48	
		For Elevated Installation >30' To 35', Add	59.98	
		For Elevated Installation >35' To 40', Add	74.98	
		For Elevated Installation >40', Add	82.47	
		For Work In Restricted Working Space, Add	44.99	
26 05 33 13-0879	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	384.67	84.54
		For Elevated Installation >10' To 15', Add	16.91	
		For Elevated Installation >15' To 20', Add	33.82	
		For Elevated Installation >20' To 25', Add	42.28	
		For Elevated Installation >25' To 30', Add	59.19	
		For Elevated Installation >30' To 35', Add	67.64	
		For Elevated Installation >35' To 40', Add	84.55	
		For Elevated Installation >40', Add	93.01	
		For Work In Restricted Working Space, Add	50.73	
26 05 33 13-0880	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	448.03	110.07
		For Elevated Installation >10' To 15', Add	22.02	
		For Elevated Installation >15' To 20', Add	44.03	
		For Elevated Installation >20' To 25', Add	55.04	
		For Elevated Installation >25' To 30', Add	77.05	
		For Elevated Installation >30' To 35', Add	88.06	
		For Elevated Installation >35' To 40', Add	110.08	
		For Elevated Installation >40', Add	121.08	
		For Work In Restricted Working Space, Add	66.05	
26 05 33 13-0881	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	908.08	179.46
		For Elevated Installation >10' To 15', Add	35.89	
		For Elevated Installation >15' To 20', Add	71.79	
		For Elevated Installation >20' To 25', Add	89.73	
		For Elevated Installation >25' To 30', Add	125.63	
		For Elevated Installation >30' To 35', Add	143.57	
		For Elevated Installation >35' To 40', Add	179.47	
		For Elevated Installation >40', Add	197.41	
		For Work In Restricted Working Space, Add	107.68	
26 05 33 13-0882	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	1,421.90	269.60
		For Elevated Installation >10' To 15', Add	53.92	
		For Elevated Installation >15' To 20', Add	107.84	
		For Elevated Installation >20' To 25', Add	134.80	
		For Elevated Installation >25' To 30', Add	188.72	
		For Elevated Installation >30' To 35', Add	215.68	
		For Elevated Installation >35' To 40', Add	269.60	
		For Elevated Installation >40', Add	296.56	
		For Work In Restricted Working Space, Add	161.76	
26 05 33 13-0883		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows (26 05 33 13-0843)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0884 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	137.77	30.31
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
For Work In Restricted Working Space, Add	18.19	
26 05 33 13-0885 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	155.52	35.10
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
For Work In Restricted Working Space, Add	21.06	
26 05 33 13-0886 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	177.45	39.88
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	
For Work In Restricted Working Space, Add	23.93	
26 05 33 13-0887 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	209.92	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	
26 05 33 13-0888 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	289.40	55.04
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.03	
For Elevated Installation >35' To 40', Add	55.04	
For Elevated Installation >40', Add	60.54	
For Work In Restricted Working Space, Add	33.02	
26 05 33 13-0889 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows (26 05 33 13-0843)		
26 05 33 13-0890 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	151.63	30.31
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
For Work In Restricted Working Space, Add	18.19	
26 05 33 13-0891 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	178.43	35.10
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
For Work In Restricted Working Space, Add	21.06	
26 05 33 13-0892 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	193.87	39.88
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	
For Work In Restricted Working Space, Add	23.93	
26 05 33 13-0893 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	245.73	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0894	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	323.93	55.04
		For Elevated Installation >10' To 15', Add	11.01	
		For Elevated Installation >15' To 20', Add	22.01	
		For Elevated Installation >20' To 25', Add	27.52	
		For Elevated Installation >25' To 30', Add	38.52	
		For Elevated Installation >30' To 35', Add	44.03	
		For Elevated Installation >35' To 40', Add	55.04	
		For Elevated Installation >40', Add	60.54	
		For Work In Restricted Working Space, Add	33.02	
26 05 33 13-0895	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	416.65	74.97
		For Elevated Installation >10' To 15', Add	15.00	
		For Elevated Installation >15' To 20', Add	29.99	
		For Elevated Installation >20' To 25', Add	37.49	
		For Elevated Installation >25' To 30', Add	52.48	
		For Elevated Installation >30' To 35', Add	59.98	
		For Elevated Installation >35' To 40', Add	74.98	
		For Elevated Installation >40', Add	82.47	
		For Work In Restricted Working Space, Add	44.99	
26 05 33 13-0896 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows				
(26 05 33 13-0843)				
26 05 33 13-0897	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	168.20	30.31
		For Elevated Installation >10' To 15', Add	6.06	
		For Elevated Installation >15' To 20', Add	12.12	
		For Elevated Installation >20' To 25', Add	15.16	
		For Elevated Installation >25' To 30', Add	21.22	
		For Elevated Installation >30' To 35', Add	24.25	
		For Elevated Installation >35' To 40', Add	30.31	
		For Elevated Installation >40', Add	33.34	
		For Work In Restricted Working Space, Add	18.19	
26 05 33 13-0898	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	190.36	35.10
		For Elevated Installation >10' To 15', Add	7.02	
		For Elevated Installation >15' To 20', Add	14.04	
		For Elevated Installation >20' To 25', Add	17.55	
		For Elevated Installation >25' To 30', Add	24.57	
		For Elevated Installation >30' To 35', Add	28.08	
		For Elevated Installation >35' To 40', Add	35.10	
		For Elevated Installation >40', Add	38.60	
		For Work In Restricted Working Space, Add	21.06	
26 05 33 13-0899	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	214.94	39.88
		For Elevated Installation >10' To 15', Add	7.98	
		For Elevated Installation >15' To 20', Add	15.95	
		For Elevated Installation >20' To 25', Add	19.94	
		For Elevated Installation >25' To 30', Add	27.92	
		For Elevated Installation >30' To 35', Add	31.90	
		For Elevated Installation >35' To 40', Add	39.88	
		For Elevated Installation >40', Add	43.87	
		For Work In Restricted Working Space, Add	23.93	
26 05 33 13-0900	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	257.60	43.87
		For Elevated Installation >10' To 15', Add	8.77	
		For Elevated Installation >15' To 20', Add	17.55	
		For Elevated Installation >20' To 25', Add	21.94	
		For Elevated Installation >25' To 30', Add	30.71	
		For Elevated Installation >30' To 35', Add	35.10	
		For Elevated Installation >35' To 40', Add	43.87	
		For Elevated Installation >40', Add	48.26	
		For Work In Restricted Working Space, Add	26.32	
26 05 33 13-0901	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	363.61	55.04
		For Elevated Installation >10' To 15', Add	11.01	
		For Elevated Installation >15' To 20', Add	22.01	
		For Elevated Installation >20' To 25', Add	27.52	
		For Elevated Installation >25' To 30', Add	38.52	
		For Elevated Installation >30' To 35', Add	44.03	
		For Elevated Installation >35' To 40', Add	55.04	
		For Elevated Installation >40', Add	60.54	
		For Work In Restricted Working Space, Add	33.02	
26 05 33 13-0902	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	463.24	74.97
		For Elevated Installation >10' To 15', Add	15.00	
		For Elevated Installation >15' To 20', Add	29.99	
		For Elevated Installation >20' To 25', Add	37.49	
		For Elevated Installation >25' To 30', Add	52.48	
		For Elevated Installation >30' To 35', Add	59.98	
		For Elevated Installation >35' To 40', Add	74.98	
		For Elevated Installation >40', Add	82.47	
		For Work In Restricted Working Space, Add	44.99	
26 05 33 13-0903	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	579.77	84.54
		For Elevated Installation >10' To 15', Add	16.91	
		For Elevated Installation >15' To 20', Add	33.82	
		For Elevated Installation >20' To 25', Add	42.28	
		For Elevated Installation >25' To 30', Add	59.19	
		For Elevated Installation >30' To 35', Add	67.64	
		For Elevated Installation >35' To 40', Add	84.55	
		For Elevated Installation >40', Add	93.01	
		For Work In Restricted Working Space, Add	50.73	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0904 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow 660.58		110.07
For Elevated Installation >10' To 15', Add	22.02	
For Elevated Installation >15' To 20', Add	44.03	
For Elevated Installation >20' To 25', Add	55.04	
For Elevated Installation >25' To 30', Add	77.05	
For Elevated Installation >30' To 35', Add	88.06	
For Elevated Installation >35' To 40', Add	110.08	
For Elevated Installation >40', Add	121.08	
For Work In Restricted Working Space, Add	66.05	
26 05 33 13-0905 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows (26 05 33 13-0843)		
26 05 33 13-0906 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 196.83		30.31
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
For Work In Restricted Working Space, Add	18.19	
26 05 33 13-0907 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 218.36		35.10
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
For Work In Restricted Working Space, Add	21.06	
26 05 33 13-0908 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 246.74		39.88
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	
For Work In Restricted Working Space, Add	23.93	
26 05 33 13-0909 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 303.39		43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	
26 05 33 13-0910 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 434.63		55.04
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.03	
For Elevated Installation >35' To 40', Add	55.04	
For Elevated Installation >40', Add	60.54	
For Work In Restricted Working Space, Add	33.02	
26 05 33 13-0911 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 542.17		74.97
For Elevated Installation >10' To 15', Add	15.00	
For Elevated Installation >15' To 20', Add	29.99	
For Elevated Installation >20' To 25', Add	37.49	
For Elevated Installation >25' To 30', Add	52.48	
For Elevated Installation >30' To 35', Add	59.98	
For Elevated Installation >35' To 40', Add	74.98	
For Elevated Installation >40', Add	82.47	
For Work In Restricted Working Space, Add	44.99	
26 05 33 13-0912 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 627.97		84.54
For Elevated Installation >10' To 15', Add	16.91	
For Elevated Installation >15' To 20', Add	33.82	
For Elevated Installation >20' To 25', Add	42.28	
For Elevated Installation >25' To 30', Add	59.19	
For Elevated Installation >30' To 35', Add	67.64	
For Elevated Installation >35' To 40', Add	84.55	
For Elevated Installation >40', Add	93.01	
For Work In Restricted Working Space, Add	50.73	
26 05 33 13-0913 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 749.06		110.07
For Elevated Installation >10' To 15', Add	22.02	
For Elevated Installation >15' To 20', Add	44.03	
For Elevated Installation >20' To 25', Add	55.04	
For Elevated Installation >25' To 30', Add	77.05	
For Elevated Installation >30' To 35', Add	88.06	
For Elevated Installation >35' To 40', Add	110.08	
For Elevated Installation >40', Add	121.08	
For Work In Restricted Working Space, Add	66.05	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
26 05 33 13-0914 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows (26 05 33 13-0843)				
26 05 33 13-0915	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	219.11		30.31
	For Elevated Installation >10' To 15', Add	6.06		
	For Elevated Installation >15' To 20', Add	12.12		
	For Elevated Installation >20' To 25', Add	15.16		
	For Elevated Installation >25' To 30', Add	21.22		
	For Elevated Installation >30' To 35', Add	24.25		
	For Elevated Installation >35' To 40', Add	30.31		
	For Elevated Installation >40', Add	33.34		
	For Work In Restricted Working Space, Add	18.19		
26 05 33 13-0916	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	244.42		35.10
	For Elevated Installation >10' To 15', Add	7.02		
	For Elevated Installation >15' To 20', Add	14.04		
	For Elevated Installation >20' To 25', Add	17.55		
	For Elevated Installation >25' To 30', Add	24.57		
	For Elevated Installation >30' To 35', Add	28.08		
	For Elevated Installation >35' To 40', Add	35.10		
	For Elevated Installation >40', Add	38.60		
	For Work In Restricted Working Space, Add	21.06		
26 05 33 13-0917	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	278.03		39.88
	For Elevated Installation >10' To 15', Add	7.98		
	For Elevated Installation >15' To 20', Add	15.95		
	For Elevated Installation >20' To 25', Add	19.94		
	For Elevated Installation >25' To 30', Add	27.92		
	For Elevated Installation >30' To 35', Add	31.90		
	For Elevated Installation >35' To 40', Add	39.88		
	For Elevated Installation >40', Add	43.87		
	For Work In Restricted Working Space, Add	23.93		
26 05 33 13-0918	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	343.24		43.87
	For Elevated Installation >10' To 15', Add	8.77		
	For Elevated Installation >15' To 20', Add	17.55		
	For Elevated Installation >20' To 25', Add	21.94		
	For Elevated Installation >25' To 30', Add	30.71		
	For Elevated Installation >30' To 35', Add	35.10		
	For Elevated Installation >35' To 40', Add	43.87		
	For Elevated Installation >40', Add	48.26		
	For Work In Restricted Working Space, Add	26.32		
26 05 33 13-0919	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	473.38		55.04
	For Elevated Installation >10' To 15', Add	11.01		
	For Elevated Installation >15' To 20', Add	22.01		
	For Elevated Installation >20' To 25', Add	27.52		
	For Elevated Installation >25' To 30', Add	38.52		
	For Elevated Installation >30' To 35', Add	44.03		
	For Elevated Installation >35' To 40', Add	55.04		
	For Elevated Installation >40', Add	60.54		
	For Work In Restricted Working Space, Add	33.02		
26 05 33 13-0920	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	605.30		74.97
	For Elevated Installation >10' To 15', Add	15.00		
	For Elevated Installation >15' To 20', Add	29.99		
	For Elevated Installation >20' To 25', Add	37.49		
	For Elevated Installation >25' To 30', Add	52.48		
	For Elevated Installation >30' To 35', Add	59.98		
	For Elevated Installation >35' To 40', Add	74.98		
	For Elevated Installation >40', Add	82.47		
	For Work In Restricted Working Space, Add	44.99		
26 05 33 13-0921	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	745.14		84.54
	For Elevated Installation >10' To 15', Add	16.91		
	For Elevated Installation >15' To 20', Add	33.82		
	For Elevated Installation >20' To 25', Add	42.28		
	For Elevated Installation >25' To 30', Add	59.19		
	For Elevated Installation >30' To 35', Add	67.64		
	For Elevated Installation >35' To 40', Add	84.55		
	For Elevated Installation >40', Add	93.01		
	For Work In Restricted Working Space, Add	50.73		
26 05 33 13-0922	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	830.27		110.07
	For Elevated Installation >10' To 15', Add	22.02		
	For Elevated Installation >15' To 20', Add	44.03		
	For Elevated Installation >20' To 25', Add	55.04		
	For Elevated Installation >25' To 30', Add	77.05		
	For Elevated Installation >30' To 35', Add	88.06		
	For Elevated Installation >35' To 40', Add	110.08		
	For Elevated Installation >40', Add	121.08		
	For Work In Restricted Working Space, Add	66.05		
26 05 33 13-0923	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,382.21		179.46
	For Elevated Installation >10' To 15', Add	35.89		
	For Elevated Installation >15' To 20', Add	71.79		
	For Elevated Installation >20' To 25', Add	89.73		
	For Elevated Installation >25' To 30', Add	125.63		
	For Elevated Installation >30' To 35', Add	143.57		
	For Elevated Installation >35' To 40', Add	179.47		
	For Elevated Installation >40', Add	197.41		
	For Work In Restricted Working Space, Add	107.68		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0924	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows (26 05 33 13-0843)		
26 05 33 13-0925	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	248.24	30.31
	For Elevated Installation >10' To 15', Add	6.06	
	For Elevated Installation >15' To 20', Add	12.12	
	For Elevated Installation >20' To 25', Add	15.16	
	For Elevated Installation >25' To 30', Add	21.22	
	For Elevated Installation >30' To 35', Add	24.25	
	For Elevated Installation >35' To 40', Add	30.31	
	For Elevated Installation >40', Add	33.34	
	For Work In Restricted Working Space, Add	18.19	
26 05 33 13-0926	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	275.92	35.10
	For Elevated Installation >10' To 15', Add	7.02	
	For Elevated Installation >15' To 20', Add	14.04	
	For Elevated Installation >20' To 25', Add	17.55	
	For Elevated Installation >25' To 30', Add	24.57	
	For Elevated Installation >30' To 35', Add	28.08	
	For Elevated Installation >35' To 40', Add	35.10	
	For Elevated Installation >40', Add	38.60	
	For Work In Restricted Working Space, Add	21.06	
26 05 33 13-0927	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	312.33	39.88
	For Elevated Installation >10' To 15', Add	7.98	
	For Elevated Installation >15' To 20', Add	15.95	
	For Elevated Installation >20' To 25', Add	19.94	
	For Elevated Installation >25' To 30', Add	27.92	
	For Elevated Installation >30' To 35', Add	31.90	
	For Elevated Installation >35' To 40', Add	39.88	
	For Elevated Installation >40', Add	43.87	
	For Work In Restricted Working Space, Add	23.93	
26 05 33 13-0928	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	387.44	43.87
	For Elevated Installation >10' To 15', Add	8.77	
	For Elevated Installation >15' To 20', Add	17.55	
	For Elevated Installation >20' To 25', Add	21.94	
	For Elevated Installation >25' To 30', Add	30.71	
	For Elevated Installation >30' To 35', Add	35.10	
	For Elevated Installation >35' To 40', Add	43.87	
	For Elevated Installation >40', Add	48.26	
	For Work In Restricted Working Space, Add	26.32	
26 05 33 13-0929	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	537.95	55.04
	For Elevated Installation >10' To 15', Add	11.01	
	For Elevated Installation >15' To 20', Add	22.01	
	For Elevated Installation >20' To 25', Add	27.52	
	For Elevated Installation >25' To 30', Add	38.52	
	For Elevated Installation >30' To 35', Add	44.03	
	For Elevated Installation >35' To 40', Add	55.04	
	For Elevated Installation >40', Add	60.54	
	For Work In Restricted Working Space, Add	33.02	
26 05 33 13-0930	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	685.74	74.97
	For Elevated Installation >10' To 15', Add	15.00	
	For Elevated Installation >15' To 20', Add	29.99	
	For Elevated Installation >20' To 25', Add	37.49	
	For Elevated Installation >25' To 30', Add	52.48	
	For Elevated Installation >30' To 35', Add	59.98	
	For Elevated Installation >35' To 40', Add	74.98	
	For Elevated Installation >40', Add	82.47	
	For Work In Restricted Working Space, Add	44.99	
26 05 33 13-0931	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	803.86	84.54
	For Elevated Installation >10' To 15', Add	16.91	
	For Elevated Installation >15' To 20', Add	33.82	
	For Elevated Installation >20' To 25', Add	42.28	
	For Elevated Installation >25' To 30', Add	59.19	
	For Elevated Installation >30' To 35', Add	67.64	
	For Elevated Installation >35' To 40', Add	84.55	
	For Elevated Installation >40', Add	93.01	
	For Work In Restricted Working Space, Add	50.73	
26 05 33 13-0932	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	935.12	110.07
	For Elevated Installation >10' To 15', Add	22.02	
	For Elevated Installation >15' To 20', Add	44.03	
	For Elevated Installation >20' To 25', Add	55.04	
	For Elevated Installation >25' To 30', Add	77.05	
	For Elevated Installation >30' To 35', Add	88.06	
	For Elevated Installation >35' To 40', Add	110.08	
	For Elevated Installation >40', Add	121.08	
	For Work In Restricted Working Space, Add	66.05	
26 05 33 13-0933	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,455.69	179.46
	For Elevated Installation >10' To 15', Add	35.89	
	For Elevated Installation >15' To 20', Add	71.79	
	For Elevated Installation >20' To 25', Add	89.73	
	For Elevated Installation >25' To 30', Add	125.63	
	For Elevated Installation >30' To 35', Add	143.57	
	For Elevated Installation >35' To 40', Add	179.47	
	For Elevated Installation >40', Add	197.41	
	For Work In Restricted Working Space, Add	107.68	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0934	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	2,002.52 53.92 107.84 134.80 188.72 215.68 269.60 296.56 161.76	269.60
26 05 33 13-0935		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows (26 05 33 13-0843)		
26 05 33 13-0936	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	288.80 6.06 12.12 15.16 21.22 24.25 30.31 33.34 18.19	30.31
26 05 33 13-0937	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	303.99 7.02 14.04 17.55 24.57 28.08 35.10 38.60 21.06	35.10
26 05 33 13-0938	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	358.24 7.98 15.95 19.94 27.92 31.90 39.88 43.87 23.93	39.88
26 05 33 13-0939	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	448.97 8.77 17.55 21.94 30.71 35.10 43.87 48.26 26.32	43.87
26 05 33 13-0940	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	625.01 11.01 22.01 27.52 38.52 44.03 55.04 60.54 33.02	55.04
26 05 33 13-0941	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	794.18 15.00 29.99 37.49 52.48 59.98 74.98 82.47 44.99	74.97
26 05 33 13-0942	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	967.09 16.91 33.82 42.28 59.19 67.64 84.55 93.01 50.73	84.54
26 05 33 13-0943	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,139.09 22.02 44.03 55.04 77.05 88.06 110.08 121.08 66.05	110.07

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0944 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,695.37 35.89 71.79 89.73 125.63 143.57 179.47 197.41 107.68	179.46
26 05 33 13-0945 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	2,112.54 53.92 107.84 134.80 188.72 215.68 269.60 296.56 161.76	269.60
26 05 33 13-0946 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows (26 05 33 13-0943)		
26 05 33 13-0947 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	298.57 6.06 12.12 15.16 21.22 24.25 30.31 33.34 18.19	30.31
26 05 33 13-0948 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	351.48 7.02 14.04 17.55 24.57 28.08 35.10 38.60 21.06	35.10
26 05 33 13-0949 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	397.94 7.98 15.95 19.94 27.92 31.90 39.88 43.87 23.93	39.88
26 05 33 13-0950 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	467.48 8.77 17.55 21.94 30.71 35.10 43.87 48.26 26.32	43.87
26 05 33 13-0951 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	646.76 11.01 22.01 27.52 38.52 44.03 55.04 60.54 33.02	55.04
26 05 33 13-0952 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	827.53 15.00 29.99 37.49 52.48 59.98 74.98 82.47 44.99	74.97
26 05 33 13-0953 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,055.99 16.91 33.82 42.28 59.19 67.64 84.55 93.01 50.73	84.54



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0954 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,185.35 22.02 44.03 55.04 77.05 88.06 110.08 121.08 66.05	110.07
26 05 33 13-0955 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,759.76 35.89 71.79 89.73 125.63 143.57 179.47 197.41 107.68	179.46
26 05 33 13-0956 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	2,168.44 53.92 107.84 134.80 188.72 215.68 269.60 296.56 161.76	269.60
26 05 33 13-0957 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings (26 05 33 13-0843)		
26 05 33 13-0958 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.01 3.99 7.98 9.97 13.96 15.95 19.94 21.93 11.96 11.96	19.94
26 05 33 13-0959 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.88 5.26 10.53 13.16 18.42 21.06 26.32 28.95 15.79 15.79	26.32
26 05 33 13-0960 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	183.77 6.06 12.12 15.16 21.22 24.25 30.31 33.34 18.19 18.19	30.31
26 05 33 13-0961 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	297.59 7.02 14.04 17.55 24.57 28.08 35.10 38.60 21.06 21.06	35.10
26 05 33 13-0962 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	328.91 7.98 15.95 19.94 27.92 31.90 39.88 43.87 23.93 23.93	39.88

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0963 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	413.70	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.93	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.09	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.25	
For Work In Restricted Working Space, Add	26.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33 13-0964 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,108.58	55.04
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.02	
For Elevated Installation >35' To 40', Add	55.03	
For Elevated Installation >40', Add	60.53	
For Work In Restricted Working Space, Add	33.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 05 33 13-0965 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,325.83	74.97
For Elevated Installation >10' To 15', Add	15.00	
For Elevated Installation >15' To 20', Add	29.99	
For Elevated Installation >20' To 25', Add	37.49	
For Elevated Installation >25' To 30', Add	52.49	
For Elevated Installation >30' To 35', Add	59.98	
For Elevated Installation >35' To 40', Add	74.98	
For Elevated Installation >40', Add	82.48	
For Work In Restricted Working Space, Add	44.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.99	
26 05 33 13-0966 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,764.65	110.07
For Elevated Installation >10' To 15', Add	22.01	
For Elevated Installation >15' To 20', Add	44.03	
For Elevated Installation >20' To 25', Add	55.04	
For Elevated Installation >25' To 30', Add	77.05	
For Elevated Installation >30' To 35', Add	88.06	
For Elevated Installation >35' To 40', Add	110.07	
For Elevated Installation >40', Add	121.08	
For Work In Restricted Working Space, Add	66.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.04	
26 05 33 13-0967 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings (26 05 33 13-0843)		
26 05 33 13-0968 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	108.56	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-0969 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	133.86	26.32
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.53	
For Elevated Installation >20' To 25', Add	13.16	
For Elevated Installation >25' To 30', Add	18.42	
For Elevated Installation >30' To 35', Add	21.06	
For Elevated Installation >35' To 40', Add	26.32	
For Elevated Installation >40', Add	28.95	
For Work In Restricted Working Space, Add	15.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
26 05 33 13-0970 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	183.77	30.31
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
For Work In Restricted Working Space, Add	18.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.19	
26 05 33 13-0971 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	295.00	35.10
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
For Work In Restricted Working Space, Add	21.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.06	



Electrical	26	26
Common Work Results for Electrical	26 05	
Raceway and Boxes for Electrical Systems	26 05 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0972	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	318.49	39.88
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.95	
			For Elevated Installation >20' To 25', Add	19.94	
			For Elevated Installation >25' To 30', Add	27.92	
			For Elevated Installation >30' To 35', Add	31.90	
			For Elevated Installation >35' To 40', Add	39.88	
			For Elevated Installation >40', Add	43.87	
			For Work In Restricted Working Space, Add	23.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.93	
26 05 33	13-0973	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	413.82	43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.93	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.09	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.25	
			For Work In Restricted Working Space, Add	26.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33	13-0974	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,064.11	55.04
			For Elevated Installation >10' To 15', Add	11.01	
			For Elevated Installation >15' To 20', Add	22.01	
			For Elevated Installation >20' To 25', Add	27.52	
			For Elevated Installation >25' To 30', Add	38.52	
			For Elevated Installation >30' To 35', Add	44.02	
			For Elevated Installation >35' To 40', Add	55.03	
			For Elevated Installation >40', Add	60.53	
			For Work In Restricted Working Space, Add	33.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 05 33	13-0975	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,293.38	74.97
			For Elevated Installation >10' To 15', Add	15.00	
			For Elevated Installation >15' To 20', Add	29.99	
			For Elevated Installation >20' To 25', Add	37.49	
			For Elevated Installation >25' To 30', Add	52.49	
			For Elevated Installation >30' To 35', Add	59.98	
			For Elevated Installation >35' To 40', Add	74.98	
			For Elevated Installation >40', Add	82.48	
			For Work In Restricted Working Space, Add	44.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.99	
26 05 33	13-0976	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,764.57	110.07
			For Elevated Installation >10' To 15', Add	22.01	
			For Elevated Installation >15' To 20', Add	44.03	
			For Elevated Installation >20' To 25', Add	55.04	
			For Elevated Installation >25' To 30', Add	77.05	
			For Elevated Installation >30' To 35', Add	88.06	
			For Elevated Installation >35' To 40', Add	110.07	
			For Elevated Installation >40', Add	121.08	
			For Work In Restricted Working Space, Add	66.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.04	
26 05 33	13-0977		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings (26 05 33 13-0843)		
26 05 33	13-0978	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	98.72	19.94
			For Elevated Installation >10' To 15', Add	3.99	
			For Elevated Installation >15' To 20', Add	7.98	
			For Elevated Installation >20' To 25', Add	9.97	
			For Elevated Installation >25' To 30', Add	13.96	
			For Elevated Installation >30' To 35', Add	15.95	
			For Elevated Installation >35' To 40', Add	19.94	
			For Elevated Installation >40', Add	21.93	
			For Work In Restricted Working Space, Add	11.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33	13-0979	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	118.91	26.32
			For Elevated Installation >10' To 15', Add	5.26	
			For Elevated Installation >15' To 20', Add	10.53	
			For Elevated Installation >20' To 25', Add	13.16	
			For Elevated Installation >25' To 30', Add	18.42	
			For Elevated Installation >30' To 35', Add	21.06	
			For Elevated Installation >35' To 40', Add	26.32	
			For Elevated Installation >40', Add	28.95	
			For Work In Restricted Working Space, Add	15.79	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
26 05 33	13-0980	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	140.10	30.31
			For Elevated Installation >10' To 15', Add	6.06	
			For Elevated Installation >15' To 20', Add	12.12	
			For Elevated Installation >20' To 25', Add	15.16	
			For Elevated Installation >25' To 30', Add	21.22	
			For Elevated Installation >30' To 35', Add	24.25	
			For Elevated Installation >35' To 40', Add	30.31	
			For Elevated Installation >40', Add	33.34	
			For Work In Restricted Working Space, Add	18.19	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0981	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting 196.73		35.10
			For Elevated Installation >10' To 15', Add	7.02	
			For Elevated Installation >15' To 20', Add	14.04	
			For Elevated Installation >20' To 25', Add	17.55	
			For Elevated Installation >25' To 30', Add	24.57	
			For Elevated Installation >30' To 35', Add	28.08	
			For Elevated Installation >35' To 40', Add	35.10	
			For Elevated Installation >40', Add	38.60	
			For Work In Restricted Working Space, Add	21.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.06	
26 05 33 13-0982	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting 229.48		39.88
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.95	
			For Elevated Installation >20' To 25', Add	19.94	
			For Elevated Installation >25' To 30', Add	27.92	
			For Elevated Installation >30' To 35', Add	31.90	
			For Elevated Installation >35' To 40', Add	39.88	
			For Elevated Installation >40', Add	43.87	
			For Work In Restricted Working Space, Add	23.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.93	
26 05 33 13-0983	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting 349.51		43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.93	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.09	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.25	
			For Work In Restricted Working Space, Add	26.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33 13-0984	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting 940.25		55.04
			For Elevated Installation >10' To 15', Add	11.01	
			For Elevated Installation >15' To 20', Add	22.01	
			For Elevated Installation >20' To 25', Add	27.52	
			For Elevated Installation >25' To 30', Add	38.52	
			For Elevated Installation >30' To 35', Add	44.02	
			For Elevated Installation >35' To 40', Add	55.03	
			For Elevated Installation >40', Add	60.53	
			For Work In Restricted Working Space, Add	33.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 05 33 13-0985	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting 1,062.04		74.97
			For Elevated Installation >10' To 15', Add	15.00	
			For Elevated Installation >15' To 20', Add	29.99	
			For Elevated Installation >20' To 25', Add	37.49	
			For Elevated Installation >25' To 30', Add	52.49	
			For Elevated Installation >30' To 35', Add	59.98	
			For Elevated Installation >35' To 40', Add	74.98	
			For Elevated Installation >40', Add	82.48	
			For Work In Restricted Working Space, Add	44.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.99	
26 05 33 13-0986	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting 1,360.35		110.07
			For Elevated Installation >10' To 15', Add	22.01	
			For Elevated Installation >15' To 20', Add	44.03	
			For Elevated Installation >20' To 25', Add	55.04	
			For Elevated Installation >25' To 30', Add	77.05	
			For Elevated Installation >30' To 35', Add	88.06	
			For Elevated Installation >35' To 40', Add	110.07	
			For Elevated Installation >40', Add	121.08	
			For Work In Restricted Working Space, Add	66.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.04	
26 05 33 13-0987			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings (26 05 33 13-0943)		
26 05 33 13-0988	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting 164.57		19.94
			For Elevated Installation >10' To 15', Add	3.99	
			For Elevated Installation >15' To 20', Add	7.98	
			For Elevated Installation >20' To 25', Add	9.97	
			For Elevated Installation >25' To 30', Add	13.96	
			For Elevated Installation >30' To 35', Add	15.95	
			For Elevated Installation >35' To 40', Add	19.94	
			For Elevated Installation >40', Add	21.93	
			For Work In Restricted Working Space, Add	11.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-0989	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting 246.97		26.32
			For Elevated Installation >10' To 15', Add	5.26	
			For Elevated Installation >15' To 20', Add	10.53	
			For Elevated Installation >20' To 25', Add	13.16	
			For Elevated Installation >25' To 30', Add	18.42	
			For Elevated Installation >30' To 35', Add	21.06	
			For Elevated Installation >35' To 40', Add	26.32	
			For Elevated Installation >40', Add	28.95	
			For Work In Restricted Working Space, Add	15.79	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0990	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	309.69	30.31
			For Elevated Installation >10' To 15', Add	6.06	
			For Elevated Installation >15' To 20', Add	12.12	
			For Elevated Installation >20' To 25', Add	15.16	
			For Elevated Installation >25' To 30', Add	21.22	
			For Elevated Installation >30' To 35', Add	24.25	
			For Elevated Installation >35' To 40', Add	30.31	
			For Elevated Installation >40', Add	33.34	
			For Work In Restricted Working Space, Add	18.19	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.19	
26 05 33 13-0991	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	357.51	35.10
			For Elevated Installation >10' To 15', Add	7.02	
			For Elevated Installation >15' To 20', Add	14.04	
			For Elevated Installation >20' To 25', Add	17.55	
			For Elevated Installation >25' To 30', Add	24.57	
			For Elevated Installation >30' To 35', Add	28.08	
			For Elevated Installation >35' To 40', Add	35.10	
			For Elevated Installation >40', Add	38.60	
			For Work In Restricted Working Space, Add	21.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.06	
26 05 33 13-0992	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	406.03	39.88
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.95	
			For Elevated Installation >20' To 25', Add	19.94	
			For Elevated Installation >25' To 30', Add	27.92	
			For Elevated Installation >30' To 35', Add	31.90	
			For Elevated Installation >35' To 40', Add	39.88	
			For Elevated Installation >40', Add	43.87	
			For Work In Restricted Working Space, Add	23.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.93	
26 05 33 13-0993	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	531.88	43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.93	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.09	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.25	
			For Work In Restricted Working Space, Add	26.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33 13-0994	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,649.97	55.04
			For Elevated Installation >10' To 15', Add	11.01	
			For Elevated Installation >15' To 20', Add	22.01	
			For Elevated Installation >20' To 25', Add	27.52	
			For Elevated Installation >25' To 30', Add	38.52	
			For Elevated Installation >30' To 35', Add	44.02	
			For Elevated Installation >35' To 40', Add	55.03	
			For Elevated Installation >40', Add	60.53	
			For Work In Restricted Working Space, Add	33.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 05 33 13-0995	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,929.63	74.97
			For Elevated Installation >10' To 15', Add	15.00	
			For Elevated Installation >15' To 20', Add	29.99	
			For Elevated Installation >20' To 25', Add	37.49	
			For Elevated Installation >25' To 30', Add	52.49	
			For Elevated Installation >30' To 35', Add	59.98	
			For Elevated Installation >35' To 40', Add	74.98	
			For Elevated Installation >40', Add	82.48	
			For Work In Restricted Working Space, Add	44.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.99	
26 05 33 13-0996	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	2,377.63	110.07
			For Elevated Installation >10' To 15', Add	22.01	
			For Elevated Installation >15' To 20', Add	44.03	
			For Elevated Installation >20' To 25', Add	55.04	
			For Elevated Installation >25' To 30', Add	77.05	
			For Elevated Installation >30' To 35', Add	88.06	
			For Elevated Installation >35' To 40', Add	110.07	
			For Elevated Installation >40', Add	121.08	
			For Work In Restricted Working Space, Add	66.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.04	

26 05 33 13-0997 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel
(RGS) 90 Degree Grounded Sealtight Fittings (26 05 33 13-0843)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0998	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded			
		Sealtight Fitting.....		182.05	19.94
		For Elevated Installation >10' To 15', Add		3.99	
		For Elevated Installation >15' To 20', Add		7.98	
		For Elevated Installation >20' To 25', Add		9.97	
		For Elevated Installation >25' To 30', Add		13.96	
		For Elevated Installation >30' To 35', Add		15.95	
		For Elevated Installation >35' To 40', Add		19.94	
		For Elevated Installation >40', Add		21.93	
		For Work In Restricted Working Space, Add		11.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		11.96	
26 05 33 13-0999	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded			
		Sealtight Fitting.....		263.46	26.32
		For Elevated Installation >10' To 15', Add		5.26	
		For Elevated Installation >15' To 20', Add		10.53	
		For Elevated Installation >20' To 25', Add		13.16	
		For Elevated Installation >25' To 30', Add		18.42	
		For Elevated Installation >30' To 35', Add		21.06	
		For Elevated Installation >35' To 40', Add		26.32	
		For Elevated Installation >40', Add		28.95	
		For Work In Restricted Working Space, Add		15.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		15.79	
26 05 33 13-1000	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded			
		Sealtight Fitting.....		312.83	30.31
		For Elevated Installation >10' To 15', Add		6.06	
		For Elevated Installation >15' To 20', Add		12.12	
		For Elevated Installation >20' To 25', Add		15.16	
		For Elevated Installation >25' To 30', Add		21.22	
		For Elevated Installation >30' To 35', Add		24.25	
		For Elevated Installation >35' To 40', Add		30.31	
		For Elevated Installation >40', Add		33.34	
		For Work In Restricted Working Space, Add		18.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		18.19	
26 05 33 13-1001	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded			
		Sealtight Fitting.....		362.68	35.10
		For Elevated Installation >10' To 15', Add		7.02	
		For Elevated Installation >15' To 20', Add		14.04	
		For Elevated Installation >20' To 25', Add		17.55	
		For Elevated Installation >25' To 30', Add		24.57	
		For Elevated Installation >30' To 35', Add		28.08	
		For Elevated Installation >35' To 40', Add		35.10	
		For Elevated Installation >40', Add		38.60	
		For Work In Restricted Working Space, Add		21.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		21.06	
26 05 33 13-1002	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded			
		Sealtight Fitting.....		420.22	39.88
		For Elevated Installation >10' To 15', Add		7.98	
		For Elevated Installation >15' To 20', Add		15.95	
		For Elevated Installation >20' To 25', Add		19.94	
		For Elevated Installation >25' To 30', Add		27.92	
		For Elevated Installation >30' To 35', Add		31.90	
		For Elevated Installation >35' To 40', Add		39.88	
		For Elevated Installation >40', Add		43.87	
		For Work In Restricted Working Space, Add		23.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		23.93	
26 05 33 13-1003	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded			
		Sealtight Fitting.....		656.59	43.87
		For Elevated Installation >10' To 15', Add		8.77	
		For Elevated Installation >15' To 20', Add		17.55	
		For Elevated Installation >20' To 25', Add		21.93	
		For Elevated Installation >25' To 30', Add		30.71	
		For Elevated Installation >30' To 35', Add		35.09	
		For Elevated Installation >35' To 40', Add		43.87	
		For Elevated Installation >40', Add		48.25	
		For Work In Restricted Working Space, Add		26.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		26.32	
26 05 33 13-1004	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded			
		Sealtight Fitting.....		1,838.14	55.04
		For Elevated Installation >10' To 15', Add		11.01	
		For Elevated Installation >15' To 20', Add		22.01	
		For Elevated Installation >20' To 25', Add		27.52	
		For Elevated Installation >25' To 30', Add		38.52	
		For Elevated Installation >30' To 35', Add		44.02	
		For Elevated Installation >35' To 40', Add		55.03	
		For Elevated Installation >40', Add		60.53	
		For Work In Restricted Working Space, Add		33.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		33.02	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,586.58	74.97
		For Elevated Installation >10' To 15', Add	15.00	
		For Elevated Installation >15' To 20', Add	29.99	
		For Elevated Installation >20' To 25', Add	37.49	
		For Elevated Installation >25' To 30', Add	52.49	
		For Elevated Installation >30' To 35', Add	59.98	
		For Elevated Installation >35' To 40', Add	74.98	
		For Elevated Installation >40', Add	82.48	
		For Work In Restricted Working Space, Add	44.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.99	
26 05 33 13-1006	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,710.20	110.07
		For Elevated Installation >10' To 15', Add	22.01	
		For Elevated Installation >15' To 20', Add	44.03	
		For Elevated Installation >20' To 25', Add	55.04	
		For Elevated Installation >25' To 30', Add	77.05	
		For Elevated Installation >30' To 35', Add	88.06	
		For Elevated Installation >35' To 40', Add	110.07	
		For Elevated Installation >40', Add	121.08	
		For Work In Restricted Working Space, Add	66.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.04	
26 05 33 13-1007 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings (26 05 33 13-0843)				
26 05 33 13-1008	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	145.30	19.94
		For Elevated Installation >10' To 15', Add	3.99	
		For Elevated Installation >15' To 20', Add	7.98	
		For Elevated Installation >20' To 25', Add	9.97	
		For Elevated Installation >25' To 30', Add	13.96	
		For Elevated Installation >30' To 35', Add	15.95	
		For Elevated Installation >35' To 40', Add	19.94	
		For Elevated Installation >40', Add	21.93	
		For Work In Restricted Working Space, Add	11.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-1009	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	183.68	26.32
		For Elevated Installation >10' To 15', Add	5.26	
		For Elevated Installation >15' To 20', Add	10.53	
		For Elevated Installation >20' To 25', Add	13.16	
		For Elevated Installation >25' To 30', Add	18.42	
		For Elevated Installation >30' To 35', Add	21.06	
		For Elevated Installation >35' To 40', Add	26.32	
		For Elevated Installation >40', Add	28.95	
		For Work In Restricted Working Space, Add	15.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.79	
26 05 33 13-1010	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	219.71	30.31
		For Elevated Installation >10' To 15', Add	6.06	
		For Elevated Installation >15' To 20', Add	12.12	
		For Elevated Installation >20' To 25', Add	15.16	
		For Elevated Installation >25' To 30', Add	21.22	
		For Elevated Installation >30' To 35', Add	24.25	
		For Elevated Installation >35' To 40', Add	30.31	
		For Elevated Installation >40', Add	33.34	
		For Work In Restricted Working Space, Add	18.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.19	
26 05 33 13-1011	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	243.90	35.10
		For Elevated Installation >10' To 15', Add	7.02	
		For Elevated Installation >15' To 20', Add	14.04	
		For Elevated Installation >20' To 25', Add	17.55	
		For Elevated Installation >25' To 30', Add	24.57	
		For Elevated Installation >30' To 35', Add	28.08	
		For Elevated Installation >35' To 40', Add	35.10	
		For Elevated Installation >40', Add	38.60	
		For Work In Restricted Working Space, Add	21.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.06	
26 05 33 13-1012	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	326.30	39.88
		For Elevated Installation >10' To 15', Add	7.98	
		For Elevated Installation >15' To 20', Add	15.95	
		For Elevated Installation >20' To 25', Add	19.94	
		For Elevated Installation >25' To 30', Add	27.92	
		For Elevated Installation >30' To 35', Add	31.90	
		For Elevated Installation >35' To 40', Add	39.88	
		For Elevated Installation >40', Add	43.87	
		For Work In Restricted Working Space, Add	23.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.93	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1013	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	.....	457.55	43.87
		For Elevated Installation >10' To 15', Add	.....	8.77	
		For Elevated Installation >15' To 20', Add	.....	17.55	
		For Elevated Installation >20' To 25', Add	.....	21.93	
		For Elevated Installation >25' To 30', Add	.....	30.71	
		For Elevated Installation >30' To 35', Add	.....	35.09	
		For Elevated Installation >35' To 40', Add	.....	43.87	
		For Elevated Installation >40', Add	.....	48.25	
		For Work In Restricted Working Space, Add	.....	26.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	26.32	
26 05 33 13-1014	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	.....	1,494.12	55.04
		For Elevated Installation >10' To 15', Add	.....	11.01	
		For Elevated Installation >15' To 20', Add	.....	22.01	
		For Elevated Installation >20' To 25', Add	.....	27.52	
		For Elevated Installation >25' To 30', Add	.....	38.52	
		For Elevated Installation >30' To 35', Add	.....	44.02	
		For Elevated Installation >35' To 40', Add	.....	55.03	
		For Elevated Installation >40', Add	.....	60.53	
		For Work In Restricted Working Space, Add	.....	33.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	33.02	
26 05 33 13-1015	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	.....	1,685.93	74.97
		For Elevated Installation >10' To 15', Add	.....	15.00	
		For Elevated Installation >15' To 20', Add	.....	29.99	
		For Elevated Installation >20' To 25', Add	.....	37.49	
		For Elevated Installation >25' To 30', Add	.....	52.49	
		For Elevated Installation >30' To 35', Add	.....	59.98	
		For Elevated Installation >35' To 40', Add	.....	74.98	
		For Elevated Installation >40', Add	.....	82.48	
		For Work In Restricted Working Space, Add	.....	44.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	44.99	
26 05 33 13-1016	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	.....	2,009.67	110.07
		For Elevated Installation >10' To 15', Add	.....	22.01	
		For Elevated Installation >15' To 20', Add	.....	44.03	
		For Elevated Installation >20' To 25', Add	.....	55.04	
		For Elevated Installation >25' To 30', Add	.....	77.05	
		For Elevated Installation >30' To 35', Add	.....	88.06	
		For Elevated Installation >35' To 40', Add	.....	110.07	
		For Elevated Installation >40', Add	.....	121.08	
		For Work In Restricted Working Space, Add	.....	66.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	66.04	
26 05 33 13-1017		Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0843)			
		Note: Suitable for use in hazardous locations. Class I, Div 2.			
26 05 33 13-1018	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	.....	137.48	38.29
		For Elevated Installation >10' To 15', Add	.....	7.66	
		For Elevated Installation >15' To 20', Add	.....	15.32	
		For Elevated Installation >20' To 25', Add	.....	19.15	
		For Elevated Installation >25' To 30', Add	.....	26.80	
		For Elevated Installation >30' To 35', Add	.....	30.63	
		For Elevated Installation >35' To 40', Add	.....	38.29	
		For Elevated Installation >40', Add	.....	42.12	
		For Work In Restricted Working Space, Add	.....	22.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	22.97	
26 05 33 13-1019	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	.....	155.26	43.87
		For Elevated Installation >10' To 15', Add	.....	8.77	
		For Elevated Installation >15' To 20', Add	.....	17.55	
		For Elevated Installation >20' To 25', Add	.....	21.93	
		For Elevated Installation >25' To 30', Add	.....	30.71	
		For Elevated Installation >30' To 35', Add	.....	35.09	
		For Elevated Installation >35' To 40', Add	.....	43.87	
		For Elevated Installation >40', Add	.....	48.25	
		For Work In Restricted Working Space, Add	.....	26.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	26.32	
26 05 33 13-1020	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	.....	190.86	50.26
		For Elevated Installation >10' To 15', Add	.....	10.05	
		For Elevated Installation >15' To 20', Add	.....	20.10	
		For Elevated Installation >20' To 25', Add	.....	25.13	
		For Elevated Installation >25' To 30', Add	.....	35.18	
		For Elevated Installation >30' To 35', Add	.....	40.20	
		For Elevated Installation >35' To 40', Add	.....	50.25	
		For Elevated Installation >40', Add	.....	55.28	
		For Work In Restricted Working Space, Add	.....	30.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	30.15	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1021	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	247.62	58.22
		For Elevated Installation >10' To 15', Add	11.65	
		For Elevated Installation >15' To 20', Add	23.29	
		For Elevated Installation >20' To 25', Add	29.11	
		For Elevated Installation >25' To 30', Add	40.76	
		For Elevated Installation >30' To 35', Add	46.58	
		For Elevated Installation >35' To 40', Add	58.23	
		For Elevated Installation >40', Add	64.05	
		For Work In Restricted Working Space, Add	34.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.94	
26 05 33 13-1022	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	287.79	63.81
		For Elevated Installation >10' To 15', Add	12.76	
		For Elevated Installation >15' To 20', Add	25.52	
		For Elevated Installation >20' To 25', Add	31.91	
		For Elevated Installation >25' To 30', Add	44.67	
		For Elevated Installation >30' To 35', Add	51.05	
		For Elevated Installation >35' To 40', Add	63.81	
		For Elevated Installation >40', Add	70.19	
		For Work In Restricted Working Space, Add	38.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.29	
26 05 33 13-1023	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	389.29	76.58
		For Elevated Installation >10' To 15', Add	15.32	
		For Elevated Installation >15' To 20', Add	30.63	
		For Elevated Installation >20' To 25', Add	38.29	
		For Elevated Installation >25' To 30', Add	53.60	
		For Elevated Installation >30' To 35', Add	61.26	
		For Elevated Installation >35' To 40', Add	76.58	
		For Elevated Installation >40', Add	84.23	
		For Work In Restricted Working Space, Add	45.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.95	
26 05 33 13-1024	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	648.71	107.68
		For Elevated Installation >10' To 15', Add	21.54	
		For Elevated Installation >15' To 20', Add	43.07	
		For Elevated Installation >20' To 25', Add	53.84	
		For Elevated Installation >25' To 30', Add	75.38	
		For Elevated Installation >30' To 35', Add	86.14	
		For Elevated Installation >35' To 40', Add	107.68	
		For Elevated Installation >40', Add	118.45	
		For Work In Restricted Working Space, Add	64.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.61	
26 05 33 13-1025	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	832.29	143.57
		For Elevated Installation >10' To 15', Add	28.72	
		For Elevated Installation >15' To 20', Add	57.43	
		For Elevated Installation >20' To 25', Add	71.79	
		For Elevated Installation >25' To 30', Add	100.51	
		For Elevated Installation >30' To 35', Add	114.86	
		For Elevated Installation >35' To 40', Add	143.58	
		For Elevated Installation >40', Add	157.94	
		For Work In Restricted Working Space, Add	86.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.15	
26 05 33 13-1026	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,150.95	179.46
		For Elevated Installation >10' To 15', Add	35.89	
		For Elevated Installation >15' To 20', Add	71.79	
		For Elevated Installation >20' To 25', Add	89.73	
		For Elevated Installation >25' To 30', Add	125.63	
		For Elevated Installation >30' To 35', Add	143.57	
		For Elevated Installation >35' To 40', Add	179.47	
		For Elevated Installation >40', Add	197.41	
		For Work In Restricted Working Space, Add	107.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.68	
26 05 33 13-1027	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,324.90	218.55
		For Elevated Installation >10' To 15', Add	43.71	
		For Elevated Installation >15' To 20', Add	87.42	
		For Elevated Installation >20' To 25', Add	109.28	
		For Elevated Installation >25' To 30', Add	152.99	
		For Elevated Installation >30' To 35', Add	174.84	
		For Elevated Installation >35' To 40', Add	218.55	
		For Elevated Installation >40', Add	240.41	
		For Work In Restricted Working Space, Add	131.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.13	

26 05 33 13-1028 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0843)

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1029 EA 1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 179.68		50.26
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.13	
For Elevated Installation >25' To 30', Add	35.18	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.28	
For Work In Restricted Working Space, Add	30.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	
26 05 33 13-1030 EA 3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 204.39		55.84
For Elevated Installation >10' To 15', Add	11.17	
For Elevated Installation >15' To 20', Add	22.33	
For Elevated Installation >20' To 25', Add	27.92	
For Elevated Installation >25' To 30', Add	39.08	
For Elevated Installation >30' To 35', Add	44.67	
For Elevated Installation >35' To 40', Add	55.84	
For Elevated Installation >40', Add	61.42	
For Work In Restricted Working Space, Add	33.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.50	
26 05 33 13-1031 EA 1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 247.72		61.42
For Elevated Installation >10' To 15', Add	12.28	
For Elevated Installation >15' To 20', Add	24.57	
For Elevated Installation >20' To 25', Add	30.71	
For Elevated Installation >25' To 30', Add	42.99	
For Elevated Installation >30' To 35', Add	49.13	
For Elevated Installation >35' To 40', Add	61.42	
For Elevated Installation >40', Add	67.56	
For Work In Restricted Working Space, Add	36.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.85	
26 05 33 13-1032 EA 1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 329.61		70.19
For Elevated Installation >10' To 15', Add	14.04	
For Elevated Installation >15' To 20', Add	28.08	
For Elevated Installation >20' To 25', Add	35.10	
For Elevated Installation >25' To 30', Add	49.13	
For Elevated Installation >30' To 35', Add	56.15	
For Elevated Installation >35' To 40', Add	70.19	
For Elevated Installation >40', Add	77.21	
For Work In Restricted Working Space, Add	42.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.11	
26 05 33 13-1033 EA 1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 387.70		76.58
For Elevated Installation >10' To 15', Add	15.31	
For Elevated Installation >15' To 20', Add	30.63	
For Elevated Installation >20' To 25', Add	38.29	
For Elevated Installation >25' To 30', Add	53.60	
For Elevated Installation >30' To 35', Add	61.26	
For Elevated Installation >35' To 40', Add	76.57	
For Elevated Installation >40', Add	84.23	
For Work In Restricted Working Space, Add	45.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.94	
26 05 33 13-1034 EA 2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 525.16		94.12
For Elevated Installation >10' To 15', Add	18.82	
For Elevated Installation >15' To 20', Add	37.65	
For Elevated Installation >20' To 25', Add	47.06	
For Elevated Installation >25' To 30', Add	65.88	
For Elevated Installation >30' To 35', Add	75.30	
For Elevated Installation >35' To 40', Add	94.12	
For Elevated Installation >40', Add	103.53	
For Work In Restricted Working Space, Add	56.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.47	
26 05 33 13-1035 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0843)		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1036 EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 158.03		43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33 13-1037 EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 180.60		51.05
For Elevated Installation >10' To 15', Add	10.21	
For Elevated Installation >15' To 20', Add	20.42	
For Elevated Installation >20' To 25', Add	25.53	
For Elevated Installation >25' To 30', Add	35.74	
For Elevated Installation >30' To 35', Add	40.84	
For Elevated Installation >35' To 40', Add	51.05	
For Elevated Installation >40', Add	56.16	
For Work In Restricted Working Space, Add	30.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.63	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1038	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	216.84	55.84
		For Elevated Installation >10' To 15', Add	11.17	
		For Elevated Installation >15' To 20', Add	22.33	
		For Elevated Installation >20' To 25', Add	27.92	
		For Elevated Installation >25' To 30', Add	39.08	
		For Elevated Installation >30' To 35', Add	44.67	
		For Elevated Installation >35' To 40', Add	55.84	
		For Elevated Installation >40', Add	61.42	
		For Work In Restricted Working Space, Add	33.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.50	
26 05 33 13-1039	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	275.69	63.81
		For Elevated Installation >10' To 15', Add	12.76	
		For Elevated Installation >15' To 20', Add	25.52	
		For Elevated Installation >20' To 25', Add	31.91	
		For Elevated Installation >25' To 30', Add	44.67	
		For Elevated Installation >30' To 35', Add	51.05	
		For Elevated Installation >35' To 40', Add	63.81	
		For Elevated Installation >40', Add	70.19	
		For Work In Restricted Working Space, Add	38.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.29	
26 05 33 13-1040	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	325.29	70.19
		For Elevated Installation >10' To 15', Add	14.04	
		For Elevated Installation >15' To 20', Add	28.08	
		For Elevated Installation >20' To 25', Add	35.10	
		For Elevated Installation >25' To 30', Add	49.13	
		For Elevated Installation >30' To 35', Add	56.15	
		For Elevated Installation >35' To 40', Add	70.19	
		For Elevated Installation >40', Add	77.21	
		For Work In Restricted Working Space, Add	42.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.11	
26 05 33 13-1041	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	432.82	82.16
		For Elevated Installation >10' To 15', Add	16.43	
		For Elevated Installation >15' To 20', Add	32.86	
		For Elevated Installation >20' To 25', Add	41.08	
		For Elevated Installation >25' To 30', Add	57.51	
		For Elevated Installation >30' To 35', Add	65.72	
		For Elevated Installation >35' To 40', Add	82.16	
		For Elevated Installation >40', Add	90.37	
		For Work In Restricted Working Space, Add	49.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.29	
26 05 33 13-1042	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	692.86	119.64
		For Elevated Installation >10' To 15', Add	23.93	
		For Elevated Installation >15' To 20', Add	47.86	
		For Elevated Installation >20' To 25', Add	59.82	
		For Elevated Installation >25' To 30', Add	83.75	
		For Elevated Installation >30' To 35', Add	95.72	
		For Elevated Installation >35' To 40', Add	119.65	
		For Elevated Installation >40', Add	131.61	
		For Work In Restricted Working Space, Add	71.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.79	
26 05 33 13-1043	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	916.31	155.54
		For Elevated Installation >10' To 15', Add	31.11	
		For Elevated Installation >15' To 20', Add	62.21	
		For Elevated Installation >20' To 25', Add	77.77	
		For Elevated Installation >25' To 30', Add	108.87	
		For Elevated Installation >30' To 35', Add	124.42	
		For Elevated Installation >35' To 40', Add	155.53	
		For Elevated Installation >40', Add	171.08	
		For Work In Restricted Working Space, Add	93.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.32	
26 05 33 13-1044	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,252.80	191.43
		For Elevated Installation >10' To 15', Add	38.29	
		For Elevated Installation >15' To 20', Add	76.57	
		For Elevated Installation >20' To 25', Add	95.72	
		For Elevated Installation >25' To 30', Add	134.00	
		For Elevated Installation >30' To 35', Add	153.14	
		For Elevated Installation >35' To 40', Add	191.43	
		For Elevated Installation >40', Add	210.57	
		For Work In Restricted Working Space, Add	114.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.86	
26 05 33 13-1045	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,404.83	230.51
		For Elevated Installation >10' To 15', Add	46.11	
		For Elevated Installation >15' To 20', Add	92.21	
		For Elevated Installation >20' To 25', Add	115.26	
		For Elevated Installation >25' To 30', Add	161.37	
		For Elevated Installation >30' To 35', Add	184.42	
		For Elevated Installation >35' To 40', Add	230.53	
		For Elevated Installation >40', Add	253.58	
		For Work In Restricted Working Space, Add	138.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.32	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1046	Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined (26 05 33 13-0843)		
26 05 33 13-1047	EA 1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	31.17	4.78
	For Elevated Installation >10' To 15', Add	0.96	
	For Elevated Installation >15' To 20', Add	1.91	
	For Elevated Installation >20' To 25', Add	2.39	
	For Elevated Installation >25' To 30', Add	3.35	
	For Elevated Installation >30' To 35', Add	3.83	
	For Elevated Installation >35' To 40', Add	4.79	
	For Elevated Installation >40', Add	5.26	
	For Work In Restricted Working Space, Add	2.87	
26 05 33 13-1048	EA 3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	35.03	5.58
	For Elevated Installation >10' To 15', Add	1.12	
	For Elevated Installation >15' To 20', Add	2.23	
	For Elevated Installation >20' To 25', Add	2.79	
	For Elevated Installation >25' To 30', Add	3.91	
	For Elevated Installation >30' To 35', Add	4.47	
	For Elevated Installation >35' To 40', Add	5.59	
	For Elevated Installation >40', Add	6.14	
	For Work In Restricted Working Space, Add	3.35	
26 05 33 13-1049	EA 1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	45.64	7.18
	For Elevated Installation >10' To 15', Add	1.44	
	For Elevated Installation >15' To 20', Add	2.87	
	For Elevated Installation >20' To 25', Add	3.59	
	For Elevated Installation >25' To 30', Add	5.02	
	For Elevated Installation >30' To 35', Add	5.74	
	For Elevated Installation >35' To 40', Add	7.18	
	For Elevated Installation >40', Add	7.89	
	For Work In Restricted Working Space, Add	4.31	
26 05 33 13-1050	EA 1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	58.58	8.77
	For Elevated Installation >10' To 15', Add	1.76	
	For Elevated Installation >15' To 20', Add	3.51	
	For Elevated Installation >20' To 25', Add	4.39	
	For Elevated Installation >25' To 30', Add	6.14	
	For Elevated Installation >30' To 35', Add	7.02	
	For Elevated Installation >35' To 40', Add	8.78	
	For Elevated Installation >40', Add	9.65	
	For Work In Restricted Working Space, Add	5.27	
26 05 33 13-1051	EA 1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	65.74	10.37
	For Elevated Installation >10' To 15', Add	2.07	
	For Elevated Installation >15' To 20', Add	4.15	
	For Elevated Installation >20' To 25', Add	5.19	
	For Elevated Installation >25' To 30', Add	7.26	
	For Elevated Installation >30' To 35', Add	8.30	
	For Elevated Installation >35' To 40', Add	10.37	
	For Elevated Installation >40', Add	11.41	
	For Work In Restricted Working Space, Add	6.22	
26 05 33 13-1052	EA 2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	81.13	11.97
	For Elevated Installation >10' To 15', Add	2.39	
	For Elevated Installation >15' To 20', Add	4.78	
	For Elevated Installation >20' To 25', Add	5.98	
	For Elevated Installation >25' To 30', Add	8.37	
	For Elevated Installation >30' To 35', Add	9.57	
	For Elevated Installation >35' To 40', Add	11.96	
	For Elevated Installation >40', Add	13.16	
	For Work In Restricted Working Space, Add	7.18	
26 05 33 13-1053	EA 2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	104.47	13.56
	For Elevated Installation >10' To 15', Add	2.71	
	For Elevated Installation >15' To 20', Add	5.42	
	For Elevated Installation >20' To 25', Add	6.78	
	For Elevated Installation >25' To 30', Add	9.49	
	For Elevated Installation >30' To 35', Add	10.85	
	For Elevated Installation >35' To 40', Add	13.56	
	For Elevated Installation >40', Add	14.92	
	For Work In Restricted Working Space, Add	8.14	
26 05 33 13-1054	EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	115.64	19.14
	For Elevated Installation >10' To 15', Add	3.83	
	For Elevated Installation >15' To 20', Add	7.66	
	For Elevated Installation >20' To 25', Add	9.57	
	For Elevated Installation >25' To 30', Add	13.40	
	For Elevated Installation >30' To 35', Add	15.32	
	For Elevated Installation >35' To 40', Add	19.15	
	For Elevated Installation >40', Add	21.06	
	For Work In Restricted Working Space, Add	11.49	
26 05 33 13-1055	EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	140.06	21.54
	For Elevated Installation >10' To 15', Add	4.31	
	For Elevated Installation >15' To 20', Add	8.61	
	For Elevated Installation >20' To 25', Add	10.77	
	For Elevated Installation >25' To 30', Add	15.07	
	For Elevated Installation >30' To 35', Add	17.23	
	For Elevated Installation >35' To 40', Add	21.54	
	For Elevated Installation >40', Add	23.69	
	For Work In Restricted Working Space, Add	12.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1056	EA		4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	151.22	27.12
			For Elevated Installation >10' To 15', Add	5.42	
			For Elevated Installation >15' To 20', Add	10.85	
			For Elevated Installation >20' To 25', Add	13.56	
			For Elevated Installation >25' To 30', Add	18.98	
			For Elevated Installation >30' To 35', Add	21.69	
			For Elevated Installation >35' To 40', Add	27.12	
			For Elevated Installation >40', Add	29.83	
			For Work In Restricted Working Space, Add	16.27	
26 05 33 13-1057			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies (26 05 33 13-0843)		
26 05 33 13-1058	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	153.85	38.29
			For Elevated Installation >10' To 15', Add	7.66	
			For Elevated Installation >15' To 20', Add	15.32	
			For Elevated Installation >20' To 25', Add	19.15	
			For Elevated Installation >25' To 30', Add	26.80	
			For Elevated Installation >30' To 35', Add	30.63	
			For Elevated Installation >35' To 40', Add	38.29	
			For Elevated Installation >40', Add	42.12	
			For Work In Restricted Working Space, Add	22.97	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.97	
26 05 33 13-1059	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	170.84	43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.94	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.10	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.26	
			For Work In Restricted Working Space, Add	26.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33 13-1060	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	199.22	50.26
			For Elevated Installation >10' To 15', Add	10.05	
			For Elevated Installation >15' To 20', Add	20.10	
			For Elevated Installation >20' To 25', Add	25.13	
			For Elevated Installation >25' To 30', Add	35.18	
			For Elevated Installation >30' To 35', Add	40.20	
			For Elevated Installation >35' To 40', Add	50.25	
			For Elevated Installation >40', Add	55.28	
			For Work In Restricted Working Space, Add	30.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	
26 05 33 13-1061	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	236.02	58.22
			For Elevated Installation >10' To 15', Add	11.65	
			For Elevated Installation >15' To 20', Add	23.29	
			For Elevated Installation >20' To 25', Add	29.12	
			For Elevated Installation >25' To 30', Add	40.76	
			For Elevated Installation >30' To 35', Add	46.58	
			For Elevated Installation >35' To 40', Add	58.23	
			For Elevated Installation >40', Add	64.05	
			For Work In Restricted Working Space, Add	34.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.94	
26 05 33 13-1062	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	291.06	63.81
			For Elevated Installation >10' To 15', Add	12.76	
			For Elevated Installation >15' To 20', Add	25.52	
			For Elevated Installation >20' To 25', Add	31.91	
			For Elevated Installation >25' To 30', Add	44.67	
			For Elevated Installation >30' To 35', Add	51.05	
			For Elevated Installation >35' To 40', Add	63.81	
			For Elevated Installation >40', Add	70.19	
			For Work In Restricted Working Space, Add	38.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.29	
26 05 33 13-1063	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	352.49	76.58
			For Elevated Installation >10' To 15', Add	15.31	
			For Elevated Installation >15' To 20', Add	30.63	
			For Elevated Installation >20' To 25', Add	38.29	
			For Elevated Installation >25' To 30', Add	53.60	
			For Elevated Installation >30' To 35', Add	61.26	
			For Elevated Installation >35' To 40', Add	76.57	
			For Elevated Installation >40', Add	84.23	
			For Work In Restricted Working Space, Add	45.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.94	
26 05 33 13-1064	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	509.46	107.68
			For Elevated Installation >10' To 15', Add	21.54	
			For Elevated Installation >15' To 20', Add	43.07	
			For Elevated Installation >20' To 25', Add	53.84	
			For Elevated Installation >25' To 30', Add	75.38	
			For Elevated Installation >30' To 35', Add	86.14	
			For Elevated Installation >35' To 40', Add	107.68	
			For Elevated Installation >40', Add	118.45	
			For Work In Restricted Working Space, Add	64.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.61	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1065 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	654.98	143.57
For Elevated Installation >10' To 15', Add	28.72	
For Elevated Installation >15' To 20', Add	57.43	
For Elevated Installation >20' To 25', Add	71.79	
For Elevated Installation >25' To 30', Add	100.50	
For Elevated Installation >30' To 35', Add	114.86	
For Elevated Installation >35' To 40', Add	143.58	
For Elevated Installation >40', Add	157.93	
For Work In Restricted Working Space, Add	86.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.15	
26 05 33 13-1066 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,276.51	179.46
For Elevated Installation >10' To 15', Add	35.89	
For Elevated Installation >15' To 20', Add	71.79	
For Elevated Installation >20' To 25', Add	89.73	
For Elevated Installation >25' To 30', Add	125.63	
For Elevated Installation >30' To 35', Add	143.57	
For Elevated Installation >35' To 40', Add	179.47	
For Elevated Installation >40', Add	197.41	
For Work In Restricted Working Space, Add	107.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.68	
26 05 33 13-1067 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,855.49	218.55
For Elevated Installation >10' To 15', Add	43.71	
For Elevated Installation >15' To 20', Add	87.42	
For Elevated Installation >20' To 25', Add	109.28	
For Elevated Installation >25' To 30', Add	152.99	
For Elevated Installation >30' To 35', Add	174.84	
For Elevated Installation >35' To 40', Add	218.55	
For Elevated Installation >40', Add	240.41	
For Work In Restricted Working Space, Add	131.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.13	
26 05 33 13-1068 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies (26 05 33 13-0843)		
26 05 33 13-1069 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	254.43	38.29
For Elevated Installation >10' To 15', Add	7.66	
For Elevated Installation >15' To 20', Add	15.32	
For Elevated Installation >20' To 25', Add	19.15	
For Elevated Installation >25' To 30', Add	26.80	
For Elevated Installation >30' To 35', Add	30.63	
For Elevated Installation >35' To 40', Add	38.29	
For Elevated Installation >40', Add	42.12	
For Work In Restricted Working Space, Add	22.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.97	
26 05 33 13-1070 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	274.83	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33 13-1071 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	313.89	50.26
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.13	
For Elevated Installation >25' To 30', Add	35.18	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.28	
For Work In Restricted Working Space, Add	30.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	
26 05 33 13-1072 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	352.00	58.22
For Elevated Installation >10' To 15', Add	11.65	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.12	
For Elevated Installation >25' To 30', Add	40.76	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.23	
For Elevated Installation >40', Add	64.05	
For Work In Restricted Working Space, Add	34.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.94	
26 05 33 13-1073 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	424.56	63.81
For Elevated Installation >10' To 15', Add	12.76	
For Elevated Installation >15' To 20', Add	25.52	
For Elevated Installation >20' To 25', Add	31.91	
For Elevated Installation >25' To 30', Add	44.67	
For Elevated Installation >30' To 35', Add	51.05	
For Elevated Installation >35' To 40', Add	63.81	
For Elevated Installation >40', Add	70.19	
For Work In Restricted Working Space, Add	38.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.29	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1074	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	479.48 15.31 30.63 38.29 53.60 61.26 76.57 84.23 45.94 45.94	76.58
26 05 33 13-1075	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	674.58 21.54 43.07 53.84 75.38 86.14 107.68 118.45 64.61 64.61	107.68
26 05 33 13-1076	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	937.76 28.72 57.43 71.79 100.50 114.86 143.58 157.93 86.15 86.15	143.57
26 05 33 13-1077	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,358.63 35.89 71.79 89.73 125.63 143.57 179.47 197.41 107.68 107.68	179.46
26 05 33 13-1078	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,962.95 43.71 87.42 109.28 152.99 174.84 218.55 240.41 131.13 131.13	218.55
26 05 33 13-1079		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies (26 05 33 13-0843)		
26 05 33 13-1080	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.01 7.66 15.32 19.15 26.80 30.63 38.29 42.12 22.97 22.97	38.29
26 05 33 13-1081	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.61 8.77 17.55 21.94 30.71 35.10 43.87 48.26 26.32 26.32	43.87
26 05 33 13-1082	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.41 10.05 20.10 25.13 35.18 40.20 50.25 55.28 30.15 30.15	50.26

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1083	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	283.41	58.22
			For Elevated Installation >10' To 15', Add	11.65	
			For Elevated Installation >15' To 20', Add	23.29	
			For Elevated Installation >20' To 25', Add	29.12	
			For Elevated Installation >25' To 30', Add	40.76	
			For Elevated Installation >30' To 35', Add	46.58	
			For Elevated Installation >35' To 40', Add	58.23	
			For Elevated Installation >40', Add	64.05	
			For Work In Restricted Working Space, Add	34.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.94	
26 05 33 13-1084	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	384.63	63.81
			For Elevated Installation >10' To 15', Add	12.76	
			For Elevated Installation >15' To 20', Add	25.52	
			For Elevated Installation >20' To 25', Add	31.91	
			For Elevated Installation >25' To 30', Add	44.67	
			For Elevated Installation >30' To 35', Add	51.05	
			For Elevated Installation >35' To 40', Add	63.81	
			For Elevated Installation >40', Add	70.19	
			For Work In Restricted Working Space, Add	38.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.29	
26 05 33 13-1085	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	481.90	76.58
			For Elevated Installation >10' To 15', Add	15.31	
			For Elevated Installation >15' To 20', Add	30.63	
			For Elevated Installation >20' To 25', Add	38.29	
			For Elevated Installation >25' To 30', Add	53.60	
			For Elevated Installation >30' To 35', Add	61.26	
			For Elevated Installation >35' To 40', Add	76.57	
			For Elevated Installation >40', Add	84.23	
			For Work In Restricted Working Space, Add	45.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.94	
26 05 33 13-1086	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	744.79	107.68
			For Elevated Installation >10' To 15', Add	21.54	
			For Elevated Installation >15' To 20', Add	43.07	
			For Elevated Installation >20' To 25', Add	53.84	
			For Elevated Installation >25' To 30', Add	75.38	
			For Elevated Installation >30' To 35', Add	86.14	
			For Elevated Installation >35' To 40', Add	107.68	
			For Elevated Installation >40', Add	118.45	
			For Work In Restricted Working Space, Add	64.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.61	
26 05 33 13-1087	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,080.62	143.57
			For Elevated Installation >10' To 15', Add	28.72	
			For Elevated Installation >15' To 20', Add	57.43	
			For Elevated Installation >20' To 25', Add	71.79	
			For Elevated Installation >25' To 30', Add	100.50	
			For Elevated Installation >30' To 35', Add	114.86	
			For Elevated Installation >35' To 40', Add	143.58	
			For Elevated Installation >40', Add	157.93	
			For Work In Restricted Working Space, Add	86.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.15	
26 05 33 13-1088	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,358.63	179.46
			For Elevated Installation >10' To 15', Add	35.89	
			For Elevated Installation >15' To 20', Add	71.79	
			For Elevated Installation >20' To 25', Add	89.73	
			For Elevated Installation >25' To 30', Add	125.63	
			For Elevated Installation >30' To 35', Add	143.57	
			For Elevated Installation >35' To 40', Add	179.47	
			For Elevated Installation >40', Add	197.41	
			For Work In Restricted Working Space, Add	107.68	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.68	
26 05 33 13-1089			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies (26 05 33 13-0843)		
26 05 33 13-1090	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	268.65	38.29
			For Elevated Installation >10' To 15', Add	7.66	
			For Elevated Installation >15' To 20', Add	15.32	
			For Elevated Installation >20' To 25', Add	19.15	
			For Elevated Installation >25' To 30', Add	26.80	
			For Elevated Installation >30' To 35', Add	30.63	
			For Elevated Installation >35' To 40', Add	38.29	
			For Elevated Installation >40', Add	42.12	
			For Work In Restricted Working Space, Add	22.97	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.97	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1091	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	298.54	43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.94	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.10	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.26	
			For Work In Restricted Working Space, Add	26.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33 13-1092	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	368.73	50.26
			For Elevated Installation >10' To 15', Add	10.05	
			For Elevated Installation >15' To 20', Add	20.10	
			For Elevated Installation >20' To 25', Add	25.13	
			For Elevated Installation >25' To 30', Add	35.18	
			For Elevated Installation >30' To 35', Add	40.20	
			For Elevated Installation >35' To 40', Add	50.25	
			For Elevated Installation >40', Add	55.28	
			For Work In Restricted Working Space, Add	30.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	
26 05 33 13-1093	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	453.43	58.22
			For Elevated Installation >10' To 15', Add	11.65	
			For Elevated Installation >15' To 20', Add	23.29	
			For Elevated Installation >20' To 25', Add	29.12	
			For Elevated Installation >25' To 30', Add	40.76	
			For Elevated Installation >30' To 35', Add	46.58	
			For Elevated Installation >35' To 40', Add	58.23	
			For Elevated Installation >40', Add	64.05	
			For Work In Restricted Working Space, Add	34.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.94	
26 05 33 13-1094	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	624.83	63.81
			For Elevated Installation >10' To 15', Add	12.76	
			For Elevated Installation >15' To 20', Add	25.52	
			For Elevated Installation >20' To 25', Add	31.91	
			For Elevated Installation >25' To 30', Add	44.67	
			For Elevated Installation >30' To 35', Add	51.05	
			For Elevated Installation >35' To 40', Add	63.81	
			For Elevated Installation >40', Add	70.19	
			For Work In Restricted Working Space, Add	38.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.29	
26 05 33 13-1095	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	748.87	76.58
			For Elevated Installation >10' To 15', Add	15.31	
			For Elevated Installation >15' To 20', Add	30.63	
			For Elevated Installation >20' To 25', Add	38.29	
			For Elevated Installation >25' To 30', Add	53.60	
			For Elevated Installation >30' To 35', Add	61.26	
			For Elevated Installation >35' To 40', Add	76.57	
			For Elevated Installation >40', Add	84.23	
			For Work In Restricted Working Space, Add	45.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.94	
26 05 33 13-1096			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings (26 05 33 13-0843)		
26 05 33 13-1097	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	54.21	15.34
			For Elevated Installation >10' To 15', Add	3.07	
			For Elevated Installation >15' To 20', Add	6.14	
			For Elevated Installation >20' To 25', Add	7.67	
			For Elevated Installation >25' To 30', Add	10.74	
			For Elevated Installation >30' To 35', Add	12.27	
			For Elevated Installation >35' To 40', Add	15.34	
			For Elevated Installation >40', Add	16.87	
			For Work In Restricted Working Space, Add	9.20	
26 05 33 13-1098	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	71.29	18.40
			For Elevated Installation >10' To 15', Add	3.68	
			For Elevated Installation >15' To 20', Add	7.36	
			For Elevated Installation >20' To 25', Add	9.20	
			For Elevated Installation >25' To 30', Add	12.88	
			For Elevated Installation >30' To 35', Add	14.72	
			For Elevated Installation >35' To 40', Add	18.41	
			For Elevated Installation >40', Add	20.25	
			For Work In Restricted Working Space, Add	11.04	
26 05 33 13-1099	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	90.94	24.55
			For Elevated Installation >10' To 15', Add	4.91	
			For Elevated Installation >15' To 20', Add	9.82	
			For Elevated Installation >20' To 25', Add	12.27	
			For Elevated Installation >25' To 30', Add	17.18	
			For Elevated Installation >30' To 35', Add	19.63	
			For Elevated Installation >35' To 40', Add	24.54	
			For Elevated Installation >40', Add	26.99	
			For Work In Restricted Working Space, Add	14.72	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1100 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	124.19	30.68
For Elevated Installation >10' To 15', Add	6.14	
For Elevated Installation >15' To 20', Add	12.27	
For Elevated Installation >20' To 25', Add	15.34	
For Elevated Installation >25' To 30', Add	21.48	
For Elevated Installation >30' To 35', Add	24.54	
For Elevated Installation >35' To 40', Add	30.68	
For Elevated Installation >40', Add	33.75	
For Work In Restricted Working Space, Add	18.41	
26 05 33 13-1101 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	161.90	36.81
For Elevated Installation >10' To 15', Add	7.36	
For Elevated Installation >15' To 20', Add	14.73	
For Elevated Installation >20' To 25', Add	18.41	
For Elevated Installation >25' To 30', Add	25.77	
For Elevated Installation >30' To 35', Add	29.45	
For Elevated Installation >35' To 40', Add	36.82	
For Elevated Installation >40', Add	40.50	
For Work In Restricted Working Space, Add	22.09	
26 05 33 13-1102 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	272.54	42.95
For Elevated Installation >10' To 15', Add	8.59	
For Elevated Installation >15' To 20', Add	17.18	
For Elevated Installation >20' To 25', Add	21.48	
For Elevated Installation >25' To 30', Add	30.07	
For Elevated Installation >30' To 35', Add	34.36	
For Elevated Installation >35' To 40', Add	42.95	
For Elevated Installation >40', Add	47.25	
For Work In Restricted Working Space, Add	25.77	
26 05 33 13-1103 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	392.02	49.08
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
For Work In Restricted Working Space, Add	29.45	
26 05 33 13-1104 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	487.26	55.22
For Elevated Installation >10' To 15', Add	11.04	
For Elevated Installation >15' To 20', Add	22.09	
For Elevated Installation >20' To 25', Add	27.61	
For Elevated Installation >25' To 30', Add	38.65	
For Elevated Installation >30' To 35', Add	44.18	
For Elevated Installation >35' To 40', Add	55.22	
For Elevated Installation >40', Add	60.74	
For Work In Restricted Working Space, Add	33.13	
26 05 33 13-1105 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	674.48	64.43
For Elevated Installation >10' To 15', Add	12.89	
For Elevated Installation >15' To 20', Add	25.77	
For Elevated Installation >20' To 25', Add	32.21	
For Elevated Installation >25' To 30', Add	45.10	
For Elevated Installation >30' To 35', Add	51.54	
For Elevated Installation >35' To 40', Add	64.43	
For Elevated Installation >40', Add	70.87	
For Work In Restricted Working Space, Add	38.66	
26 05 33 13-1106 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	817.55	73.63
For Elevated Installation >10' To 15', Add	14.73	
For Elevated Installation >15' To 20', Add	29.45	
For Elevated Installation >20' To 25', Add	36.82	
For Elevated Installation >25' To 30', Add	51.54	
For Elevated Installation >30' To 35', Add	58.90	
For Elevated Installation >35' To 40', Add	73.63	
For Elevated Installation >40', Add	80.99	
For Work In Restricted Working Space, Add	44.18	
26 05 33 13-1107 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,308.13	116.58
For Elevated Installation >10' To 15', Add	23.32	
For Elevated Installation >15' To 20', Add	46.63	
For Elevated Installation >20' To 25', Add	58.29	
For Elevated Installation >25' To 30', Add	81.61	
For Elevated Installation >30' To 35', Add	93.26	
For Elevated Installation >35' To 40', Add	116.58	
For Elevated Installation >40', Add	128.24	
For Work In Restricted Working Space, Add	69.95	
26 05 33 13-1108 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,793.80	177.93
For Elevated Installation >10' To 15', Add	35.59	
For Elevated Installation >15' To 20', Add	71.17	
For Elevated Installation >20' To 25', Add	88.97	
For Elevated Installation >25' To 30', Add	124.55	
For Elevated Installation >30' To 35', Add	142.35	
For Elevated Installation >35' To 40', Add	177.94	
For Elevated Installation >40', Add	195.73	
For Work In Restricted Working Space, Add	106.76	

26 05 33 13-1109 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel
(RGS) Pulling Elbows (26 05 33 13-0843)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1110	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	194.96	38.29
			For Elevated Installation >10' To 15', Add	7.66	
			For Elevated Installation >15' To 20', Add	15.32	
			For Elevated Installation >20' To 25', Add	19.15	
			For Elevated Installation >25' To 30', Add	26.80	
			For Elevated Installation >30' To 35', Add	30.63	
			For Elevated Installation >35' To 40', Add	38.29	
			For Elevated Installation >40', Add	42.12	
			For Work In Restricted Working Space, Add	22.97	
26 05 33 13-1111	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	229.57	42.28
			For Elevated Installation >10' To 15', Add	8.45	
			For Elevated Installation >15' To 20', Add	16.91	
			For Elevated Installation >20' To 25', Add	21.14	
			For Elevated Installation >25' To 30', Add	29.59	
			For Elevated Installation >30' To 35', Add	33.82	
			For Elevated Installation >35' To 40', Add	42.27	
			For Elevated Installation >40', Add	46.50	
			For Work In Restricted Working Space, Add	25.36	
26 05 33 13-1112	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	254.42	50.26
			For Elevated Installation >10' To 15', Add	10.05	
			For Elevated Installation >15' To 20', Add	20.10	
			For Elevated Installation >20' To 25', Add	25.13	
			For Elevated Installation >25' To 30', Add	35.18	
			For Elevated Installation >30' To 35', Add	40.20	
			For Elevated Installation >35' To 40', Add	50.25	
			For Elevated Installation >40', Add	55.28	
			For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1113	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	361.39	58.22
			For Elevated Installation >10' To 15', Add	11.65	
			For Elevated Installation >15' To 20', Add	23.29	
			For Elevated Installation >20' To 25', Add	29.12	
			For Elevated Installation >25' To 30', Add	40.76	
			For Elevated Installation >30' To 35', Add	46.58	
			For Elevated Installation >35' To 40', Add	58.23	
			For Elevated Installation >40', Add	64.05	
			For Work In Restricted Working Space, Add	34.94	
26 05 33 13-1114	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	472.75	63.81
			For Elevated Installation >10' To 15', Add	12.76	
			For Elevated Installation >15' To 20', Add	25.52	
			For Elevated Installation >20' To 25', Add	31.91	
			For Elevated Installation >25' To 30', Add	44.67	
			For Elevated Installation >30' To 35', Add	51.05	
			For Elevated Installation >35' To 40', Add	63.81	
			For Elevated Installation >40', Add	70.19	
			For Work In Restricted Working Space, Add	38.29	
26 05 33 13-1115	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	512.61	76.58
			For Elevated Installation >10' To 15', Add	15.31	
			For Elevated Installation >15' To 20', Add	30.63	
			For Elevated Installation >20' To 25', Add	38.29	
			For Elevated Installation >25' To 30', Add	53.60	
			For Elevated Installation >30' To 35', Add	61.26	
			For Elevated Installation >35' To 40', Add	76.57	
			For Elevated Installation >40', Add	84.23	
			For Work In Restricted Working Space, Add	45.94	
26 05 33 13-1116	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,188.13	106.08
			For Elevated Installation >10' To 15', Add	21.22	
			For Elevated Installation >15' To 20', Add	42.44	
			For Elevated Installation >20' To 25', Add	53.05	
			For Elevated Installation >25' To 30', Add	74.26	
			For Elevated Installation >30' To 35', Add	84.87	
			For Elevated Installation >35' To 40', Add	106.09	
			For Elevated Installation >40', Add	116.70	
			For Work In Restricted Working Space, Add	63.65	
26 05 33 13-1117	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,263.33	143.57
			For Elevated Installation >10' To 15', Add	28.72	
			For Elevated Installation >15' To 20', Add	57.43	
			For Elevated Installation >20' To 25', Add	71.79	
			For Elevated Installation >25' To 30', Add	100.51	
			For Elevated Installation >30' To 35', Add	114.86	
			For Elevated Installation >35' To 40', Add	143.58	
			For Elevated Installation >40', Add	157.94	
			For Work In Restricted Working Space, Add	86.15	
26 05 33 13-1118	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,049.84	179.46
			For Elevated Installation >10' To 15', Add	35.90	
			For Elevated Installation >15' To 20', Add	71.79	
			For Elevated Installation >20' To 25', Add	89.74	
			For Elevated Installation >25' To 30', Add	125.63	
			For Elevated Installation >30' To 35', Add	143.58	
			For Elevated Installation >35' To 40', Add	179.48	
			For Elevated Installation >40', Add	197.42	
			For Work In Restricted Working Space, Add	107.69	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1119	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	2,144.42	218.55
			For Elevated Installation >10' To 15', Add	43.71	
			For Elevated Installation >15' To 20', Add	87.43	
			For Elevated Installation >20' To 25', Add	109.28	
			For Elevated Installation >25' To 30', Add	153.00	
			For Elevated Installation >30' To 35', Add	174.85	
			For Elevated Installation >35' To 40', Add	218.57	
			For Elevated Installation >40', Add	240.42	
			For Work In Restricted Working Space, Add	131.14	
26 05 33 13-1120			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows (26 05 33 13-0843)		
26 05 33 13-1121	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	279.22	38.29
			For Elevated Installation >10' To 15', Add	7.66	
			For Elevated Installation >15' To 20', Add	15.32	
			For Elevated Installation >20' To 25', Add	19.15	
			For Elevated Installation >25' To 30', Add	26.80	
			For Elevated Installation >30' To 35', Add	30.63	
			For Elevated Installation >35' To 40', Add	38.29	
			For Elevated Installation >40', Add	42.12	
			For Work In Restricted Working Space, Add	22.97	
26 05 33 13-1122	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	318.15	43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.94	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.10	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.26	
			For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1123	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	616.88	50.26
			For Elevated Installation >10' To 15', Add	10.05	
			For Elevated Installation >15' To 20', Add	20.10	
			For Elevated Installation >20' To 25', Add	25.13	
			For Elevated Installation >25' To 30', Add	35.18	
			For Elevated Installation >30' To 35', Add	40.20	
			For Elevated Installation >35' To 40', Add	50.25	
			For Elevated Installation >40', Add	55.28	
			For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1124	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	648.78	58.22
			For Elevated Installation >10' To 15', Add	11.65	
			For Elevated Installation >15' To 20', Add	23.29	
			For Elevated Installation >20' To 25', Add	29.12	
			For Elevated Installation >25' To 30', Add	40.76	
			For Elevated Installation >30' To 35', Add	46.58	
			For Elevated Installation >35' To 40', Add	58.23	
			For Elevated Installation >40', Add	64.05	
			For Work In Restricted Working Space, Add	34.94	
26 05 33 13-1125	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	882.14	63.81
			For Elevated Installation >10' To 15', Add	12.76	
			For Elevated Installation >15' To 20', Add	25.52	
			For Elevated Installation >20' To 25', Add	31.91	
			For Elevated Installation >25' To 30', Add	44.67	
			For Elevated Installation >30' To 35', Add	51.05	
			For Elevated Installation >35' To 40', Add	63.81	
			For Elevated Installation >40', Add	70.19	
			For Work In Restricted Working Space, Add	38.29	
26 05 33 13-1126	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	943.45	76.58
			For Elevated Installation >10' To 15', Add	15.31	
			For Elevated Installation >15' To 20', Add	30.63	
			For Elevated Installation >20' To 25', Add	38.29	
			For Elevated Installation >25' To 30', Add	53.60	
			For Elevated Installation >30' To 35', Add	61.26	
			For Elevated Installation >35' To 40', Add	76.57	
			For Elevated Installation >40', Add	84.23	
			For Work In Restricted Working Space, Add	45.94	
26 05 33 13-1127	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,802.28	107.68
			For Elevated Installation >10' To 15', Add	21.54	
			For Elevated Installation >15' To 20', Add	43.07	
			For Elevated Installation >20' To 25', Add	53.84	
			For Elevated Installation >25' To 30', Add	75.38	
			For Elevated Installation >30' To 35', Add	86.14	
			For Elevated Installation >35' To 40', Add	107.68	
			For Elevated Installation >40', Add	118.45	
			For Work In Restricted Working Space, Add	64.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1128	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,905.44	143.57
			For Elevated Installation >10' To 15', Add	28.72	
			For Elevated Installation >15' To 20', Add	57.43	
			For Elevated Installation >20' To 25', Add	71.79	
			For Elevated Installation >25' To 30', Add	100.50	
			For Elevated Installation >30' To 35', Add	114.86	
			For Elevated Installation >35' To 40', Add	143.58	
			For Elevated Installation >40', Add	157.93	
			For Work In Restricted Working Space, Add	86.15	
26 05 33 13-1129	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,782.27	179.46
			For Elevated Installation >10' To 15', Add	35.89	
			For Elevated Installation >15' To 20', Add	71.79	
			For Elevated Installation >20' To 25', Add	89.73	
			For Elevated Installation >25' To 30', Add	125.63	
			For Elevated Installation >30' To 35', Add	143.57	
			For Elevated Installation >35' To 40', Add	179.47	
			For Elevated Installation >40', Add	197.41	
			For Work In Restricted Working Space, Add	107.68	
26 05 33 13-1130	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	3,155.02	218.55
			For Elevated Installation >10' To 15', Add	43.71	
			For Elevated Installation >15' To 20', Add	87.42	
			For Elevated Installation >20' To 25', Add	109.28	
			For Elevated Installation >25' To 30', Add	152.99	
			For Elevated Installation >30' To 35', Add	174.84	
			For Elevated Installation >35' To 40', Add	218.55	
			For Elevated Installation >40', Add	240.41	
			For Work In Restricted Working Space, Add	131.13	
26 05 33 13-1131 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows (26 05 33 13-0843)					
26 05 33 13-1132	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	108.66	19.94
			For Elevated Installation >10' To 15', Add	3.99	
			For Elevated Installation >15' To 20', Add	7.98	
			For Elevated Installation >20' To 25', Add	9.97	
			For Elevated Installation >25' To 30', Add	13.96	
			For Elevated Installation >30' To 35', Add	15.95	
			For Elevated Installation >35' To 40', Add	19.94	
			For Elevated Installation >40', Add	21.93	
			For Work In Restricted Working Space, Add	11.96	
26 05 33 13-1133	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	126.90	24.73
			For Elevated Installation >10' To 15', Add	4.95	
			For Elevated Installation >15' To 20', Add	9.89	
			For Elevated Installation >20' To 25', Add	12.36	
			For Elevated Installation >25' To 30', Add	17.31	
			For Elevated Installation >30' To 35', Add	19.78	
			For Elevated Installation >35' To 40', Add	24.73	
			For Elevated Installation >40', Add	27.20	
			For Work In Restricted Working Space, Add	14.84	
26 05 33 13-1134	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	151.43	30.31
			For Elevated Installation >10' To 15', Add	6.06	
			For Elevated Installation >15' To 20', Add	12.12	
			For Elevated Installation >20' To 25', Add	15.16	
			For Elevated Installation >25' To 30', Add	21.22	
			For Elevated Installation >30' To 35', Add	24.25	
			For Elevated Installation >35' To 40', Add	30.31	
			For Elevated Installation >40', Add	33.34	
			For Work In Restricted Working Space, Add	18.19	
26 05 33 13-1135	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	178.55	35.10
			For Elevated Installation >10' To 15', Add	7.02	
			For Elevated Installation >15' To 20', Add	14.04	
			For Elevated Installation >20' To 25', Add	17.55	
			For Elevated Installation >25' To 30', Add	24.57	
			For Elevated Installation >30' To 35', Add	28.08	
			For Elevated Installation >35' To 40', Add	35.10	
			For Elevated Installation >40', Add	38.60	
			For Work In Restricted Working Space, Add	21.06	

26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0843)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1137	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	86.72	19.94
			For Elevated Installation >10' To 15', Add	3.99	
			For Elevated Installation >15' To 20', Add	7.98	
			For Elevated Installation >20' To 25', Add	9.97	
			For Elevated Installation >25' To 30', Add	13.96	
			For Elevated Installation >30' To 35', Add	15.95	
			For Elevated Installation >35' To 40', Add	19.94	
			For Elevated Installation >40', Add	21.93	
			For Work In Restricted Working Space, Add	11.96	
26 05 33 13-1138	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	100.56	24.73
			For Elevated Installation >10' To 15', Add	4.95	
			For Elevated Installation >15' To 20', Add	9.89	
			For Elevated Installation >20' To 25', Add	12.36	
			For Elevated Installation >25' To 30', Add	17.31	
			For Elevated Installation >30' To 35', Add	19.78	
			For Elevated Installation >35' To 40', Add	24.73	
			For Elevated Installation >40', Add	27.20	
			For Work In Restricted Working Space, Add	14.84	
26 05 33 13-1139	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	138.60	30.31
			For Elevated Installation >10' To 15', Add	6.06	
			For Elevated Installation >15' To 20', Add	12.12	
			For Elevated Installation >20' To 25', Add	15.16	
			For Elevated Installation >25' To 30', Add	21.22	
			For Elevated Installation >30' To 35', Add	24.25	
			For Elevated Installation >35' To 40', Add	30.31	
			For Elevated Installation >40', Add	33.34	
			For Work In Restricted Working Space, Add	18.19	
26 05 33 13-1140	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	178.65	35.10
			For Elevated Installation >10' To 15', Add	7.02	
			For Elevated Installation >15' To 20', Add	14.04	
			For Elevated Installation >20' To 25', Add	17.55	
			For Elevated Installation >25' To 30', Add	24.57	
			For Elevated Installation >30' To 35', Add	28.08	
			For Elevated Installation >35' To 40', Add	35.10	
			For Elevated Installation >40', Add	38.60	
			For Work In Restricted Working Space, Add	21.06	
26 05 33 13-1141	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	216.93	39.88
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.95	
			For Elevated Installation >20' To 25', Add	19.94	
			For Elevated Installation >25' To 30', Add	27.92	
			For Elevated Installation >30' To 35', Add	31.90	
			For Elevated Installation >35' To 40', Add	39.88	
			For Elevated Installation >40', Add	43.87	
			For Work In Restricted Working Space, Add	23.93	
26 05 33 13-1142	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	308.28	43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.94	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.10	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.26	
			For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1143	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	419.97	55.04
			For Elevated Installation >10' To 15', Add	11.01	
			For Elevated Installation >15' To 20', Add	22.01	
			For Elevated Installation >20' To 25', Add	27.52	
			For Elevated Installation >25' To 30', Add	38.52	
			For Elevated Installation >30' To 35', Add	44.03	
			For Elevated Installation >35' To 40', Add	55.04	
			For Elevated Installation >40', Add	60.54	
			For Work In Restricted Working Space, Add	33.02	

26 05 33 13-1144 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows (26 05 33 13-0843)

26 05 33 13-1145	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	108.72	19.94
			For Elevated Installation >10' To 15', Add	3.99	
			For Elevated Installation >15' To 20', Add	7.98	
			For Elevated Installation >20' To 25', Add	9.97	
			For Elevated Installation >25' To 30', Add	13.96	
			For Elevated Installation >30' To 35', Add	15.95	
			For Elevated Installation >35' To 40', Add	19.94	
			For Elevated Installation >40', Add	21.93	
			For Work In Restricted Working Space, Add	11.96	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1146	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	129.94	24.73
			For Elevated Installation >10' To 15', Add	4.95	
			For Elevated Installation >15' To 20', Add	9.89	
			For Elevated Installation >20' To 25', Add	12.36	
			For Elevated Installation >25' To 30', Add	17.31	
			For Elevated Installation >30' To 35', Add	19.78	
			For Elevated Installation >35' To 40', Add	24.73	
			For Elevated Installation >40', Add	27.20	
			For Work In Restricted Working Space, Add	14.84	
26 05 33 13-1147	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	151.45	30.31
			For Elevated Installation >10' To 15', Add	6.06	
			For Elevated Installation >15' To 20', Add	12.12	
			For Elevated Installation >20' To 25', Add	15.16	
			For Elevated Installation >25' To 30', Add	21.22	
			For Elevated Installation >30' To 35', Add	24.25	
			For Elevated Installation >35' To 40', Add	30.31	
			For Elevated Installation >40', Add	33.34	
			For Work In Restricted Working Space, Add	18.19	
26 05 33 13-1148	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	178.60	35.10
			For Elevated Installation >10' To 15', Add	7.02	
			For Elevated Installation >15' To 20', Add	14.04	
			For Elevated Installation >20' To 25', Add	17.55	
			For Elevated Installation >25' To 30', Add	24.57	
			For Elevated Installation >30' To 35', Add	28.08	
			For Elevated Installation >35' To 40', Add	35.10	
			For Elevated Installation >40', Add	38.60	
			For Work In Restricted Working Space, Add	21.06	
26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows (26 05 33 13-0843)					
26 05 33 13-1150	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	86.79	19.94
			For Elevated Installation >10' To 15', Add	3.99	
			For Elevated Installation >15' To 20', Add	7.98	
			For Elevated Installation >20' To 25', Add	9.97	
			For Elevated Installation >25' To 30', Add	13.96	
			For Elevated Installation >30' To 35', Add	15.95	
			For Elevated Installation >35' To 40', Add	19.94	
			For Elevated Installation >40', Add	21.93	
			For Work In Restricted Working Space, Add	11.96	
26 05 33 13-1151	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	100.56	24.73
			For Elevated Installation >10' To 15', Add	4.95	
			For Elevated Installation >15' To 20', Add	9.89	
			For Elevated Installation >20' To 25', Add	12.36	
			For Elevated Installation >25' To 30', Add	17.31	
			For Elevated Installation >30' To 35', Add	19.78	
			For Elevated Installation >35' To 40', Add	24.73	
			For Elevated Installation >40', Add	27.20	
			For Work In Restricted Working Space, Add	14.84	
26 05 33 13-1152	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	129.51	30.31
			For Elevated Installation >10' To 15', Add	6.06	
			For Elevated Installation >15' To 20', Add	12.12	
			For Elevated Installation >20' To 25', Add	15.16	
			For Elevated Installation >25' To 30', Add	21.22	
			For Elevated Installation >30' To 35', Add	24.25	
			For Elevated Installation >35' To 40', Add	30.31	
			For Elevated Installation >40', Add	33.34	
			For Work In Restricted Working Space, Add	18.19	
26 05 33 13-1153	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	161.00	35.10
			For Elevated Installation >10' To 15', Add	7.02	
			For Elevated Installation >15' To 20', Add	14.04	
			For Elevated Installation >20' To 25', Add	17.55	
			For Elevated Installation >25' To 30', Add	24.57	
			For Elevated Installation >30' To 35', Add	28.08	
			For Elevated Installation >35' To 40', Add	35.10	
			For Elevated Installation >40', Add	38.60	
			For Work In Restricted Working Space, Add	21.06	
26 05 33 13-1154	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	188.17	39.88
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.95	
			For Elevated Installation >20' To 25', Add	19.94	
			For Elevated Installation >25' To 30', Add	27.92	
			For Elevated Installation >30' To 35', Add	31.90	
			For Elevated Installation >35' To 40', Add	39.88	
			For Elevated Installation >40', Add	43.87	
			For Work In Restricted Working Space, Add	23.93	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1155 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	216.19	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1156 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	396.48	55.04
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.03	
For Elevated Installation >35' To 40', Add	55.04	
For Elevated Installation >40', Add	60.54	
For Work In Restricted Working Space, Add	33.02	
26 05 33 13-1157 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	457.64	74.97
For Elevated Installation >10' To 15', Add	15.00	
For Elevated Installation >15' To 20', Add	29.99	
For Elevated Installation >20' To 25', Add	37.49	
For Elevated Installation >25' To 30', Add	52.48	
For Elevated Installation >30' To 35', Add	59.98	
For Elevated Installation >35' To 40', Add	74.98	
For Elevated Installation >40', Add	82.47	
For Work In Restricted Working Space, Add	44.99	
26 05 33 13-1158 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	494.74	84.54
For Elevated Installation >10' To 15', Add	16.91	
For Elevated Installation >15' To 20', Add	33.82	
For Elevated Installation >20' To 25', Add	42.28	
For Elevated Installation >25' To 30', Add	59.19	
For Elevated Installation >30' To 35', Add	67.64	
For Elevated Installation >35' To 40', Add	84.55	
For Elevated Installation >40', Add	93.01	
For Work In Restricted Working Space, Add	50.73	
26 05 33 13-1159 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	611.94	110.07
For Elevated Installation >10' To 15', Add	22.02	
For Elevated Installation >15' To 20', Add	44.03	
For Elevated Installation >20' To 25', Add	55.04	
For Elevated Installation >25' To 30', Add	77.05	
For Elevated Installation >30' To 35', Add	88.06	
For Elevated Installation >35' To 40', Add	110.08	
For Elevated Installation >40', Add	121.08	
For Work In Restricted Working Space, Add	66.05	
26 05 33 13-1160 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows (26 05 33 13-0843)		
26 05 33 13-1161 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	180.75	38.29
For Elevated Installation >10' To 15', Add	7.66	
For Elevated Installation >15' To 20', Add	15.32	
For Elevated Installation >20' To 25', Add	19.15	
For Elevated Installation >25' To 30', Add	26.80	
For Elevated Installation >30' To 35', Add	30.63	
For Elevated Installation >35' To 40', Add	38.29	
For Elevated Installation >40', Add	42.12	
For Work In Restricted Working Space, Add	22.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.97	
26 05 33 13-1162 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	196.00	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.32	
26 05 33 13-1163 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	215.17	50.26
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.13	
For Elevated Installation >25' To 30', Add	35.18	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.28	
For Work In Restricted Working Space, Add	30.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.15	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1164 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	286.48 11.65 23.29 29.12 40.76 46.58 58.23 64.05 34.94 34.94	58.22
26 05 33 13-1165 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	361.70 12.76 25.52 31.91 44.67 51.05 63.81 70.19 38.29 38.29	63.81
26 05 33 13-1166 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover (26 05 33 13-0843)		
26 05 33 13-1167 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	215.53 7.66 15.32 19.15 26.80 30.63 38.29 42.12 22.97	38.29
26 05 33 13-1168 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	232.92 8.77 17.55 21.94 30.71 35.10 43.87 48.26 26.32	43.87
26 05 33 13-1169 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	271.97 10.05 20.10 25.13 35.18 40.20 50.25 55.28 30.15	50.26
26 05 33 13-1170 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	385.07 11.65 23.29 29.12 40.76 46.58 58.23 64.05 34.94	58.22
26 05 33 13-1171 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	617.17 12.76 25.52 31.91 44.67 51.05 63.81 70.19 38.29	63.81
26 05 33 13-1172 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	668.94 15.31 30.63 38.29 53.60 61.26 76.57 84.23 45.94	76.58

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1173		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover (26 05 33 13-0843)			
26 05 33 13-1174	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	235.27	38.29	
		For Elevated Installation >10' To 15', Add	7.66		
		For Elevated Installation >15' To 20', Add	15.32		
		For Elevated Installation >20' To 25', Add	19.15		
		For Elevated Installation >25' To 30', Add	26.80		
		For Elevated Installation >30' To 35', Add	30.63		
		For Elevated Installation >35' To 40', Add	38.29		
		For Elevated Installation >40', Add	42.12		
		For Work In Restricted Working Space, Add	22.97		
26 05 33 13-1175	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	265.84	43.87	
		For Elevated Installation >10' To 15', Add	8.77		
		For Elevated Installation >15' To 20', Add	17.55		
		For Elevated Installation >20' To 25', Add	21.94		
		For Elevated Installation >25' To 30', Add	30.71		
		For Elevated Installation >30' To 35', Add	35.10		
		For Elevated Installation >35' To 40', Add	43.87		
		For Elevated Installation >40', Add	48.26		
		For Work In Restricted Working Space, Add	26.32		
26 05 33 13-1176	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	290.76	50.26	
		For Elevated Installation >10' To 15', Add	10.05		
		For Elevated Installation >15' To 20', Add	20.10		
		For Elevated Installation >20' To 25', Add	25.13		
		For Elevated Installation >25' To 30', Add	35.18		
		For Elevated Installation >30' To 35', Add	40.20		
		For Elevated Installation >35' To 40', Add	50.25		
		For Elevated Installation >40', Add	55.28		
		For Work In Restricted Working Space, Add	30.15		
26 05 33 13-1177	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	404.16	58.22	
		For Elevated Installation >10' To 15', Add	11.65		
		For Elevated Installation >15' To 20', Add	23.29		
		For Elevated Installation >20' To 25', Add	29.12		
		For Elevated Installation >25' To 30', Add	40.76		
		For Elevated Installation >30' To 35', Add	46.58		
		For Elevated Installation >35' To 40', Add	58.23		
		For Elevated Installation >40', Add	64.05		
		For Work In Restricted Working Space, Add	34.94		
26 05 33 13-1178	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	662.70	63.81	
		For Elevated Installation >10' To 15', Add	12.76		
		For Elevated Installation >15' To 20', Add	25.52		
		For Elevated Installation >20' To 25', Add	31.91		
		For Elevated Installation >25' To 30', Add	44.67		
		For Elevated Installation >30' To 35', Add	51.05		
		For Elevated Installation >35' To 40', Add	63.81		
		For Elevated Installation >40', Add	70.19		
		For Work In Restricted Working Space, Add	38.29		
26 05 33 13-1179	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	710.73	76.58	
		For Elevated Installation >10' To 15', Add	15.31		
		For Elevated Installation >15' To 20', Add	30.63		
		For Elevated Installation >20' To 25', Add	38.29		
		For Elevated Installation >25' To 30', Add	53.60		
		For Elevated Installation >30' To 35', Add	61.26		
		For Elevated Installation >35' To 40', Add	76.57		
		For Elevated Installation >40', Add	84.23		
		For Work In Restricted Working Space, Add	45.94		
26 05 33 13-1180		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover (26 05 33 13-0843)			
26 05 33 13-1181	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	235.42	38.29	
		For Elevated Installation >10' To 15', Add	7.66		
		For Elevated Installation >15' To 20', Add	15.32		
		For Elevated Installation >20' To 25', Add	19.15		
		For Elevated Installation >25' To 30', Add	26.80		
		For Elevated Installation >30' To 35', Add	30.63		
		For Elevated Installation >35' To 40', Add	38.29		
		For Elevated Installation >40', Add	42.12		
		For Work In Restricted Working Space, Add	22.97		



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1182	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	260.02 8.77 17.55 21.94 30.71 35.10 43.87 48.26 26.32	43.87
26 05 33 13-1183	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	308.89 10.05 20.10 25.13 35.18 40.20 50.25 55.28 30.15	50.26
26 05 33 13-1184	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	418.70 11.65 23.29 29.12 40.76 46.58 58.23 64.05 34.94	58.22
26 05 33 13-1185	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	684.40 12.76 25.52 31.91 44.67 51.05 63.81 70.19 38.29	63.81
26 05 33 13-1186	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	737.47 15.31 30.63 38.29 53.60 61.26 76.57 84.23 45.94	76.58
26 05 33 13-1187			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0843)		
26 05 33 13-1188	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	290.07 7.66 15.32 19.15 26.80 30.63 38.29 42.12 22.97	38.29
26 05 33 13-1189	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	320.76 8.77 17.55 21.94 30.71 35.10 43.87 48.26 26.32	43.87
26 05 33 13-1190	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	348.39 10.05 20.10 25.13 35.18 40.20 50.25 55.28 30.15	50.26

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1191	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	860.34	58.22
			For Elevated Installation >10' To 15', Add	11.65	
			For Elevated Installation >15' To 20', Add	23.29	
			For Elevated Installation >20' To 25', Add	29.12	
			For Elevated Installation >25' To 30', Add	40.76	
			For Elevated Installation >30' To 35', Add	46.58	
			For Elevated Installation >35' To 40', Add	58.23	
			For Elevated Installation >40', Add	64.05	
			For Work In Restricted Working Space, Add	34.94	
26 05 33 13-1192			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0843)		
			Note: Excludes cover.		
26 05 33 13-1193	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	144.36	38.29
			For Elevated Installation >10' To 15', Add	7.66	
			For Elevated Installation >15' To 20', Add	15.32	
			For Elevated Installation >20' To 25', Add	19.15	
			For Elevated Installation >25' To 30', Add	26.80	
			For Elevated Installation >30' To 35', Add	30.63	
			For Elevated Installation >35' To 40', Add	38.29	
			For Elevated Installation >40', Add	42.12	
			For Work In Restricted Working Space, Add	22.97	
26 05 33 13-1194	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	159.19	43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.94	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.10	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.26	
			For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1195	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	178.07	50.26
			For Elevated Installation >10' To 15', Add	10.05	
			For Elevated Installation >15' To 20', Add	20.10	
			For Elevated Installation >20' To 25', Add	25.13	
			For Elevated Installation >25' To 30', Add	35.18	
			For Elevated Installation >30' To 35', Add	40.20	
			For Elevated Installation >35' To 40', Add	50.25	
			For Elevated Installation >40', Add	55.28	
			For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1196	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	159.18	38.29
			For Elevated Installation >10' To 15', Add	7.66	
			For Elevated Installation >15' To 20', Add	15.32	
			For Elevated Installation >20' To 25', Add	19.15	
			For Elevated Installation >25' To 30', Add	26.80	
			For Elevated Installation >30' To 35', Add	30.63	
			For Elevated Installation >35' To 40', Add	38.29	
			For Elevated Installation >40', Add	42.12	
			For Work In Restricted Working Space, Add	22.97	
26 05 33 13-1197	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	172.15	43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.94	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.10	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.26	
			For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1198	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	196.08	50.26
			For Elevated Installation >10' To 15', Add	10.05	
			For Elevated Installation >15' To 20', Add	20.10	
			For Elevated Installation >20' To 25', Add	25.13	
			For Elevated Installation >25' To 30', Add	35.18	
			For Elevated Installation >30' To 35', Add	40.20	
			For Elevated Installation >35' To 40', Add	50.25	
			For Elevated Installation >40', Add	55.28	
			For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1199			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes (26 05 33 13-0843)		
			Note: Excludes cover.		
26 05 33 13-1200	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	151.37	38.29
			For Elevated Installation >10' To 15', Add	7.66	
			For Elevated Installation >15' To 20', Add	15.32	
			For Elevated Installation >20' To 25', Add	19.15	
			For Elevated Installation >25' To 30', Add	26.80	
			For Elevated Installation >30' To 35', Add	30.63	
			For Elevated Installation >35' To 40', Add	38.29	
			For Elevated Installation >40', Add	42.12	
			For Work In Restricted Working Space, Add	22.97	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1201 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	167.07	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1202 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	183.52	50.26
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.13	
For Elevated Installation >25' To 30', Add	35.18	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.28	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1203 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	169.20	38.29
For Elevated Installation >10' To 15', Add	7.66	
For Elevated Installation >15' To 20', Add	15.32	
For Elevated Installation >20' To 25', Add	19.15	
For Elevated Installation >25' To 30', Add	26.80	
For Elevated Installation >30' To 35', Add	30.63	
For Elevated Installation >35' To 40', Add	38.29	
For Elevated Installation >40', Add	42.12	
For Work In Restricted Working Space, Add	22.97	
26 05 33 13-1204 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	185.08	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1205 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	209.39	50.26
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.13	
For Elevated Installation >25' To 30', Add	35.18	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.28	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1206 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers (26 05 33 13-0843)		
26 05 33 13-1207 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	51.51	4.78
For Elevated Installation >10' To 15', Add	0.96	
For Elevated Installation >15' To 20', Add	1.91	
For Elevated Installation >20' To 25', Add	2.39	
For Elevated Installation >25' To 30', Add	3.35	
For Elevated Installation >30' To 35', Add	3.83	
For Elevated Installation >35' To 40', Add	4.79	
For Elevated Installation >40', Add	5.26	
For Work In Restricted Working Space, Add	2.87	
26 05 33 13-1208 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	69.83	5.58
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.23	
For Elevated Installation >20' To 25', Add	2.79	
For Elevated Installation >25' To 30', Add	3.91	
For Elevated Installation >30' To 35', Add	4.47	
For Elevated Installation >35' To 40', Add	5.59	
For Elevated Installation >40', Add	6.14	
For Work In Restricted Working Space, Add	3.35	
26 05 33 13-1209 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	65.99	5.58
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.23	
For Elevated Installation >20' To 25', Add	2.79	
For Elevated Installation >25' To 30', Add	3.91	
For Elevated Installation >30' To 35', Add	4.47	
For Elevated Installation >35' To 40', Add	5.59	
For Elevated Installation >40', Add	6.14	
For Work In Restricted Working Space, Add	3.35	
26 05 33 13-1210 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	58.81	5.58
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.23	
For Elevated Installation >20' To 25', Add	2.79	
For Elevated Installation >25' To 30', Add	3.91	
For Elevated Installation >30' To 35', Add	4.47	
For Elevated Installation >35' To 40', Add	5.59	
For Elevated Installation >40', Add	6.14	
For Work In Restricted Working Space, Add	3.35	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1211 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	282.16	7.98
For Elevated Installation >10' To 15', Add	1.60	
For Elevated Installation >15' To 20', Add	3.19	
For Elevated Installation >20' To 25', Add	3.99	
For Elevated Installation >25' To 30', Add	5.59	
For Elevated Installation >30' To 35', Add	6.38	
For Elevated Installation >35' To 40', Add	7.98	
For Elevated Installation >40', Add	8.78	
For Work In Restricted Working Space, Add	4.79	
26 05 33 13-1212 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	251.02	7.98
For Elevated Installation >10' To 15', Add	1.60	
For Elevated Installation >15' To 20', Add	3.19	
For Elevated Installation >20' To 25', Add	3.99	
For Elevated Installation >25' To 30', Add	5.59	
For Elevated Installation >30' To 35', Add	6.38	
For Elevated Installation >35' To 40', Add	7.98	
For Elevated Installation >40', Add	8.78	
For Work In Restricted Working Space, Add	4.79	
26 05 33 13-1213 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies (26 05 33 13-0843)		
Note: Includes covers.		
26 05 33 13-1214 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	304.87	50.26
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.13	
For Elevated Installation >25' To 30', Add	35.18	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.28	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1215 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	342.88	58.22
For Elevated Installation >10' To 15', Add	11.65	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.12	
For Elevated Installation >25' To 30', Add	40.76	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.23	
For Elevated Installation >40', Add	64.05	
For Work In Restricted Working Space, Add	34.94	
26 05 33 13-1216 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	469.43	63.81
For Elevated Installation >10' To 15', Add	12.76	
For Elevated Installation >15' To 20', Add	25.52	
For Elevated Installation >20' To 25', Add	31.91	
For Elevated Installation >25' To 30', Add	44.67	
For Elevated Installation >30' To 35', Add	51.05	
For Elevated Installation >35' To 40', Add	63.81	
For Elevated Installation >40', Add	70.19	
For Work In Restricted Working Space, Add	38.29	
26 05 33 13-1217 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	559.50	76.58
For Elevated Installation >10' To 15', Add	15.31	
For Elevated Installation >15' To 20', Add	30.63	
For Elevated Installation >20' To 25', Add	38.29	
For Elevated Installation >25' To 30', Add	53.60	
For Elevated Installation >30' To 35', Add	61.26	
For Elevated Installation >35' To 40', Add	76.57	
For Elevated Installation >40', Add	84.23	
For Work In Restricted Working Space, Add	45.94	
26 05 33 13-1218 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	807.58	107.68
For Elevated Installation >10' To 15', Add	21.54	
For Elevated Installation >15' To 20', Add	43.07	
For Elevated Installation >20' To 25', Add	53.84	
For Elevated Installation >25' To 30', Add	75.38	
For Elevated Installation >30' To 35', Add	86.14	
For Elevated Installation >35' To 40', Add	107.68	
For Elevated Installation >40', Add	118.45	
For Work In Restricted Working Space, Add	64.61	
26 05 33 13-1219 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,020.85	143.57
For Elevated Installation >10' To 15', Add	28.72	
For Elevated Installation >15' To 20', Add	57.43	
For Elevated Installation >20' To 25', Add	71.79	
For Elevated Installation >25' To 30', Add	100.50	
For Elevated Installation >30' To 35', Add	114.86	
For Elevated Installation >35' To 40', Add	143.58	
For Elevated Installation >40', Add	157.93	
For Work In Restricted Working Space, Add	86.15	
26 05 33 13-1220 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,488.92	179.46
For Elevated Installation >10' To 15', Add	35.89	
For Elevated Installation >15' To 20', Add	71.79	
For Elevated Installation >20' To 25', Add	89.73	
For Elevated Installation >25' To 30', Add	125.63	
For Elevated Installation >30' To 35', Add	143.57	
For Elevated Installation >35' To 40', Add	179.47	
For Elevated Installation >40', Add	197.41	
For Work In Restricted Working Space, Add	107.68	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1221	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,846.47	218.55
		For Elevated Installation >10' To 15', Add	43.71	
		For Elevated Installation >15' To 20', Add	87.42	
		For Elevated Installation >20' To 25', Add	109.28	
		For Elevated Installation >25' To 30', Add	152.99	
		For Elevated Installation >30' To 35', Add	174.84	
		For Elevated Installation >35' To 40', Add	218.55	
		For Elevated Installation >40', Add	240.41	
		For Work In Restricted Working Space, Add	131.13	
26 05 33 13-1222	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	304.87	50.26
		For Elevated Installation >10' To 15', Add	10.05	
		For Elevated Installation >15' To 20', Add	20.10	
		For Elevated Installation >20' To 25', Add	25.13	
		For Elevated Installation >25' To 30', Add	35.18	
		For Elevated Installation >30' To 35', Add	40.20	
		For Elevated Installation >35' To 40', Add	50.25	
		For Elevated Installation >40', Add	55.28	
		For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1223	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	342.88	58.22
		For Elevated Installation >10' To 15', Add	11.65	
		For Elevated Installation >15' To 20', Add	23.29	
		For Elevated Installation >20' To 25', Add	29.12	
		For Elevated Installation >25' To 30', Add	40.76	
		For Elevated Installation >30' To 35', Add	46.58	
		For Elevated Installation >35' To 40', Add	58.23	
		For Elevated Installation >40', Add	64.05	
		For Work In Restricted Working Space, Add	34.94	
26 05 33 13-1224	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	468.18	63.81
		For Elevated Installation >10' To 15', Add	12.76	
		For Elevated Installation >15' To 20', Add	25.52	
		For Elevated Installation >20' To 25', Add	31.91	
		For Elevated Installation >25' To 30', Add	44.67	
		For Elevated Installation >30' To 35', Add	51.05	
		For Elevated Installation >35' To 40', Add	63.81	
		For Elevated Installation >40', Add	70.19	
		For Work In Restricted Working Space, Add	38.29	
26 05 33 13-1225	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	546.81	76.58
		For Elevated Installation >10' To 15', Add	15.31	
		For Elevated Installation >15' To 20', Add	30.63	
		For Elevated Installation >20' To 25', Add	38.29	
		For Elevated Installation >25' To 30', Add	53.60	
		For Elevated Installation >30' To 35', Add	61.26	
		For Elevated Installation >35' To 40', Add	76.57	
		For Elevated Installation >40', Add	84.23	
		For Work In Restricted Working Space, Add	45.94	
26 05 33 13-1226	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	819.25	107.68
		For Elevated Installation >10' To 15', Add	21.54	
		For Elevated Installation >15' To 20', Add	43.07	
		For Elevated Installation >20' To 25', Add	53.84	
		For Elevated Installation >25' To 30', Add	75.38	
		For Elevated Installation >30' To 35', Add	86.14	
		For Elevated Installation >35' To 40', Add	107.68	
		For Elevated Installation >40', Add	118.45	
		For Work In Restricted Working Space, Add	64.61	
26 05 33 13-1227	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,073.24	143.57
		For Elevated Installation >10' To 15', Add	28.72	
		For Elevated Installation >15' To 20', Add	57.43	
		For Elevated Installation >20' To 25', Add	71.79	
		For Elevated Installation >25' To 30', Add	100.50	
		For Elevated Installation >30' To 35', Add	114.86	
		For Elevated Installation >35' To 40', Add	143.58	
		For Elevated Installation >40', Add	157.93	
		For Work In Restricted Working Space, Add	86.15	
26 05 33 13-1228	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,552.15	179.46
		For Elevated Installation >10' To 15', Add	35.89	
		For Elevated Installation >15' To 20', Add	71.79	
		For Elevated Installation >20' To 25', Add	89.73	
		For Elevated Installation >25' To 30', Add	125.63	
		For Elevated Installation >30' To 35', Add	143.57	
		For Elevated Installation >35' To 40', Add	179.47	
		For Elevated Installation >40', Add	197.41	
		For Work In Restricted Working Space, Add	107.68	
26 05 33 13-1229	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,885.85	218.55
		For Elevated Installation >10' To 15', Add	43.71	
		For Elevated Installation >15' To 20', Add	87.42	
		For Elevated Installation >20' To 25', Add	109.28	
		For Elevated Installation >25' To 30', Add	152.99	
		For Elevated Installation >30' To 35', Add	174.84	
		For Elevated Installation >35' To 40', Add	218.55	
		For Elevated Installation >40', Add	240.41	
		For Work In Restricted Working Space, Add	131.13	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1230 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 304.87		50.26
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.13	
For Elevated Installation >25' To 30', Add	35.18	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.28	
For Work In Restricted Working Space, Add	30.15	
26 05 33 13-1231 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 342.88		58.22
For Elevated Installation >10' To 15', Add	11.65	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.12	
For Elevated Installation >25' To 30', Add	40.76	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.23	
For Elevated Installation >40', Add	64.05	
For Work In Restricted Working Space, Add	34.94	
26 05 33 13-1232 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 468.18		63.81
For Elevated Installation >10' To 15', Add	12.76	
For Elevated Installation >15' To 20', Add	25.52	
For Elevated Installation >20' To 25', Add	31.91	
For Elevated Installation >25' To 30', Add	44.67	
For Elevated Installation >30' To 35', Add	51.05	
For Elevated Installation >35' To 40', Add	63.81	
For Elevated Installation >40', Add	70.19	
For Work In Restricted Working Space, Add	38.29	
26 05 33 13-1233 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 546.81		76.58
For Elevated Installation >10' To 15', Add	15.31	
For Elevated Installation >15' To 20', Add	30.63	
For Elevated Installation >20' To 25', Add	38.29	
For Elevated Installation >25' To 30', Add	53.60	
For Elevated Installation >30' To 35', Add	61.26	
For Elevated Installation >35' To 40', Add	76.57	
For Elevated Installation >40', Add	84.23	
For Work In Restricted Working Space, Add	45.94	
26 05 33 13-1234 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 819.25		107.68
For Elevated Installation >10' To 15', Add	21.54	
For Elevated Installation >15' To 20', Add	43.07	
For Elevated Installation >20' To 25', Add	53.84	
For Elevated Installation >25' To 30', Add	75.38	
For Elevated Installation >30' To 35', Add	86.14	
For Elevated Installation >35' To 40', Add	107.68	
For Elevated Installation >40', Add	118.45	
For Work In Restricted Working Space, Add	64.61	
26 05 33 13-1235 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 1,073.24		143.57
For Elevated Installation >10' To 15', Add	28.72	
For Elevated Installation >15' To 20', Add	57.43	
For Elevated Installation >20' To 25', Add	71.79	
For Elevated Installation >25' To 30', Add	100.50	
For Elevated Installation >30' To 35', Add	114.86	
For Elevated Installation >35' To 40', Add	143.58	
For Elevated Installation >40', Add	157.93	
For Work In Restricted Working Space, Add	86.15	
26 05 33 13-1236 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 1,552.15		179.46
For Elevated Installation >10' To 15', Add	35.89	
For Elevated Installation >15' To 20', Add	71.79	
For Elevated Installation >20' To 25', Add	89.73	
For Elevated Installation >25' To 30', Add	125.63	
For Elevated Installation >30' To 35', Add	143.57	
For Elevated Installation >35' To 40', Add	179.47	
For Elevated Installation >40', Add	197.41	
For Work In Restricted Working Space, Add	107.68	
26 05 33 13-1237 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 1,885.85		218.55
For Elevated Installation >10' To 15', Add	43.71	
For Elevated Installation >15' To 20', Add	87.42	
For Elevated Installation >20' To 25', Add	109.28	
For Elevated Installation >25' To 30', Add	152.99	
For Elevated Installation >30' To 35', Add	174.84	
For Elevated Installation >35' To 40', Add	218.55	
For Elevated Installation >40', Add	240.41	
For Work In Restricted Working Space, Add	131.13	
26 05 33 13-1238 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 304.87		50.26
For Elevated Installation >10' To 15', Add	10.05	
For Elevated Installation >15' To 20', Add	20.10	
For Elevated Installation >20' To 25', Add	25.13	
For Elevated Installation >25' To 30', Add	35.18	
For Elevated Installation >30' To 35', Add	40.20	
For Elevated Installation >35' To 40', Add	50.25	
For Elevated Installation >40', Add	55.28	
For Work In Restricted Working Space, Add	30.15	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1239 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 342.88 For Elevated Installation >10' To 15', Add 11.65 For Elevated Installation >15' To 20', Add 23.29 For Elevated Installation >20' To 25', Add 29.12 For Elevated Installation >25' To 30', Add 40.76 For Elevated Installation >30' To 35', Add 46.58 For Elevated Installation >35' To 40', Add 58.23 For Elevated Installation >40', Add 64.05 For Work In Restricted Working Space, Add 34.94		58.22
26 05 33 13-1240 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 469.43 For Elevated Installation >10' To 15', Add 12.76 For Elevated Installation >15' To 20', Add 25.52 For Elevated Installation >20' To 25', Add 31.91 For Elevated Installation >25' To 30', Add 44.67 For Elevated Installation >30' To 35', Add 51.05 For Elevated Installation >35' To 40', Add 63.81 For Elevated Installation >40', Add 70.19 For Work In Restricted Working Space, Add 38.29		63.81
26 05 33 13-1241 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 553.64 For Elevated Installation >10' To 15', Add 15.31 For Elevated Installation >15' To 20', Add 30.63 For Elevated Installation >20' To 25', Add 38.29 For Elevated Installation >25' To 30', Add 53.60 For Elevated Installation >30' To 35', Add 61.26 For Elevated Installation >35' To 40', Add 76.57 For Elevated Installation >40', Add 84.23 For Work In Restricted Working Space, Add 45.94		76.58
26 05 33 13-1242 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 807.58 For Elevated Installation >10' To 15', Add 21.54 For Elevated Installation >15' To 20', Add 43.07 For Elevated Installation >20' To 25', Add 53.84 For Elevated Installation >25' To 30', Add 75.38 For Elevated Installation >30' To 35', Add 86.14 For Elevated Installation >35' To 40', Add 107.68 For Elevated Installation >40', Add 118.45 For Work In Restricted Working Space, Add 64.61		107.68
26 05 33 13-1243 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 1,020.85 For Elevated Installation >10' To 15', Add 28.72 For Elevated Installation >15' To 20', Add 57.43 For Elevated Installation >20' To 25', Add 71.79 For Elevated Installation >25' To 30', Add 100.50 For Elevated Installation >30' To 35', Add 114.86 For Elevated Installation >35' To 40', Add 143.58 For Elevated Installation >40', Add 157.93 For Work In Restricted Working Space, Add 86.15		143.57
26 05 33 13-1244 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 1,488.92 For Elevated Installation >10' To 15', Add 35.89 For Elevated Installation >15' To 20', Add 71.79 For Elevated Installation >20' To 25', Add 89.73 For Elevated Installation >25' To 30', Add 125.63 For Elevated Installation >30' To 35', Add 143.57 For Elevated Installation >35' To 40', Add 179.47 For Elevated Installation >40', Add 197.41 For Work In Restricted Working Space, Add 107.68		179.46
26 05 33 13-1245 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 1,862.87 For Elevated Installation >10' To 15', Add 43.71 For Elevated Installation >15' To 20', Add 87.42 For Elevated Installation >20' To 25', Add 109.28 For Elevated Installation >25' To 30', Add 152.99 For Elevated Installation >30' To 35', Add 174.84 For Elevated Installation >35' To 40', Add 218.55 For Elevated Installation >40', Add 240.41 For Work In Restricted Working Space, Add 131.13		218.55
26 05 33 13-1246 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers (26 05 33 13-0843)		
26 05 33 13-1247 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover 147.50 For Elevated Installation >10' To 15', Add 1.44 For Elevated Installation >15' To 20', Add 2.87 For Elevated Installation >20' To 25', Add 3.59 For Elevated Installation >25' To 30', Add 5.02 For Elevated Installation >30' To 35', Add 5.74 For Elevated Installation >35' To 40', Add 7.18 For Elevated Installation >40', Add 7.89 For Work In Restricted Working Space, Add 4.31		7.18
26 05 33 13-1248 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover 149.11 For Elevated Installation >10' To 15', Add 1.60 For Elevated Installation >15' To 20', Add 3.19 For Elevated Installation >20' To 25', Add 3.99 For Elevated Installation >25' To 30', Add 5.59 For Elevated Installation >30' To 35', Add 6.38 For Elevated Installation >35' To 40', Add 7.98 For Elevated Installation >40', Add 8.78 For Work In Restricted Working Space, Add 4.79		7.98

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1249 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	210.75	11.17
For Elevated Installation >10' To 15', Add	2.23	
For Elevated Installation >15' To 20', Add	4.47	
For Elevated Installation >20' To 25', Add	5.58	
For Elevated Installation >25' To 30', Add	7.82	
For Elevated Installation >30' To 35', Add	8.93	
For Elevated Installation >35' To 40', Add	11.17	
For Elevated Installation >40', Add	12.28	
For Work In Restricted Working Space, Add	6.70	
26 05 33 13-1250 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	213.95	12.76
For Elevated Installation >10' To 15', Add	2.55	
For Elevated Installation >15' To 20', Add	5.11	
For Elevated Installation >20' To 25', Add	6.38	
For Elevated Installation >25' To 30', Add	8.94	
For Elevated Installation >30' To 35', Add	10.21	
For Elevated Installation >35' To 40', Add	12.77	
For Elevated Installation >40', Add	14.04	
For Work In Restricted Working Space, Add	7.66	
26 05 33 13-1251 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	372.22	15.15
For Elevated Installation >10' To 15', Add	3.03	
For Elevated Installation >15' To 20', Add	6.06	
For Elevated Installation >20' To 25', Add	7.58	
For Elevated Installation >25' To 30', Add	10.61	
For Elevated Installation >30' To 35', Add	12.12	
For Elevated Installation >35' To 40', Add	15.16	
For Elevated Installation >40', Add	16.67	
For Work In Restricted Working Space, Add	9.09	
26 05 33 13-1252 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	380.20	19.14
For Elevated Installation >10' To 15', Add	3.83	
For Elevated Installation >15' To 20', Add	7.66	
For Elevated Installation >20' To 25', Add	9.57	
For Elevated Installation >25' To 30', Add	13.40	
For Elevated Installation >30' To 35', Add	15.32	
For Elevated Installation >35' To 40', Add	19.15	
For Elevated Installation >40', Add	21.06	
For Work In Restricted Working Space, Add	11.49	
26 05 33 13-1253 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	570.97	21.54
For Elevated Installation >10' To 15', Add	4.31	
For Elevated Installation >15' To 20', Add	8.61	
For Elevated Installation >20' To 25', Add	10.77	
For Elevated Installation >25' To 30', Add	15.07	
For Elevated Installation >30' To 35', Add	17.23	
For Elevated Installation >35' To 40', Add	21.54	
For Elevated Installation >40', Add	23.69	
For Work In Restricted Working Space, Add	12.92	
26 05 33 13-1254 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	583.74	27.91
For Elevated Installation >10' To 15', Add	5.58	
For Elevated Installation >15' To 20', Add	11.17	
For Elevated Installation >20' To 25', Add	13.96	
For Elevated Installation >25' To 30', Add	19.54	
For Elevated Installation >30' To 35', Add	22.34	
For Elevated Installation >35' To 40', Add	27.92	
For Elevated Installation >40', Add	30.71	
For Work In Restricted Working Space, Add	16.75	
26 05 33 13-1255 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings (26 05 33 13-0843)		
26 05 33 13-1256 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	255.75	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
26 05 33 13-1257 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	302.44	24.73
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.36	
For Elevated Installation >25' To 30', Add	17.31	
For Elevated Installation >30' To 35', Add	19.78	
For Elevated Installation >35' To 40', Add	24.73	
For Elevated Installation >40', Add	27.20	
For Work In Restricted Working Space, Add	14.84	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1258	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	358.24	30.31
		For Elevated Installation >10' To 15', Add	6.06	
		For Elevated Installation >15' To 20', Add	12.12	
		For Elevated Installation >20' To 25', Add	15.16	
		For Elevated Installation >25' To 30', Add	21.22	
		For Elevated Installation >30' To 35', Add	24.25	
		For Elevated Installation >35' To 40', Add	30.31	
		For Elevated Installation >40', Add	33.34	
		For Work In Restricted Working Space, Add	18.19	
26 05 33 13-1259	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	440.81	35.10
		For Elevated Installation >10' To 15', Add	7.02	
		For Elevated Installation >15' To 20', Add	14.04	
		For Elevated Installation >20' To 25', Add	17.55	
		For Elevated Installation >25' To 30', Add	24.57	
		For Elevated Installation >30' To 35', Add	28.08	
		For Elevated Installation >35' To 40', Add	35.10	
		For Elevated Installation >40', Add	38.60	
		For Work In Restricted Working Space, Add	21.06	
26 05 33 13-1260	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	587.67	39.88
		For Elevated Installation >10' To 15', Add	7.98	
		For Elevated Installation >15' To 20', Add	15.95	
		For Elevated Installation >20' To 25', Add	19.94	
		For Elevated Installation >25' To 30', Add	27.92	
		For Elevated Installation >30' To 35', Add	31.90	
		For Elevated Installation >35' To 40', Add	39.88	
		For Elevated Installation >40', Add	43.87	
		For Work In Restricted Working Space, Add	23.93	
26 05 33 13-1261	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	811.07	43.87
		For Elevated Installation >10' To 15', Add	8.77	
		For Elevated Installation >15' To 20', Add	17.55	
		For Elevated Installation >20' To 25', Add	21.94	
		For Elevated Installation >25' To 30', Add	30.71	
		For Elevated Installation >30' To 35', Add	35.10	
		For Elevated Installation >35' To 40', Add	43.87	
		For Elevated Installation >40', Add	48.26	
		For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1262	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,156.61	55.04
		For Elevated Installation >10' To 15', Add	11.01	
		For Elevated Installation >15' To 20', Add	22.01	
		For Elevated Installation >20' To 25', Add	27.52	
		For Elevated Installation >25' To 30', Add	38.52	
		For Elevated Installation >30' To 35', Add	44.03	
		For Elevated Installation >35' To 40', Add	55.04	
		For Elevated Installation >40', Add	60.54	
		For Work In Restricted Working Space, Add	33.02	
26 05 33 13-1263	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,439.66	74.97
		For Elevated Installation >10' To 15', Add	15.00	
		For Elevated Installation >15' To 20', Add	29.99	
		For Elevated Installation >20' To 25', Add	37.49	
		For Elevated Installation >25' To 30', Add	52.48	
		For Elevated Installation >30' To 35', Add	59.98	
		For Elevated Installation >35' To 40', Add	74.98	
		For Elevated Installation >40', Add	82.47	
		For Work In Restricted Working Space, Add	44.99	
26 05 33 13-1264	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,015.21	84.54
		For Elevated Installation >10' To 15', Add	16.91	
		For Elevated Installation >15' To 20', Add	33.82	
		For Elevated Installation >20' To 25', Add	42.28	
		For Elevated Installation >25' To 30', Add	59.19	
		For Elevated Installation >30' To 35', Add	67.64	
		For Elevated Installation >35' To 40', Add	84.55	
		For Elevated Installation >40', Add	93.01	
		For Work In Restricted Working Space, Add	50.73	
26 05 33 13-1265	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,325.48	110.07
		For Elevated Installation >10' To 15', Add	22.02	
		For Elevated Installation >15' To 20', Add	44.03	
		For Elevated Installation >20' To 25', Add	55.04	
		For Elevated Installation >25' To 30', Add	77.05	
		For Elevated Installation >30' To 35', Add	88.06	
		For Elevated Installation >35' To 40', Add	110.08	
		For Elevated Installation >40', Add	121.08	
		For Work In Restricted Working Space, Add	66.05	
26 05 33 13-1266		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper (26 05 33 13-0843)		
26 05 33 13-1267	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	403.64	19.94
		For Elevated Installation >10' To 15', Add	3.99	
		For Elevated Installation >15' To 20', Add	7.98	
		For Elevated Installation >20' To 25', Add	9.97	
		For Elevated Installation >25' To 30', Add	13.96	
		For Elevated Installation >30' To 35', Add	15.95	
		For Elevated Installation >35' To 40', Add	19.94	
		For Elevated Installation >40', Add	21.93	
		For Work In Restricted Working Space, Add	11.96	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1268	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	420.07	24.73
			For Elevated Installation >10' To 15', Add	4.95	
			For Elevated Installation >15' To 20', Add	9.89	
			For Elevated Installation >20' To 25', Add	12.36	
			For Elevated Installation >25' To 30', Add	17.31	
			For Elevated Installation >30' To 35', Add	19.78	
			For Elevated Installation >35' To 40', Add	24.73	
			For Elevated Installation >40', Add	27.20	
			For Work In Restricted Working Space, Add	14.84	
26 05 33 13-1269	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	472.37	30.31
			For Elevated Installation >10' To 15', Add	6.06	
			For Elevated Installation >15' To 20', Add	12.12	
			For Elevated Installation >20' To 25', Add	15.16	
			For Elevated Installation >25' To 30', Add	21.22	
			For Elevated Installation >30' To 35', Add	24.25	
			For Elevated Installation >35' To 40', Add	30.31	
			For Elevated Installation >40', Add	33.34	
			For Work In Restricted Working Space, Add	18.19	
26 05 33 13-1270	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	571.25	35.10
			For Elevated Installation >10' To 15', Add	7.02	
			For Elevated Installation >15' To 20', Add	14.04	
			For Elevated Installation >20' To 25', Add	17.55	
			For Elevated Installation >25' To 30', Add	24.57	
			For Elevated Installation >30' To 35', Add	28.08	
			For Elevated Installation >35' To 40', Add	35.10	
			For Elevated Installation >40', Add	38.60	
			For Work In Restricted Working Space, Add	21.06	
26 05 33 13-1271	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	691.82	39.88
			For Elevated Installation >10' To 15', Add	7.98	
			For Elevated Installation >15' To 20', Add	15.95	
			For Elevated Installation >20' To 25', Add	19.94	
			For Elevated Installation >25' To 30', Add	27.92	
			For Elevated Installation >30' To 35', Add	31.90	
			For Elevated Installation >35' To 40', Add	39.88	
			For Elevated Installation >40', Add	43.87	
			For Work In Restricted Working Space, Add	23.93	
26 05 33 13-1272	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	882.77	43.87
			For Elevated Installation >10' To 15', Add	8.77	
			For Elevated Installation >15' To 20', Add	17.55	
			For Elevated Installation >20' To 25', Add	21.94	
			For Elevated Installation >25' To 30', Add	30.71	
			For Elevated Installation >30' To 35', Add	35.10	
			For Elevated Installation >35' To 40', Add	43.87	
			For Elevated Installation >40', Add	48.26	
			For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1273	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,301.03	55.04
			For Elevated Installation >10' To 15', Add	11.01	
			For Elevated Installation >15' To 20', Add	22.01	
			For Elevated Installation >20' To 25', Add	27.52	
			For Elevated Installation >25' To 30', Add	38.52	
			For Elevated Installation >30' To 35', Add	44.03	
			For Elevated Installation >35' To 40', Add	55.04	
			For Elevated Installation >40', Add	60.54	
			For Work In Restricted Working Space, Add	33.02	
26 05 33 13-1274	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,632.65	74.97
			For Elevated Installation >10' To 15', Add	15.00	
			For Elevated Installation >15' To 20', Add	29.99	
			For Elevated Installation >20' To 25', Add	37.49	
			For Elevated Installation >25' To 30', Add	52.48	
			For Elevated Installation >30' To 35', Add	59.98	
			For Elevated Installation >35' To 40', Add	74.98	
			For Elevated Installation >40', Add	82.47	
			For Work In Restricted Working Space, Add	44.99	
26 05 33 13-1275	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,077.52	84.54
			For Elevated Installation >10' To 15', Add	16.91	
			For Elevated Installation >15' To 20', Add	33.82	
			For Elevated Installation >20' To 25', Add	42.28	
			For Elevated Installation >25' To 30', Add	59.19	
			For Elevated Installation >30' To 35', Add	67.64	
			For Elevated Installation >35' To 40', Add	84.55	
			For Elevated Installation >40', Add	93.01	
			For Work In Restricted Working Space, Add	50.73	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1276	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,601.42	110.07
			For Elevated Installation >10' To 15', Add	22.02	
			For Elevated Installation >15' To 20', Add	44.03	
			For Elevated Installation >20' To 25', Add	55.04	
			For Elevated Installation >25' To 30', Add	77.05	
			For Elevated Installation >30' To 35', Add	88.06	
			For Elevated Installation >35' To 40', Add	110.08	
			For Elevated Installation >40', Add	121.08	
			For Work In Restricted Working Space, Add	66.05	
26 05 33 13-1277 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs (26 05 33 13-0843)					
26 05 33 13-1278	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	85.19	9.57
			For Elevated Installation >10' To 15', Add	1.91	
			For Elevated Installation >15' To 20', Add	3.83	
			For Elevated Installation >20' To 25', Add	4.79	
			For Elevated Installation >25' To 30', Add	6.70	
			For Elevated Installation >30' To 35', Add	7.66	
			For Elevated Installation >35' To 40', Add	9.57	
			For Elevated Installation >40', Add	10.53	
			For Work In Restricted Working Space, Add	5.74	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.74	
26 05 33 13-1279	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	92.76	11.97
			For Elevated Installation >10' To 15', Add	2.39	
			For Elevated Installation >15' To 20', Add	4.78	
			For Elevated Installation >20' To 25', Add	5.98	
			For Elevated Installation >25' To 30', Add	8.37	
			For Elevated Installation >30' To 35', Add	9.57	
			For Elevated Installation >35' To 40', Add	11.96	
			For Elevated Installation >40', Add	13.16	
			For Work In Restricted Working Space, Add	7.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33 13-1280	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	102.35	14.35
			For Elevated Installation >10' To 15', Add	2.87	
			For Elevated Installation >15' To 20', Add	5.74	
			For Elevated Installation >20' To 25', Add	7.18	
			For Elevated Installation >25' To 30', Add	10.05	
			For Elevated Installation >30' To 35', Add	11.49	
			For Elevated Installation >35' To 40', Add	14.36	
			For Elevated Installation >40', Add	15.80	
			For Work In Restricted Working Space, Add	8.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.62	
26 05 33 13-1281	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	116.12	17.55
			For Elevated Installation >10' To 15', Add	3.51	
			For Elevated Installation >15' To 20', Add	7.02	
			For Elevated Installation >20' To 25', Add	8.78	
			For Elevated Installation >25' To 30', Add	12.29	
			For Elevated Installation >30' To 35', Add	14.04	
			For Elevated Installation >35' To 40', Add	17.55	
			For Elevated Installation >40', Add	19.31	
			For Work In Restricted Working Space, Add	10.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33 13-1282	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	155.27	19.94
			For Elevated Installation >10' To 15', Add	3.99	
			For Elevated Installation >15' To 20', Add	7.98	
			For Elevated Installation >20' To 25', Add	9.97	
			For Elevated Installation >25' To 30', Add	13.96	
			For Elevated Installation >30' To 35', Add	15.95	
			For Elevated Installation >35' To 40', Add	19.94	
			For Elevated Installation >40', Add	21.93	
			For Work In Restricted Working Space, Add	11.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-1283	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	189.24	22.33
			For Elevated Installation >10' To 15', Add	4.47	
			For Elevated Installation >15' To 20', Add	8.93	
			For Elevated Installation >20' To 25', Add	11.17	
			For Elevated Installation >25' To 30', Add	15.63	
			For Elevated Installation >30' To 35', Add	17.86	
			For Elevated Installation >35' To 40', Add	22.33	
			For Elevated Installation >40', Add	24.56	
			For Work In Restricted Working Space, Add	13.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	
26 05 33 13-1284	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	269.90	27.91
			For Elevated Installation >10' To 15', Add	5.58	
			For Elevated Installation >15' To 20', Add	11.17	
			For Elevated Installation >20' To 25', Add	13.96	
			For Elevated Installation >25' To 30', Add	19.54	
			For Elevated Installation >30' To 35', Add	22.34	
			For Elevated Installation >35' To 40', Add	27.92	
			For Elevated Installation >40', Add	30.71	
			For Work In Restricted Working Space, Add	16.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.75	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1285 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	352.61 7.50 15.00 18.75 26.24 29.99 37.49 41.24 22.49 22.49	37.49
26 05 33 13-1286 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	448.83 8.45 16.91 21.14 29.59 33.82 42.27 46.50 25.36 25.36	42.28
26 05 33 13-1287 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	564.97 11.01 22.01 27.52 38.52 44.03 55.04 60.54 33.02 33.02	55.04
26 05 33 13-1288 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	707.70 17.87 35.73 44.67 62.53 71.47 89.34 98.27 53.60 53.60	89.33
26 05 33 13-1289 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,067.34 26.96 53.92 67.40 94.36 107.84 134.80 148.28 80.88 80.88	134.80
26 05 33 13-1290 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0843)		
26 05 33 13-1291 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127.20 1.91 3.83 4.79 6.70 7.66 9.57 10.53 5.74 5.74	9.57
26 05 33 13-1292 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.07 2.39 4.78 5.98 8.37 9.57 11.96 13.16 7.18 7.18	11.97
26 05 33 13-1293 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.60 2.87 5.74 7.18 10.05 11.49 14.36 15.80 8.62 8.62	14.35



Electrical	26	26
Common Work Results for Electrical	26 05	
Raceway and Boxes for Electrical Systems	26 05 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1294	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.54 3.51 7.02 8.78 12.29 14.04 17.55 19.31 10.53 10.53	17.55
26 05 33 13-1295	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	179.08 3.99 7.98 9.97 13.96 15.95 19.94 21.93 11.96 11.96	19.94
26 05 33 13-1296	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.50 4.47 8.93 11.17 15.63 17.86 22.33 24.56 13.40 13.40	22.33
26 05 33 13-1297	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	307.12 5.58 11.17 13.96 19.54 22.34 27.92 30.71 16.75 16.75	27.91
26 05 33 13-1298	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	368.65 7.50 15.00 18.75 26.24 29.99 37.49 41.24 22.49 22.49	37.49
26 05 33 13-1299	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	452.30 8.45 16.91 21.14 29.59 33.82 42.27 46.50 25.36 25.36	42.28
26 05 33 13-1300	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	587.34 11.01 22.01 27.52 38.52 44.03 55.04 60.54 33.02 33.02	55.04
26 05 33 13-1301	EA	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	914.63 17.87 35.73 44.67 62.53 71.47 89.34 98.27 53.60 53.60	89.33

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1302 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,493.79	134.80
For Elevated Installation >10' To 15', Add	26.96	
For Elevated Installation >15' To 20', Add	53.92	
For Elevated Installation >20' To 25', Add	67.40	
For Elevated Installation >25' To 30', Add	94.36	
For Elevated Installation >30' To 35', Add	107.84	
For Elevated Installation >35' To 40', Add	134.80	
For Elevated Installation >40', Add	148.28	
For Work In Restricted Working Space, Add	80.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.88	
26 05 33 13-1303 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0843)		
26 05 33 13-1304 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	136.54	9.57
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.83	
For Elevated Installation >20' To 25', Add	4.79	
For Elevated Installation >25' To 30', Add	6.70	
For Elevated Installation >30' To 35', Add	7.66	
For Elevated Installation >35' To 40', Add	9.57	
For Elevated Installation >40', Add	10.53	
For Work In Restricted Working Space, Add	5.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.74	
26 05 33 13-1305 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	143.94	11.97
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.96	
For Elevated Installation >40', Add	13.16	
For Work In Restricted Working Space, Add	7.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33 13-1306 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	154.86	14.35
For Elevated Installation >10' To 15', Add	2.87	
For Elevated Installation >15' To 20', Add	5.74	
For Elevated Installation >20' To 25', Add	7.18	
For Elevated Installation >25' To 30', Add	10.05	
For Elevated Installation >30' To 35', Add	11.49	
For Elevated Installation >35' To 40', Add	14.36	
For Elevated Installation >40', Add	15.80	
For Work In Restricted Working Space, Add	8.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.62	
26 05 33 13-1307 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	194.67	17.55
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.78	
For Elevated Installation >25' To 30', Add	12.29	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.31	
For Work In Restricted Working Space, Add	10.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33 13-1308 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	213.03	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-1309 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	225.93	22.33
For Elevated Installation >10' To 15', Add	4.47	
For Elevated Installation >15' To 20', Add	8.93	
For Elevated Installation >20' To 25', Add	11.17	
For Elevated Installation >25' To 30', Add	15.63	
For Elevated Installation >30' To 35', Add	17.86	
For Elevated Installation >35' To 40', Add	22.33	
For Elevated Installation >40', Add	24.56	
For Work In Restricted Working Space, Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	

26 05 33 13-1310 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions (26 05 33 13-0843)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1311 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	104.70	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
26 05 33 13-1312 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	115.45	24.73
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.36	
For Elevated Installation >25' To 30', Add	17.31	
For Elevated Installation >30' To 35', Add	19.78	
For Elevated Installation >35' To 40', Add	24.73	
For Elevated Installation >40', Add	27.20	
For Work In Restricted Working Space, Add	14.84	
26 05 33 13-1313 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	149.09	30.31
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
For Work In Restricted Working Space, Add	18.19	
26 05 33 13-1314 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	212.58	35.10
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
For Work In Restricted Working Space, Add	21.06	
26 05 33 13-1315 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	251.51	39.88
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	
For Work In Restricted Working Space, Add	23.93	
26 05 33 13-1316 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	316.62	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1317 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	419.94	55.04
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.03	
For Elevated Installation >35' To 40', Add	55.04	
For Elevated Installation >40', Add	60.54	
For Work In Restricted Working Space, Add	33.02	
26 05 33 13-1318 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	537.27	55.04
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.03	
For Elevated Installation >35' To 40', Add	55.04	
For Elevated Installation >40', Add	60.54	
For Work In Restricted Working Space, Add	33.02	
26 05 33 13-1319 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	699.01	84.54
For Elevated Installation >10' To 15', Add	16.91	
For Elevated Installation >15' To 20', Add	33.82	
For Elevated Installation >20' To 25', Add	42.28	
For Elevated Installation >25' To 30', Add	59.19	
For Elevated Installation >30' To 35', Add	67.64	
For Elevated Installation >35' To 40', Add	84.55	
For Elevated Installation >40', Add	93.01	
For Work In Restricted Working Space, Add	50.73	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1320 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	900.56	110.07
For Elevated Installation >10' To 15', Add	22.02	
For Elevated Installation >15' To 20', Add	44.03	
For Elevated Installation >20' To 25', Add	55.04	
For Elevated Installation >25' To 30', Add	77.05	
For Elevated Installation >30' To 35', Add	88.06	
For Elevated Installation >35' To 40', Add	110.08	
For Elevated Installation >40', Add	121.08	
For Work In Restricted Working Space, Add	66.05	
26 05 33 13-1321 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,630.71	179.46
For Elevated Installation >10' To 15', Add	35.89	
For Elevated Installation >15' To 20', Add	71.79	
For Elevated Installation >20' To 25', Add	89.73	
For Elevated Installation >25' To 30', Add	125.63	
For Elevated Installation >30' To 35', Add	143.57	
For Elevated Installation >35' To 40', Add	179.47	
For Elevated Installation >40', Add	197.41	
For Work In Restricted Working Space, Add	107.68	
26 05 33 13-1322 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	2,053.87	269.60
For Elevated Installation >10' To 15', Add	53.92	
For Elevated Installation >15' To 20', Add	107.84	
For Elevated Installation >20' To 25', Add	134.80	
For Elevated Installation >25' To 30', Add	188.72	
For Elevated Installation >30' To 35', Add	215.68	
For Elevated Installation >35' To 40', Add	269.60	
For Elevated Installation >40', Add	296.56	
For Work In Restricted Working Space, Add	161.76	
26 05 33 13-1323 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions (26 05 33 13-0843)		
26 05 33 13-1324 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	106.88	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
26 05 33 13-1325 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	123.78	24.73
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.36	
For Elevated Installation >25' To 30', Add	17.31	
For Elevated Installation >30' To 35', Add	19.78	
For Elevated Installation >35' To 40', Add	24.73	
For Elevated Installation >40', Add	27.20	
For Work In Restricted Working Space, Add	14.84	
26 05 33 13-1326 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	153.54	30.31
For Elevated Installation >10' To 15', Add	6.06	
For Elevated Installation >15' To 20', Add	12.12	
For Elevated Installation >20' To 25', Add	15.16	
For Elevated Installation >25' To 30', Add	21.22	
For Elevated Installation >30' To 35', Add	24.25	
For Elevated Installation >35' To 40', Add	30.31	
For Elevated Installation >40', Add	33.34	
For Work In Restricted Working Space, Add	18.19	
26 05 33 13-1327 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	220.74	35.10
For Elevated Installation >10' To 15', Add	7.02	
For Elevated Installation >15' To 20', Add	14.04	
For Elevated Installation >20' To 25', Add	17.55	
For Elevated Installation >25' To 30', Add	24.57	
For Elevated Installation >30' To 35', Add	28.08	
For Elevated Installation >35' To 40', Add	35.10	
For Elevated Installation >40', Add	38.60	
For Work In Restricted Working Space, Add	21.06	
26 05 33 13-1328 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	262.83	39.88
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.95	
For Elevated Installation >20' To 25', Add	19.94	
For Elevated Installation >25' To 30', Add	27.92	
For Elevated Installation >30' To 35', Add	31.90	
For Elevated Installation >35' To 40', Add	39.88	
For Elevated Installation >40', Add	43.87	
For Work In Restricted Working Space, Add	23.93	
26 05 33 13-1329 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	341.08	43.87
For Elevated Installation >10' To 15', Add	8.77	
For Elevated Installation >15' To 20', Add	17.55	
For Elevated Installation >20' To 25', Add	21.94	
For Elevated Installation >25' To 30', Add	30.71	
For Elevated Installation >30' To 35', Add	35.10	
For Elevated Installation >35' To 40', Add	43.87	
For Elevated Installation >40', Add	48.26	
For Work In Restricted Working Space, Add	26.32	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1330	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	472.28	55.04
		For Elevated Installation >10' To 15', Add	11.01	
		For Elevated Installation >15' To 20', Add	22.01	
		For Elevated Installation >20' To 25', Add	27.52	
		For Elevated Installation >25' To 30', Add	38.52	
		For Elevated Installation >30' To 35', Add	44.03	
		For Elevated Installation >35' To 40', Add	55.04	
		For Elevated Installation >40', Add	60.54	
		For Work In Restricted Working Space, Add	33.02	
26 05 33 13-1331	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	590.48	55.04
		For Elevated Installation >10' To 15', Add	11.01	
		For Elevated Installation >15' To 20', Add	22.01	
		For Elevated Installation >20' To 25', Add	27.52	
		For Elevated Installation >25' To 30', Add	38.52	
		For Elevated Installation >30' To 35', Add	44.03	
		For Elevated Installation >35' To 40', Add	55.04	
		For Elevated Installation >40', Add	60.54	
		For Work In Restricted Working Space, Add	33.02	
26 05 33 13-1332	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	795.22	84.54
		For Elevated Installation >10' To 15', Add	16.91	
		For Elevated Installation >15' To 20', Add	33.82	
		For Elevated Installation >20' To 25', Add	42.28	
		For Elevated Installation >25' To 30', Add	59.19	
		For Elevated Installation >30' To 35', Add	67.64	
		For Elevated Installation >35' To 40', Add	84.55	
		For Elevated Installation >40', Add	93.01	
		For Work In Restricted Working Space, Add	50.73	
26 05 33 13-1333	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	996.42	110.07
		For Elevated Installation >10' To 15', Add	22.02	
		For Elevated Installation >15' To 20', Add	44.03	
		For Elevated Installation >20' To 25', Add	55.04	
		For Elevated Installation >25' To 30', Add	77.05	
		For Elevated Installation >30' To 35', Add	88.06	
		For Elevated Installation >35' To 40', Add	110.08	
		For Elevated Installation >40', Add	121.08	
		For Work In Restricted Working Space, Add	66.05	
26 05 33 13-1334	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,806.42	179.46
		For Elevated Installation >10' To 15', Add	35.89	
		For Elevated Installation >15' To 20', Add	71.79	
		For Elevated Installation >20' To 25', Add	89.73	
		For Elevated Installation >25' To 30', Add	125.63	
		For Elevated Installation >30' To 35', Add	143.57	
		For Elevated Installation >35' To 40', Add	179.47	
		For Elevated Installation >40', Add	197.41	
		For Work In Restricted Working Space, Add	107.68	
26 05 33 13-1335	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	2,337.60	269.60
		For Elevated Installation >10' To 15', Add	53.92	
		For Elevated Installation >15' To 20', Add	107.84	
		For Elevated Installation >20' To 25', Add	134.80	
		For Elevated Installation >25' To 30', Add	188.72	
		For Elevated Installation >30' To 35', Add	215.68	
		For Elevated Installation >35' To 40', Add	269.60	
		For Elevated Installation >40', Add	296.56	
		For Work In Restricted Working Space, Add	161.76	
26 05 33 13-1336 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings (26 05 33 13-0843)				
26 05 33 13-1337	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	56.61	6.38
		For Elevated Installation >10' To 15', Add	1.28	
		For Elevated Installation >15' To 20', Add	2.55	
		For Elevated Installation >20' To 25', Add	3.19	
		For Elevated Installation >25' To 30', Add	4.47	
		For Elevated Installation >30' To 35', Add	5.10	
		For Elevated Installation >35' To 40', Add	6.38	
		For Elevated Installation >40', Add	7.02	
		For Work In Restricted Working Space, Add	3.83	
26 05 33 13-1338	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	62.44	7.98
		For Elevated Installation >10' To 15', Add	1.60	
		For Elevated Installation >15' To 20', Add	3.19	
		For Elevated Installation >20' To 25', Add	3.99	
		For Elevated Installation >25' To 30', Add	5.59	
		For Elevated Installation >30' To 35', Add	6.38	
		For Elevated Installation >35' To 40', Add	7.98	
		For Elevated Installation >40', Add	8.78	
		For Work In Restricted Working Space, Add	4.79	
26 05 33 13-1339	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	70.63	7.98
		For Elevated Installation >10' To 15', Add	1.60	
		For Elevated Installation >15' To 20', Add	3.19	
		For Elevated Installation >20' To 25', Add	3.99	
		For Elevated Installation >25' To 30', Add	5.59	
		For Elevated Installation >30' To 35', Add	6.38	
		For Elevated Installation >35' To 40', Add	7.98	
		For Elevated Installation >40', Add	8.78	
		For Work In Restricted Working Space, Add	4.79	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1340 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	86.91	8.77
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.78	
For Elevated Installation >40', Add	9.65	
For Work In Restricted Working Space, Add	5.27	
26 05 33 13-1341 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	91.63	8.77
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.02	
For Elevated Installation >35' To 40', Add	8.78	
For Elevated Installation >40', Add	9.65	
For Work In Restricted Working Space, Add	5.27	
26 05 33 13-1342 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	79.68	10.37
For Elevated Installation >10' To 15', Add	2.07	
For Elevated Installation >15' To 20', Add	4.15	
For Elevated Installation >20' To 25', Add	5.19	
For Elevated Installation >25' To 30', Add	7.26	
For Elevated Installation >30' To 35', Add	8.30	
For Elevated Installation >35' To 40', Add	10.37	
For Elevated Installation >40', Add	11.41	
For Work In Restricted Working Space, Add	6.22	
26 05 33 13-1343 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	90.23	10.37
For Elevated Installation >10' To 15', Add	2.07	
For Elevated Installation >15' To 20', Add	4.15	
For Elevated Installation >20' To 25', Add	5.19	
For Elevated Installation >25' To 30', Add	7.26	
For Elevated Installation >30' To 35', Add	8.30	
For Elevated Installation >35' To 40', Add	10.37	
For Elevated Installation >40', Add	11.41	
For Work In Restricted Working Space, Add	6.22	
26 05 33 13-1344 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	137.67	10.37
For Elevated Installation >10' To 15', Add	2.07	
For Elevated Installation >15' To 20', Add	4.15	
For Elevated Installation >20' To 25', Add	5.19	
For Elevated Installation >25' To 30', Add	7.26	
For Elevated Installation >30' To 35', Add	8.30	
For Elevated Installation >35' To 40', Add	10.37	
For Elevated Installation >40', Add	11.41	
For Work In Restricted Working Space, Add	6.22	
26 05 33 13-1345 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	153.19	11.97
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.79	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.38	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.97	
For Elevated Installation >40', Add	13.16	
For Work In Restricted Working Space, Add	7.18	
26 05 33 13-1346 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	149.09	11.97
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.79	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.38	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.97	
For Elevated Installation >40', Add	13.16	
For Work In Restricted Working Space, Add	7.18	
26 05 33 13-1347 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	156.70	11.97
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.79	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.38	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.97	
For Elevated Installation >40', Add	13.16	
For Work In Restricted Working Space, Add	7.18	
26 05 33 13-1348 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	175.84	11.97
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.79	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.38	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.97	
For Elevated Installation >40', Add	13.16	
For Work In Restricted Working Space, Add	7.18	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1349	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	175.48	14.35
		For Elevated Installation >10' To 15', Add	2.87	
		For Elevated Installation >15' To 20', Add	5.74	
		For Elevated Installation >20' To 25', Add	7.18	
		For Elevated Installation >25' To 30', Add	10.05	
		For Elevated Installation >30' To 35', Add	11.49	
		For Elevated Installation >35' To 40', Add	14.36	
		For Elevated Installation >40', Add	15.80	
		For Work In Restricted Working Space, Add	8.62	
26 05 33 13-1350	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	224.31	19.94
		For Elevated Installation >10' To 15', Add	3.99	
		For Elevated Installation >15' To 20', Add	7.98	
		For Elevated Installation >20' To 25', Add	9.97	
		For Elevated Installation >25' To 30', Add	13.96	
		For Elevated Installation >30' To 35', Add	15.95	
		For Elevated Installation >35' To 40', Add	19.94	
		For Elevated Installation >40', Add	21.93	
		For Work In Restricted Working Space, Add	11.96	
26 05 33 13-1351	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	328.15	23.13
		For Elevated Installation >10' To 15', Add	4.63	
		For Elevated Installation >15' To 20', Add	9.25	
		For Elevated Installation >20' To 25', Add	11.57	
		For Elevated Installation >25' To 30', Add	16.19	
		For Elevated Installation >30' To 35', Add	18.50	
		For Elevated Installation >35' To 40', Add	23.13	
		For Elevated Installation >40', Add	25.44	
		For Work In Restricted Working Space, Add	13.88	
26 05 33 13-1352	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	439.39	31.90
		For Elevated Installation >10' To 15', Add	6.38	
		For Elevated Installation >15' To 20', Add	12.76	
		For Elevated Installation >20' To 25', Add	15.96	
		For Elevated Installation >25' To 30', Add	22.34	
		For Elevated Installation >30' To 35', Add	25.53	
		For Elevated Installation >35' To 40', Add	31.91	
		For Elevated Installation >40', Add	35.10	
		For Work In Restricted Working Space, Add	19.15	
26 05 33 13-1353	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	550.80	43.87
		For Elevated Installation >10' To 15', Add	8.77	
		For Elevated Installation >15' To 20', Add	17.55	
		For Elevated Installation >20' To 25', Add	21.94	
		For Elevated Installation >25' To 30', Add	30.71	
		For Elevated Installation >30' To 35', Add	35.10	
		For Elevated Installation >35' To 40', Add	43.87	
		For Elevated Installation >40', Add	48.26	
		For Work In Restricted Working Space, Add	26.32	
26 05 33 13-1354		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples (26 05 33 13-0843)		
26 05 33 13-1355	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.52	9.57
		For Elevated Installation >10' To 15', Add	1.91	
		For Elevated Installation >15' To 20', Add	3.83	
		For Elevated Installation >20' To 25', Add	4.79	
		For Elevated Installation >25' To 30', Add	6.70	
		For Elevated Installation >30' To 35', Add	7.66	
		For Elevated Installation >35' To 40', Add	9.57	
		For Elevated Installation >40', Add	10.53	
		For Work In Restricted Working Space, Add	5.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.74	
26 05 33 13-1356	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.65	11.97
		For Elevated Installation >10' To 15', Add	2.39	
		For Elevated Installation >15' To 20', Add	4.78	
		For Elevated Installation >20' To 25', Add	5.98	
		For Elevated Installation >25' To 30', Add	8.37	
		For Elevated Installation >30' To 35', Add	9.57	
		For Elevated Installation >35' To 40', Add	11.96	
		For Elevated Installation >40', Add	13.16	
		For Work In Restricted Working Space, Add	7.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33 13-1357	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.07	15.15
		For Elevated Installation >10' To 15', Add	3.03	
		For Elevated Installation >15' To 20', Add	6.06	
		For Elevated Installation >20' To 25', Add	7.58	
		For Elevated Installation >25' To 30', Add	10.61	
		For Elevated Installation >30' To 35', Add	12.12	
		For Elevated Installation >35' To 40', Add	15.16	
		For Elevated Installation >40', Add	16.67	
		For Work In Restricted Working Space, Add	9.09	
		For Personal Protective Equipment (Arc Flash) When Working On Eneraized Equipment, Add	9.09	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1358	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.41	17.55
			For Elevated Installation >10' To 15', Add	3.51	
			For Elevated Installation >15' To 20', Add	7.02	
			For Elevated Installation >20' To 25', Add	8.78	
			For Elevated Installation >25' To 30', Add	12.29	
			For Elevated Installation >30' To 35', Add	14.04	
			For Elevated Installation >35' To 40', Add	17.55	
			For Elevated Installation >40', Add	19.31	
			For Work In Restricted Working Space, Add	10.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33	13-1359	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.99	19.94
			For Elevated Installation >10' To 15', Add	3.99	
			For Elevated Installation >15' To 20', Add	7.98	
			For Elevated Installation >20' To 25', Add	9.97	
			For Elevated Installation >25' To 30', Add	13.96	
			For Elevated Installation >30' To 35', Add	15.95	
			For Elevated Installation >35' To 40', Add	19.94	
			For Elevated Installation >40', Add	21.93	
			For Work In Restricted Working Space, Add	11.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33	13-1360	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.48	10.37
			For Elevated Installation >10' To 15', Add	2.07	
			For Elevated Installation >15' To 20', Add	4.15	
			For Elevated Installation >20' To 25', Add	5.19	
			For Elevated Installation >25' To 30', Add	7.26	
			For Elevated Installation >30' To 35', Add	8.30	
			For Elevated Installation >35' To 40', Add	10.37	
			For Elevated Installation >40', Add	11.41	
			For Work In Restricted Working Space, Add	6.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 05 33	13-1361	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.17	11.97
			For Elevated Installation >10' To 15', Add	2.39	
			For Elevated Installation >15' To 20', Add	4.78	
			For Elevated Installation >20' To 25', Add	5.98	
			For Elevated Installation >25' To 30', Add	8.37	
			For Elevated Installation >30' To 35', Add	9.57	
			For Elevated Installation >35' To 40', Add	11.96	
			For Elevated Installation >40', Add	13.16	
			For Work In Restricted Working Space, Add	7.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33	13-1362	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.61	15.15
			For Elevated Installation >10' To 15', Add	3.03	
			For Elevated Installation >15' To 20', Add	6.06	
			For Elevated Installation >20' To 25', Add	7.58	
			For Elevated Installation >25' To 30', Add	10.61	
			For Elevated Installation >30' To 35', Add	12.12	
			For Elevated Installation >35' To 40', Add	15.16	
			For Elevated Installation >40', Add	16.67	
			For Work In Restricted Working Space, Add	9.09	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.09	
26 05 33	13-1363	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.10	17.55
			For Elevated Installation >10' To 15', Add	3.51	
			For Elevated Installation >15' To 20', Add	7.02	
			For Elevated Installation >20' To 25', Add	8.78	
			For Elevated Installation >25' To 30', Add	12.29	
			For Elevated Installation >30' To 35', Add	14.04	
			For Elevated Installation >35' To 40', Add	17.55	
			For Elevated Installation >40', Add	19.31	
			For Work In Restricted Working Space, Add	10.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33	13-1364	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.88	19.94
			For Elevated Installation >10' To 15', Add	3.99	
			For Elevated Installation >15' To 20', Add	7.98	
			For Elevated Installation >20' To 25', Add	9.97	
			For Elevated Installation >25' To 30', Add	13.96	
			For Elevated Installation >30' To 35', Add	15.95	
			For Elevated Installation >35' To 40', Add	19.94	
			For Elevated Installation >40', Add	21.93	
			For Work In Restricted Working Space, Add	11.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33	13-1365	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.92	22.33
			For Elevated Installation >10' To 15', Add	4.47	
			For Elevated Installation >15' To 20', Add	8.93	
			For Elevated Installation >20' To 25', Add	11.17	
			For Elevated Installation >25' To 30', Add	15.63	
			For Elevated Installation >30' To 35', Add	17.86	
			For Elevated Installation >35' To 40', Add	22.33	
			For Elevated Installation >40', Add	24.56	
			For Work In Restricted Working Space, Add	13.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1366 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.66	10.37
For Elevated Installation >10' To 15', Add	2.07	
For Elevated Installation >15' To 20', Add	4.15	
For Elevated Installation >20' To 25', Add	5.19	
For Elevated Installation >25' To 30', Add	7.26	
For Elevated Installation >30' To 35', Add	8.30	
For Elevated Installation >35' To 40', Add	10.37	
For Elevated Installation >40', Add	11.41	
For Work In Restricted Working Space, Add	6.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 05 33 13-1367 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.34	11.97
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.96	
For Elevated Installation >40', Add	13.16	
For Work In Restricted Working Space, Add	7.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33 13-1368 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.94	15.15
For Elevated Installation >10' To 15', Add	3.03	
For Elevated Installation >15' To 20', Add	6.06	
For Elevated Installation >20' To 25', Add	7.58	
For Elevated Installation >25' To 30', Add	10.61	
For Elevated Installation >30' To 35', Add	12.12	
For Elevated Installation >35' To 40', Add	15.16	
For Elevated Installation >40', Add	16.67	
For Work In Restricted Working Space, Add	9.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.09	
26 05 33 13-1369 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	62.44	17.55
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.77	
For Elevated Installation >25' To 30', Add	12.28	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.30	
For Work In Restricted Working Space, Add	10.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33 13-1370 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	68.23	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-1371 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	74.82	22.33
For Elevated Installation >10' To 15', Add	4.47	
For Elevated Installation >15' To 20', Add	8.93	
For Elevated Installation >20' To 25', Add	11.17	
For Elevated Installation >25' To 30', Add	15.63	
For Elevated Installation >30' To 35', Add	17.86	
For Elevated Installation >35' To 40', Add	22.33	
For Elevated Installation >40', Add	24.56	
For Work In Restricted Working Space, Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	
26 05 33 13-1372 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.04	10.37
For Elevated Installation >10' To 15', Add	2.07	
For Elevated Installation >15' To 20', Add	4.15	
For Elevated Installation >20' To 25', Add	5.19	
For Elevated Installation >25' To 30', Add	7.26	
For Elevated Installation >30' To 35', Add	8.30	
For Elevated Installation >35' To 40', Add	10.37	
For Elevated Installation >40', Add	11.41	
For Work In Restricted Working Space, Add	6.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 05 33 13-1373 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.73	11.97
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.96	
For Elevated Installation >40', Add	13.16	
For Work In Restricted Working Space, Add	7.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1374	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.50	15.15
		For Elevated Installation >10' To 15', Add	3.03	
		For Elevated Installation >15' To 20', Add	6.06	
		For Elevated Installation >20' To 25', Add	7.58	
		For Elevated Installation >25' To 30', Add	10.61	
		For Elevated Installation >30' To 35', Add	12.12	
		For Elevated Installation >35' To 40', Add	15.16	
		For Elevated Installation >40', Add	16.67	
		For Work In Restricted Working Space, Add	9.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.09	
26 05 33 13-1375	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.89	17.55
		For Elevated Installation >10' To 15', Add	3.51	
		For Elevated Installation >15' To 20', Add	7.02	
		For Elevated Installation >20' To 25', Add	8.77	
		For Elevated Installation >25' To 30', Add	12.28	
		For Elevated Installation >30' To 35', Add	14.04	
		For Elevated Installation >35' To 40', Add	17.55	
		For Elevated Installation >40', Add	19.30	
		For Work In Restricted Working Space, Add	10.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33 13-1376	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	69.84	19.94
		For Elevated Installation >10' To 15', Add	3.99	
		For Elevated Installation >15' To 20', Add	7.98	
		For Elevated Installation >20' To 25', Add	9.97	
		For Elevated Installation >25' To 30', Add	13.96	
		For Elevated Installation >30' To 35', Add	15.95	
		For Elevated Installation >35' To 40', Add	19.94	
		For Elevated Installation >40', Add	21.93	
		For Work In Restricted Working Space, Add	11.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-1377	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	77.63	22.33
		For Elevated Installation >10' To 15', Add	4.47	
		For Elevated Installation >15' To 20', Add	8.93	
		For Elevated Installation >20' To 25', Add	11.17	
		For Elevated Installation >25' To 30', Add	15.63	
		For Elevated Installation >30' To 35', Add	17.86	
		For Elevated Installation >35' To 40', Add	22.33	
		For Elevated Installation >40', Add	24.56	
		For Work In Restricted Working Space, Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	
26 05 33 13-1378	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	106.57	27.12
		For Elevated Installation >10' To 15', Add	5.42	
		For Elevated Installation >15' To 20', Add	10.85	
		For Elevated Installation >20' To 25', Add	13.56	
		For Elevated Installation >25' To 30', Add	18.98	
		For Elevated Installation >30' To 35', Add	21.69	
		For Elevated Installation >35' To 40', Add	27.12	
		For Elevated Installation >40', Add	29.83	
		For Work In Restricted Working Space, Add	16.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.27	
26 05 33 13-1379	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	139.01	37.49
		For Elevated Installation >10' To 15', Add	7.50	
		For Elevated Installation >15' To 20', Add	14.99	
		For Elevated Installation >20' To 25', Add	18.74	
		For Elevated Installation >25' To 30', Add	26.24	
		For Elevated Installation >30' To 35', Add	29.99	
		For Elevated Installation >35' To 40', Add	37.49	
		For Elevated Installation >40', Add	41.23	
		For Work In Restricted Working Space, Add	22.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.49	
26 05 33 13-1380	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.22	10.37
		For Elevated Installation >10' To 15', Add	2.07	
		For Elevated Installation >15' To 20', Add	4.15	
		For Elevated Installation >20' To 25', Add	5.19	
		For Elevated Installation >25' To 30', Add	7.26	
		For Elevated Installation >30' To 35', Add	8.30	
		For Elevated Installation >35' To 40', Add	10.37	
		For Elevated Installation >40', Add	11.41	
		For Work In Restricted Working Space, Add	6.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 05 33 13-1381	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.05	11.97
		For Elevated Installation >10' To 15', Add	2.39	
		For Elevated Installation >15' To 20', Add	4.78	
		For Elevated Installation >20' To 25', Add	5.98	
		For Elevated Installation >25' To 30', Add	8.37	
		For Elevated Installation >30' To 35', Add	9.57	
		For Elevated Installation >35' To 40', Add	11.96	
		For Elevated Installation >40', Add	13.16	
		For Work In Restricted Working Space, Add	7.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1382	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	55.85	15.15
		For Elevated Installation >10' To 15', Add		3.03	
		For Elevated Installation >15' To 20', Add		6.06	
		For Elevated Installation >20' To 25', Add		7.58	
		For Elevated Installation >25' To 30', Add		10.61	
		For Elevated Installation >30' To 35', Add		12.12	
		For Elevated Installation >35' To 40', Add		15.16	
		For Elevated Installation >40', Add		16.67	
		For Work In Restricted Working Space, Add		9.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		9.09	
26 05 33 13-1383	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	65.35	17.55
		For Elevated Installation >10' To 15', Add		3.51	
		For Elevated Installation >15' To 20', Add		7.02	
		For Elevated Installation >20' To 25', Add		8.77	
		For Elevated Installation >25' To 30', Add		12.28	
		For Elevated Installation >30' To 35', Add		14.04	
		For Elevated Installation >35' To 40', Add		17.55	
		For Elevated Installation >40', Add		19.30	
		For Work In Restricted Working Space, Add		10.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		10.53	
26 05 33 13-1384	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	71.45	19.94
		For Elevated Installation >10' To 15', Add		3.99	
		For Elevated Installation >15' To 20', Add		7.98	
		For Elevated Installation >20' To 25', Add		9.97	
		For Elevated Installation >25' To 30', Add		13.96	
		For Elevated Installation >30' To 35', Add		15.95	
		For Elevated Installation >35' To 40', Add		19.94	
		For Elevated Installation >40', Add		21.93	
		For Work In Restricted Working Space, Add		11.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		11.96	
26 05 33 13-1385	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	80.45	22.33
		For Elevated Installation >10' To 15', Add		4.47	
		For Elevated Installation >15' To 20', Add		8.93	
		For Elevated Installation >20' To 25', Add		11.17	
		For Elevated Installation >25' To 30', Add		15.63	
		For Elevated Installation >30' To 35', Add		17.86	
		For Elevated Installation >35' To 40', Add		22.33	
		For Elevated Installation >40', Add		24.56	
		For Work In Restricted Working Space, Add		13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		13.40	
26 05 33 13-1386	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	109.05	27.12
		For Elevated Installation >10' To 15', Add		5.42	
		For Elevated Installation >15' To 20', Add		10.85	
		For Elevated Installation >20' To 25', Add		13.56	
		For Elevated Installation >25' To 30', Add		18.98	
		For Elevated Installation >30' To 35', Add		21.69	
		For Elevated Installation >35' To 40', Add		27.12	
		For Elevated Installation >40', Add		29.83	
		For Work In Restricted Working Space, Add		16.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		16.27	
26 05 33 13-1387	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	144.36	37.49
		For Elevated Installation >10' To 15', Add		7.50	
		For Elevated Installation >15' To 20', Add		14.99	
		For Elevated Installation >20' To 25', Add		18.74	
		For Elevated Installation >25' To 30', Add		26.24	
		For Elevated Installation >30' To 35', Add		29.99	
		For Elevated Installation >35' To 40', Add		37.49	
		For Elevated Installation >40', Add		41.23	
		For Work In Restricted Working Space, Add		22.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		22.49	
26 05 33 13-1388	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	171.08	42.28
		For Elevated Installation >10' To 15', Add		8.45	
		For Elevated Installation >15' To 20', Add		16.91	
		For Elevated Installation >20' To 25', Add		21.14	
		For Elevated Installation >25' To 30', Add		29.59	
		For Elevated Installation >30' To 35', Add		33.82	
		For Elevated Installation >35' To 40', Add		42.27	
		For Elevated Installation >40', Add		46.50	
		For Work In Restricted Working Space, Add		25.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		25.36	
26 05 33 13-1389	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	202.65	55.04
		For Elevated Installation >10' To 15', Add		11.01	
		For Elevated Installation >15' To 20', Add		22.01	
		For Elevated Installation >20' To 25', Add		27.52	
		For Elevated Installation >25' To 30', Add		38.52	
		For Elevated Installation >30' To 35', Add		44.02	
		For Elevated Installation >35' To 40', Add		55.03	
		For Elevated Installation >40', Add		60.53	
		For Work In Restricted Working Space, Add		33.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		33.02	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1390 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.55	10.37
For Elevated Installation >10' To 15', Add	2.07	
For Elevated Installation >15' To 20', Add	4.15	
For Elevated Installation >20' To 25', Add	5.19	
For Elevated Installation >25' To 30', Add	7.26	
For Elevated Installation >30' To 35', Add	8.30	
For Elevated Installation >35' To 40', Add	10.37	
For Elevated Installation >40', Add	11.41	
For Work In Restricted Working Space, Add	6.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 05 33 13-1391 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.41	11.97
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.96	
For Elevated Installation >40', Add	13.16	
For Work In Restricted Working Space, Add	7.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33 13-1392 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.23	15.15
For Elevated Installation >10' To 15', Add	3.03	
For Elevated Installation >15' To 20', Add	6.06	
For Elevated Installation >20' To 25', Add	7.58	
For Elevated Installation >25' To 30', Add	10.61	
For Elevated Installation >30' To 35', Add	12.12	
For Elevated Installation >35' To 40', Add	15.16	
For Elevated Installation >40', Add	16.67	
For Work In Restricted Working Space, Add	9.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.09	
26 05 33 13-1393 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.03	17.55
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.77	
For Elevated Installation >25' To 30', Add	12.28	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.30	
For Work In Restricted Working Space, Add	10.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33 13-1394 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.15	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-1395 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	81.98	22.33
For Elevated Installation >10' To 15', Add	4.47	
For Elevated Installation >15' To 20', Add	8.93	
For Elevated Installation >20' To 25', Add	11.17	
For Elevated Installation >25' To 30', Add	15.63	
For Elevated Installation >30' To 35', Add	17.86	
For Elevated Installation >35' To 40', Add	22.33	
For Elevated Installation >40', Add	24.56	
For Work In Restricted Working Space, Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	
26 05 33 13-1396 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	118.95	27.12
For Elevated Installation >10' To 15', Add	5.42	
For Elevated Installation >15' To 20', Add	10.85	
For Elevated Installation >20' To 25', Add	13.56	
For Elevated Installation >25' To 30', Add	18.98	
For Elevated Installation >30' To 35', Add	21.69	
For Elevated Installation >35' To 40', Add	27.12	
For Elevated Installation >40', Add	29.83	
For Work In Restricted Working Space, Add	16.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.27	
26 05 33 13-1397 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	152.37	37.49
For Elevated Installation >10' To 15', Add	7.50	
For Elevated Installation >15' To 20', Add	14.99	
For Elevated Installation >20' To 25', Add	18.74	
For Elevated Installation >25' To 30', Add	26.24	
For Elevated Installation >30' To 35', Add	29.99	
For Elevated Installation >35' To 40', Add	37.49	
For Elevated Installation >40', Add	41.23	
For Work In Restricted Working Space, Add	22.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.49	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1398	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	172.79	42.28
		For Elevated Installation >10' To 15', Add	8.45	
		For Elevated Installation >15' To 20', Add	16.91	
		For Elevated Installation >20' To 25', Add	21.14	
		For Elevated Installation >25' To 30', Add	29.59	
		For Elevated Installation >30' To 35', Add	33.82	
		For Elevated Installation >35' To 40', Add	42.27	
		For Elevated Installation >40', Add	46.50	
		For Work In Restricted Working Space, Add	25.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.36	
26 05 33 13-1399	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	207.22	55.04
		For Elevated Installation >10' To 15', Add	11.01	
		For Elevated Installation >15' To 20', Add	22.01	
		For Elevated Installation >20' To 25', Add	27.52	
		For Elevated Installation >25' To 30', Add	38.52	
		For Elevated Installation >30' To 35', Add	44.02	
		For Elevated Installation >35' To 40', Add	55.03	
		For Elevated Installation >40', Add	60.53	
		For Work In Restricted Working Space, Add	33.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 05 33 13-1400	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	302.67	75.77
		For Elevated Installation >10' To 15', Add	15.15	
		For Elevated Installation >15' To 20', Add	30.31	
		For Elevated Installation >20' To 25', Add	37.89	
		For Elevated Installation >25' To 30', Add	53.04	
		For Elevated Installation >30' To 35', Add	60.62	
		For Elevated Installation >35' To 40', Add	75.77	
		For Elevated Installation >40', Add	83.35	
		For Work In Restricted Working Space, Add	45.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.46	
26 05 33 13-1401	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.18	10.37
		For Elevated Installation >10' To 15', Add	2.07	
		For Elevated Installation >15' To 20', Add	4.15	
		For Elevated Installation >20' To 25', Add	5.19	
		For Elevated Installation >25' To 30', Add	7.26	
		For Elevated Installation >30' To 35', Add	8.30	
		For Elevated Installation >35' To 40', Add	10.37	
		For Elevated Installation >40', Add	11.41	
		For Work In Restricted Working Space, Add	6.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 05 33 13-1402	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.03	11.97
		For Elevated Installation >10' To 15', Add	2.39	
		For Elevated Installation >15' To 20', Add	4.78	
		For Elevated Installation >20' To 25', Add	5.98	
		For Elevated Installation >25' To 30', Add	8.37	
		For Elevated Installation >30' To 35', Add	9.57	
		For Elevated Installation >35' To 40', Add	11.96	
		For Elevated Installation >40', Add	13.16	
		For Work In Restricted Working Space, Add	7.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33 13-1403	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	56.90	15.15
		For Elevated Installation >10' To 15', Add	3.03	
		For Elevated Installation >15' To 20', Add	6.06	
		For Elevated Installation >20' To 25', Add	7.58	
		For Elevated Installation >25' To 30', Add	10.61	
		For Elevated Installation >30' To 35', Add	12.12	
		For Elevated Installation >35' To 40', Add	15.16	
		For Elevated Installation >40', Add	16.67	
		For Work In Restricted Working Space, Add	9.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.09	
26 05 33 13-1404	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	67.28	17.55
		For Elevated Installation >10' To 15', Add	3.51	
		For Elevated Installation >15' To 20', Add	7.02	
		For Elevated Installation >20' To 25', Add	8.77	
		For Elevated Installation >25' To 30', Add	12.28	
		For Elevated Installation >30' To 35', Add	14.04	
		For Elevated Installation >35' To 40', Add	17.55	
		For Elevated Installation >40', Add	19.30	
		For Work In Restricted Working Space, Add	10.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33 13-1405	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	73.66	19.94
		For Elevated Installation >10' To 15', Add	3.99	
		For Elevated Installation >15' To 20', Add	7.98	
		For Elevated Installation >20' To 25', Add	9.97	
		For Elevated Installation >25' To 30', Add	13.96	
		For Elevated Installation >30' To 35', Add	15.95	
		For Elevated Installation >35' To 40', Add	19.94	
		For Elevated Installation >40', Add	21.93	
		For Work In Restricted Working Space, Add	11.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1406	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	83.51	22.33
		For Elevated Installation >10' To 15', Add	4.47	
		For Elevated Installation >15' To 20', Add	8.93	
		For Elevated Installation >20' To 25', Add	11.17	
		For Elevated Installation >25' To 30', Add	15.63	
		For Elevated Installation >30' To 35', Add	17.86	
		For Elevated Installation >35' To 40', Add	22.33	
		For Elevated Installation >40', Add	24.56	
		For Work In Restricted Working Space, Add	13.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	
26 05 33 13-1407	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	128.99	27.12
		For Elevated Installation >10' To 15', Add	5.42	
		For Elevated Installation >15' To 20', Add	10.85	
		For Elevated Installation >20' To 25', Add	13.56	
		For Elevated Installation >25' To 30', Add	18.98	
		For Elevated Installation >30' To 35', Add	21.69	
		For Elevated Installation >35' To 40', Add	27.12	
		For Elevated Installation >40', Add	29.83	
		For Work In Restricted Working Space, Add	16.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.27	
26 05 33 13-1408	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	163.02	37.49
		For Elevated Installation >10' To 15', Add	7.50	
		For Elevated Installation >15' To 20', Add	14.99	
		For Elevated Installation >20' To 25', Add	18.74	
		For Elevated Installation >25' To 30', Add	26.24	
		For Elevated Installation >30' To 35', Add	29.99	
		For Elevated Installation >35' To 40', Add	37.49	
		For Elevated Installation >40', Add	41.23	
		For Work In Restricted Working Space, Add	22.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.49	
26 05 33 13-1409	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	182.38	42.28
		For Elevated Installation >10' To 15', Add	8.45	
		For Elevated Installation >15' To 20', Add	16.91	
		For Elevated Installation >20' To 25', Add	21.14	
		For Elevated Installation >25' To 30', Add	29.59	
		For Elevated Installation >30' To 35', Add	33.82	
		For Elevated Installation >35' To 40', Add	42.27	
		For Elevated Installation >40', Add	46.50	
		For Work In Restricted Working Space, Add	25.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.36	
26 05 33 13-1410	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	223.40	55.04
		For Elevated Installation >10' To 15', Add	11.01	
		For Elevated Installation >15' To 20', Add	22.01	
		For Elevated Installation >20' To 25', Add	27.52	
		For Elevated Installation >25' To 30', Add	38.52	
		For Elevated Installation >30' To 35', Add	44.02	
		For Elevated Installation >35' To 40', Add	55.03	
		For Elevated Installation >40', Add	60.53	
		For Work In Restricted Working Space, Add	33.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 05 33 13-1411	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	326.85	75.77
		For Elevated Installation >10' To 15', Add	15.15	
		For Elevated Installation >15' To 20', Add	30.31	
		For Elevated Installation >20' To 25', Add	37.89	
		For Elevated Installation >25' To 30', Add	53.04	
		For Elevated Installation >30' To 35', Add	60.62	
		For Elevated Installation >35' To 40', Add	75.77	
		For Elevated Installation >40', Add	83.35	
		For Work In Restricted Working Space, Add	45.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.46	
26 05 33 13-1412	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.15	10.37
		For Elevated Installation >10' To 15', Add	2.07	
		For Elevated Installation >15' To 20', Add	4.15	
		For Elevated Installation >20' To 25', Add	5.19	
		For Elevated Installation >25' To 30', Add	7.26	
		For Elevated Installation >30' To 35', Add	8.30	
		For Elevated Installation >35' To 40', Add	10.37	
		For Elevated Installation >40', Add	11.41	
		For Work In Restricted Working Space, Add	6.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 05 33 13-1413	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.99	11.97
		For Elevated Installation >10' To 15', Add	2.39	
		For Elevated Installation >15' To 20', Add	4.78	
		For Elevated Installation >20' To 25', Add	5.98	
		For Elevated Installation >25' To 30', Add	8.37	
		For Elevated Installation >30' To 35', Add	9.57	
		For Elevated Installation >35' To 40', Add	11.96	
		For Elevated Installation >40', Add	13.16	
		For Work In Restricted Working Space, Add	7.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1414 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.41	15.15
For Elevated Installation >10' To 15', Add	3.03	
For Elevated Installation >15' To 20', Add	6.06	
For Elevated Installation >20' To 25', Add	7.58	
For Elevated Installation >25' To 30', Add	10.61	
For Elevated Installation >30' To 35', Add	12.12	
For Elevated Installation >35' To 40', Add	15.16	
For Elevated Installation >40', Add	16.67	
For Work In Restricted Working Space, Add	9.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.09	
26 05 33 13-1415 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.61	17.55
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.77	
For Elevated Installation >25' To 30', Add	12.28	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.30	
For Work In Restricted Working Space, Add	10.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33 13-1416 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	76.72	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-1417 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	90.99	22.33
For Elevated Installation >10' To 15', Add	4.47	
For Elevated Installation >15' To 20', Add	8.93	
For Elevated Installation >20' To 25', Add	11.17	
For Elevated Installation >25' To 30', Add	15.63	
For Elevated Installation >30' To 35', Add	17.86	
For Elevated Installation >35' To 40', Add	22.33	
For Elevated Installation >40', Add	24.56	
For Work In Restricted Working Space, Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	
26 05 33 13-1418 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	141.35	27.12
For Elevated Installation >10' To 15', Add	5.42	
For Elevated Installation >15' To 20', Add	10.85	
For Elevated Installation >20' To 25', Add	13.56	
For Elevated Installation >25' To 30', Add	18.98	
For Elevated Installation >30' To 35', Add	21.69	
For Elevated Installation >35' To 40', Add	27.12	
For Elevated Installation >40', Add	29.83	
For Work In Restricted Working Space, Add	16.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.27	
26 05 33 13-1419 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	177.58	37.49
For Elevated Installation >10' To 15', Add	7.50	
For Elevated Installation >15' To 20', Add	14.99	
For Elevated Installation >20' To 25', Add	18.74	
For Elevated Installation >25' To 30', Add	26.24	
For Elevated Installation >30' To 35', Add	29.99	
For Elevated Installation >35' To 40', Add	37.49	
For Elevated Installation >40', Add	41.23	
For Work In Restricted Working Space, Add	22.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.49	
26 05 33 13-1420 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	206.39	42.28
For Elevated Installation >10' To 15', Add	8.45	
For Elevated Installation >15' To 20', Add	16.91	
For Elevated Installation >20' To 25', Add	21.14	
For Elevated Installation >25' To 30', Add	29.59	
For Elevated Installation >30' To 35', Add	33.82	
For Elevated Installation >35' To 40', Add	42.27	
For Elevated Installation >40', Add	46.50	
For Work In Restricted Working Space, Add	25.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.36	
26 05 33 13-1421 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	247.68	55.04
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.02	
For Elevated Installation >35' To 40', Add	55.03	
For Elevated Installation >40', Add	60.53	
For Work In Restricted Working Space, Add	33.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1422 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	343.43	75.77
For Elevated Installation >10' To 15', Add	15.15	
For Elevated Installation >15' To 20', Add	30.31	
For Elevated Installation >20' To 25', Add	37.89	
For Elevated Installation >25' To 30', Add	53.04	
For Elevated Installation >30' To 35', Add	60.62	
For Elevated Installation >35' To 40', Add	75.77	
For Elevated Installation >40', Add	83.35	
For Work In Restricted Working Space, Add	45.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.46	
26 05 33 13-1423 EA 1 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.18	10.37
For Elevated Installation >10' To 15', Add	2.07	
For Elevated Installation >15' To 20', Add	4.15	
For Elevated Installation >20' To 25', Add	5.19	
For Elevated Installation >25' To 30', Add	7.26	
For Elevated Installation >30' To 35', Add	8.30	
For Elevated Installation >35' To 40', Add	10.37	
For Elevated Installation >40', Add	11.41	
For Work In Restricted Working Space, Add	6.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 05 33 13-1424 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.99	11.97
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.78	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.37	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.96	
For Elevated Installation >40', Add	13.16	
For Work In Restricted Working Space, Add	7.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33 13-1425 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.89	15.15
For Elevated Installation >10' To 15', Add	3.03	
For Elevated Installation >15' To 20', Add	6.06	
For Elevated Installation >20' To 25', Add	7.58	
For Elevated Installation >25' To 30', Add	10.61	
For Elevated Installation >30' To 35', Add	12.12	
For Elevated Installation >35' To 40', Add	15.16	
For Elevated Installation >40', Add	16.67	
For Work In Restricted Working Space, Add	9.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.09	
26 05 33 13-1426 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.13	17.55
For Elevated Installation >10' To 15', Add	3.51	
For Elevated Installation >15' To 20', Add	7.02	
For Elevated Installation >20' To 25', Add	8.77	
For Elevated Installation >25' To 30', Add	12.28	
For Elevated Installation >30' To 35', Add	14.04	
For Elevated Installation >35' To 40', Add	17.55	
For Elevated Installation >40', Add	19.30	
For Work In Restricted Working Space, Add	10.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 33 13-1427 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	84.00	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-1428 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	101.99	22.33
For Elevated Installation >10' To 15', Add	4.47	
For Elevated Installation >15' To 20', Add	8.93	
For Elevated Installation >20' To 25', Add	11.17	
For Elevated Installation >25' To 30', Add	15.63	
For Elevated Installation >30' To 35', Add	17.86	
For Elevated Installation >35' To 40', Add	22.33	
For Elevated Installation >40', Add	24.56	
For Work In Restricted Working Space, Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	
26 05 33 13-1429 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	154.41	27.12
For Elevated Installation >10' To 15', Add	5.42	
For Elevated Installation >15' To 20', Add	10.85	
For Elevated Installation >20' To 25', Add	13.56	
For Elevated Installation >25' To 30', Add	18.98	
For Elevated Installation >30' To 35', Add	21.69	
For Elevated Installation >35' To 40', Add	27.12	
For Elevated Installation >40', Add	29.83	
For Work In Restricted Working Space, Add	16.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.27	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1430	EA		3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	196.24	37.49
			For Elevated Installation >10' To 15', Add	7.50	
			For Elevated Installation >15' To 20', Add	14.99	
			For Elevated Installation >20' To 25', Add	18.74	
			For Elevated Installation >25' To 30', Add	26.24	
			For Elevated Installation >30' To 35', Add	29.99	
			For Elevated Installation >35' To 40', Add	37.49	
			For Elevated Installation >40', Add	41.23	
			For Work In Restricted Working Space, Add	22.49	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.49	
26 05 33 13-1431	EA		3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	231.60	42.28
			For Elevated Installation >10' To 15', Add	8.45	
			For Elevated Installation >15' To 20', Add	16.91	
			For Elevated Installation >20' To 25', Add	21.14	
			For Elevated Installation >25' To 30', Add	29.59	
			For Elevated Installation >30' To 35', Add	33.82	
			For Elevated Installation >35' To 40', Add	42.27	
			For Elevated Installation >40', Add	46.50	
			For Work In Restricted Working Space, Add	25.36	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.36	
26 05 33 13-1432	EA		4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	290.17	55.04
			For Elevated Installation >10' To 15', Add	11.01	
			For Elevated Installation >15' To 20', Add	22.01	
			For Elevated Installation >20' To 25', Add	27.52	
			For Elevated Installation >25' To 30', Add	38.52	
			For Elevated Installation >30' To 35', Add	44.02	
			For Elevated Installation >35' To 40', Add	55.03	
			For Elevated Installation >40', Add	60.53	
			For Work In Restricted Working Space, Add	33.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 05 33 13-1433	EA		5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	376.50	75.77
			For Elevated Installation >10' To 15', Add	15.15	
			For Elevated Installation >15' To 20', Add	30.31	
			For Elevated Installation >20' To 25', Add	37.89	
			For Elevated Installation >25' To 30', Add	53.04	
			For Elevated Installation >30' To 35', Add	60.62	
			For Elevated Installation >35' To 40', Add	75.77	
			For Elevated Installation >40', Add	83.35	
			For Work In Restricted Working Space, Add	45.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.46	
26 05 33 13-1434	EA		1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.24	10.37
			For Elevated Installation >10' To 15', Add	2.07	
			For Elevated Installation >15' To 20', Add	4.15	
			For Elevated Installation >20' To 25', Add	5.19	
			For Elevated Installation >25' To 30', Add	7.26	
			For Elevated Installation >30' To 35', Add	8.30	
			For Elevated Installation >35' To 40', Add	10.37	
			For Elevated Installation >40', Add	11.41	
			For Work In Restricted Working Space, Add	6.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 05 33 13-1435	EA		3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.17	11.97
			For Elevated Installation >10' To 15', Add	2.39	
			For Elevated Installation >15' To 20', Add	4.78	
			For Elevated Installation >20' To 25', Add	5.98	
			For Elevated Installation >25' To 30', Add	8.37	
			For Elevated Installation >30' To 35', Add	9.57	
			For Elevated Installation >35' To 40', Add	11.96	
			For Elevated Installation >40', Add	13.16	
			For Work In Restricted Working Space, Add	7.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33 13-1436	EA		1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.66	15.15
			For Elevated Installation >10' To 15', Add	3.03	
			For Elevated Installation >15' To 20', Add	6.06	
			For Elevated Installation >20' To 25', Add	7.58	
			For Elevated Installation >25' To 30', Add	10.61	
			For Elevated Installation >30' To 35', Add	12.12	
			For Elevated Installation >35' To 40', Add	15.16	
			For Elevated Installation >40', Add	16.67	
			For Work In Restricted Working Space, Add	9.09	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.09	
26 05 33 13-1437	EA		1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	79.57	17.55
			For Elevated Installation >10' To 15', Add	3.51	
			For Elevated Installation >15' To 20', Add	7.02	
			For Elevated Installation >20' To 25', Add	8.77	
			For Elevated Installation >25' To 30', Add	12.28	
			For Elevated Installation >30' To 35', Add	14.04	
			For Elevated Installation >35' To 40', Add	17.55	
			For Elevated Installation >40', Add	19.30	
			For Work In Restricted Working Space, Add	10.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1438 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	92.82	19.94
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.97	
For Elevated Installation >25' To 30', Add	13.96	
For Elevated Installation >30' To 35', Add	15.95	
For Elevated Installation >35' To 40', Add	19.94	
For Elevated Installation >40', Add	21.93	
For Work In Restricted Working Space, Add	11.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-1439 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	110.83	22.33
For Elevated Installation >10' To 15', Add	4.47	
For Elevated Installation >15' To 20', Add	8.93	
For Elevated Installation >20' To 25', Add	11.17	
For Elevated Installation >25' To 30', Add	15.63	
For Elevated Installation >30' To 35', Add	17.86	
For Elevated Installation >35' To 40', Add	22.33	
For Elevated Installation >40', Add	24.56	
For Work In Restricted Working Space, Add	13.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.40	
26 05 33 13-1440 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	171.83	27.12
For Elevated Installation >10' To 15', Add	5.42	
For Elevated Installation >15' To 20', Add	10.85	
For Elevated Installation >20' To 25', Add	13.56	
For Elevated Installation >25' To 30', Add	18.98	
For Elevated Installation >30' To 35', Add	21.69	
For Elevated Installation >35' To 40', Add	27.12	
For Elevated Installation >40', Add	29.83	
For Work In Restricted Working Space, Add	16.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.27	
26 05 33 13-1441 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	224.22	37.49
For Elevated Installation >10' To 15', Add	7.50	
For Elevated Installation >15' To 20', Add	14.99	
For Elevated Installation >20' To 25', Add	18.74	
For Elevated Installation >25' To 30', Add	26.24	
For Elevated Installation >30' To 35', Add	29.99	
For Elevated Installation >35' To 40', Add	37.49	
For Elevated Installation >40', Add	41.23	
For Work In Restricted Working Space, Add	22.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.49	
26 05 33 13-1442 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	247.07	42.28
For Elevated Installation >10' To 15', Add	8.45	
For Elevated Installation >15' To 20', Add	16.91	
For Elevated Installation >20' To 25', Add	21.14	
For Elevated Installation >25' To 30', Add	29.59	
For Elevated Installation >30' To 35', Add	33.82	
For Elevated Installation >35' To 40', Add	42.27	
For Elevated Installation >40', Add	46.50	
For Work In Restricted Working Space, Add	25.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.36	
26 05 33 13-1443 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	303.20	55.04
For Elevated Installation >10' To 15', Add	11.01	
For Elevated Installation >15' To 20', Add	22.01	
For Elevated Installation >20' To 25', Add	27.52	
For Elevated Installation >25' To 30', Add	38.52	
For Elevated Installation >30' To 35', Add	44.02	
For Elevated Installation >35' To 40', Add	55.03	
For Elevated Installation >40', Add	60.53	
For Work In Restricted Working Space, Add	33.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 05 33 13-1444 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	381.22	75.77
For Elevated Installation >10' To 15', Add	15.15	
For Elevated Installation >15' To 20', Add	30.31	
For Elevated Installation >20' To 25', Add	37.89	
For Elevated Installation >25' To 30', Add	53.04	
For Elevated Installation >30' To 35', Add	60.62	
For Elevated Installation >35' To 40', Add	75.77	
For Elevated Installation >40', Add	83.35	
For Work In Restricted Working Space, Add	45.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.46	
26 05 33 13-1445 Aluminum Rigid Conduit (ARC) (26 05 33 13-0059)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1446 Aluminum Rigid Conduit (ARC) With Threaded Coupling (26 05 33 13-1445)		
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2508 for field bending >1".		
26 05 33 13-1447 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.20	2.46
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.92	
For Work In Restricted Working Space, Add	1.84	
26 05 33 13-1448 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	8.18	2.70
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.01	
For Work In Restricted Working Space, Add	2.03	
26 05 33 13-1449 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	9.41	2.95
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.11	
For Work In Restricted Working Space, Add	2.21	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1450 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	10.65 1.20 2.39	3.19
26 05 33 13-1451 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	11.90 1.29 2.58	3.44
26 05 33 13-1452 LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	14.24 1.47 2.94	3.93
26 05 33 13-1453 LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	19.26 1.84 3.68	4.91
26 05 33 13-1454 LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	23.91 2.21 4.42	5.89
26 05 33 13-1455 LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	29.43 2.76 5.52	7.37
26 05 33 13-1456 LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	36.38 3.50 6.99	9.32
26 05 33 13-1457 LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	48.15 4.42 8.84	11.78
26 05 33 13-1458 LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	61.42 5.52 11.04	14.72
26 05 33 13-1459 Aluminum 90 Degree Elbows (26 05 33 13-1445)		
26 05 33 13-1460 EA 1" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	43.29 9.57	12.76
26 05 33 13-1461 EA 1-1/4" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	54.30 10.86	14.48
26 05 33 13-1462 EA 1-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	65.81 12.52	16.69
26 05 33 13-1463 EA 2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	83.31 14.36	19.14
26 05 33 13-1464 EA 2-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	118.03 17.48	23.31
26 05 33 13-1465 EA 3" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	167.75 22.64	30.19
26 05 33 13-1466 EA 3-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	228.61 25.40	33.87
26 05 33 13-1467 EA 4" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	276.81 31.84	42.46
26 05 33 13-1468 EA 5" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	677.67 51.91	69.21
26 05 33 13-1469 EA 6" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	958.36 78.05	104.06
26 05 33 13-1470 Aluminum Bushing Set With Locknut (26 05 33 13-1445)		
26 05 33 13-1471 EA 1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.14 3.68 3.68	4.91
26 05 33 13-1472 EA 3/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45 4.79 4.79	6.38
26 05 33 13-1473 EA 1" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.20 5.89 5.89	7.86
26 05 33 13-1474 EA 1-1/4" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.71 6.63 6.63	8.84
26 05 33 13-1475 EA 1-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.79 8.10 8.10	10.79
26 05 33 13-1476 EA 2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.83 9.75 9.75	13.01
26 05 33 13-1477 EA 2-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.36 11.60 11.60	15.47
26 05 33 13-1478 EA 3" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.17 13.25 13.25	17.67
26 05 33 13-1479 EA 3-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.11 14.36 14.36	19.14
26 05 33 13-1480 EA 4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.65 15.46 15.46	20.62

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1481	EA	5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.11 20.62 20.62	27.48
26 05 33 13-1482	EA	6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.86 30.92 30.92	41.23
26 05 33 13-1483		Schedule 40 Polyvinyl Chloride (PVC) Conduit (26 05 33 13-0059) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1484		Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings (26 05 33 13-1483) Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2518 for field bending >1".		
26 05 33 13-1485	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.69 0.49 0.83	1.85
26 05 33 13-1486	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.49 0.60 1.00	2.03
26 05 33 13-1487	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.04 0.82 1.33	2.37
26 05 33 13-1488	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.58 1.04 1.66	2.71
26 05 33 13-1489	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	11.27 1.23 1.96	3.16
26 05 33 13-1490	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	13.45 1.55 2.45	3.62
26 05 33 13-1491	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.79 2.30 3.54	4.30
26 05 33 13-1492	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	20.83 2.72 4.18	4.98
26 05 33 13-1493	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	25.42 3.42 5.22	5.88
26 05 33 13-1494	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	29.88 3.85 5.93	7.24
26 05 33 13-1495	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	42.62 5.57 8.55	10.18
26 05 33 13-1496	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	56.61 7.37 11.33	13.57
26 05 33 13-1497		Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows (26 05 33 13-1483) See CSI section 26 05 33 13-2518 for conduit field bending.		
26 05 33 13-1498	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	24.02 1.48 2.75	9.04
26 05 33 13-1499	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	26.56 1.66 3.08	9.96
26 05 33 13-1500	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	30.89 2.07 3.74	11.31
26 05 33 13-1501	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	39.98 2.76 4.94	14.48
26 05 33 13-1502	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	50.37 3.54 6.32	18.10
26 05 33 13-1503	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	63.66 4.61 8.14	22.63
26 05 33 13-1504	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	80.38 6.52 11.17	27.14



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1505	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	99.57 9.06 15.05	31.67
26 05 33 13-1506	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	124.47 11.89 19.53	38.46
26 05 33 13-1507	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	149.55 14.77 24.07	45.24
26 05 33 13-1508	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	205.73 23.16 36.66	56.55
26 05 33 13-1509	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	251.68 28.99 45.67	67.87
26 05 33 13-1510 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows (26 05 33 13-1483)				
See CSI section 26 05 33 13-2518 for conduit field bending.				
26 05 33 13-1511	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	24.02 1.48 2.75	9.04
26 05 33 13-1512	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	26.46 1.64 3.04	9.96
26 05 33 13-1513	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	30.75 2.03 3.70	11.31
26 05 33 13-1514	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	39.58 2.66 4.80	14.48
26 05 33 13-1515	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	49.46 3.32 6.00	18.10
26 05 33 13-1516	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	63.18 4.49 7.98	22.63
26 05 33 13-1517	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	79.48 6.30 10.85	27.14
26 05 33 13-1518	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	98.43 8.77 14.66	31.67
26 05 33 13-1519	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	121.27 11.09 18.41	38.46
26 05 33 13-1520	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	146.80 14.08 23.10	45.24
26 05 33 13-1521	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	202.16 22.26 35.41	56.55
26 05 33 13-1522	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2518 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	241.05 26.33 41.95	67.87
26 05 33 13-1523 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow (26 05 33 13-1493)				
26 05 33 13-1524	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	100.17 19.90	30.31
26 05 33 13-1525	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	117.50 23.58	35.10
26 05 33 13-1526	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	132.99 26.61	39.88
26 05 33 13-1527	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	159.05 33.73	43.87
26 05 33 13-1528	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	209.89 45.94	55.04

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1529	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	273.29 58.16	74.97
26 05 33 13-1530	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	330.78 73.50	84.54
26 05 33 13-1531	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	393.55 82.71	110.07
26 05 33 13-1532 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow (26 05 33 13-1483)				
26 05 33 13-1533	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	107.43 22.45	30.31
26 05 33 13-1534	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	134.98 29.70	35.10
26 05 33 13-1535	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	158.00 35.36	39.88
26 05 33 13-1536	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	171.44 38.07	43.87
26 05 33 13-1537	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	248.06 59.30	55.04
26 05 33 13-1538	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	328.79 77.59	74.97
26 05 33 13-1539	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	364.95 85.46	84.54
26 05 33 13-1540	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	434.91 97.18	110.07
26 05 33 13-1541 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow (26 05 33 13-1483)				
26 05 33 13-1542	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	127.01 29.30	30.31
26 05 33 13-1543	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	143.18 32.57	35.10
26 05 33 13-1544	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	162.82 37.05	39.88
26 05 33 13-1545	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	194.79 46.24	43.87
26 05 33 13-1546	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	262.28 64.28	55.04
26 05 33 13-1547	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	340.73 81.77	74.97
26 05 33 13-1548	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	410.44 101.38	84.54
26 05 33 13-1549	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	475.77 111.48	110.07
26 05 33 13-1550 Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow (26 05 33 13-1483)				
26 05 33 13-1551	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	131.01 30.70	30.31
26 05 33 13-1552	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	167.45 41.06	35.10
26 05 33 13-1553	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	182.07 43.78	39.88
26 05 33 13-1554	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	195.66 46.55	43.87
26 05 33 13-1555	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	293.59 75.24	55.04
26 05 33 13-1556	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	410.90 106.33	74.97
26 05 33 13-1557	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	474.35 123.75	84.54
26 05 33 13-1558	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	551.45 137.97	110.07
26 05 33 13-1559	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	881.51 218.80	179.16
26 05 33 13-1560	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	1,288.79 316.28	269.97
26 05 33 13-1561 Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow (26 05 33 13-1483)				
26 05 33 13-1562	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	146.37 36.07	30.31
26 05 33 13-1563	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	171.56 42.50	35.10
26 05 33 13-1564	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	194.43 48.11	39.88
26 05 33 13-1565	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	238.33 61.48	43.87
26 05 33 13-1566	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	324.15 85.94	55.04



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1567 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow For Schedule 80, Add	461.10 123.90	74.97
26 05 33 13-1568 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow For Schedule 80, Add	522.34 140.54	84.54
26 05 33 13-1569 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow For Schedule 80, Add	634.75 167.13	110.07
26 05 33 13-1570 EA 5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow For Schedule 80, Add	930.25 235.86	179.16
26 05 33 13-1571 EA 6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow For Schedule 80, Add	1,328.25 330.09	269.97
26 05 33 13-1572 Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-1483)		
26 05 33 13-1573 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.48 4.75	6.33
26 05 33 13-1574 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.97 5.43	7.24
26 05 33 13-1575 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.56 6.11	8.14
26 05 33 13-1576 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.29 6.79	9.04
26 05 33 13-1577 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.08 8.48	11.31
26 05 33 13-1578 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.52 10.18	13.57
26 05 33 13-1579 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.97 13.57	18.10
26 05 33 13-1580 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.98 16.97	22.63
26 05 33 13-1581 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.68 22.06	29.41
26 05 33 13-1582 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.02 27.14	36.20
26 05 33 13-1583 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	130.39 33.93	45.24
26 05 33 13-1584 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	162.25 42.41	56.55
26 05 33 13-1585 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1483)		
26 05 33 13-1586 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.77 4.07	5.43
26 05 33 13-1587 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.42 4.75	6.33
26 05 33 13-1588 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.09 5.43	7.24
26 05 33 13-1589 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.58 6.11	8.14
26 05 33 13-1590 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.87 6.79	9.04
26 05 33 13-1591 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.18 7.80	10.41
26 05 33 13-1592 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.76 8.82	11.76
26 05 33 13-1593 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.46 10.18	13.57
26 05 33 13-1594 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.36 11.88	15.84
26 05 33 13-1595 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.42 13.57	18.10
26 05 33 13-1596 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.86 15.27	20.36
26 05 33 13-1597 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.81 16.97	22.63
26 05 33 13-1598 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1483)		
26 05 33 13-1599 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.94 5.22	
26 05 33 13-1600 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.72 6.26	
26 05 33 13-1601 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.22 6.95	
26 05 33 13-1602 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.20 7.74	
26 05 33 13-1603 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.86 8.48	11.31
26 05 33 13-1604 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.21 10.18	13.57
26 05 33 13-1605 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.36 13.57	18.10
26 05 33 13-1606 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.13 16.97	22.63

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1607 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	80.59	29.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.06	
26 05 33 13-1608 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	97.91	36.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.14	
26 05 33 13-1609 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	128.20	45.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.93	
26 05 33 13-1610 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	159.61	56.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.41	
26 05 33 13-1611 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover (26 05 33 13-1483)		
26 05 33 13-1612 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	51.19	18.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.57	
26 05 33 13-1613 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	59.32	20.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.27	
26 05 33 13-1614 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	65.87	22.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.97	
26 05 33 13-1615 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	81.18	27.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.36	
26 05 33 13-1616 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	100.42	33.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.45	
26 05 33 13-1617 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	129.44	40.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.54	
26 05 33 13-1618 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	216.55	45.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.93	
26 05 33 13-1619 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	231.48	49.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.33	
26 05 33 13-1620 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	252.04	56.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.41	
26 05 33 13-1621 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	281.92	65.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.20	
26 05 33 13-1622 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover (26 05 33 13-1483)		
26 05 33 13-1623 EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	69.28	24.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 05 33 13-1624 EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	77.43	26.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.25	
26 05 33 13-1625 EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	83.80	29.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.09	
26 05 33 13-1626 EA 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	104.24	34.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.77	
26 05 33 13-1627 EA 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	125.98	41.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 05 33 13-1628 EA 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	154.41	49.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.81	
26 05 33 13-1629 Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-1483)		
26 05 33 13-1630 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	107.26	22.63
26 05 33 13-1631 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	119.87	27.14
26 05 33 13-1632 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	133.23	31.67
26 05 33 13-1633 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	145.83	36.20
26 05 33 13-1634 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	158.14	40.71
26 05 33 13-1635 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	172.90	45.24
26 05 33 13-1636 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	210.90	52.03
26 05 33 13-1637 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	251.91	58.81
26 05 33 13-1638 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	294.65	67.87
26 05 33 13-1639 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	350.22	79.18
26 05 33 13-1640 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	461.30	95.01
26 05 33 13-1641 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	605.97	122.15
26 05 33 13-1642 Polyvinyl Chloride (PVC) Conduit End Caps (26 05 33 13-1483)		
26 05 33 13-1643 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	13.98	4.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39	
26 05 33 13-1644 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	16.55	5.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1645 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap.....	19.06	6.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
26 05 33 13-1646 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	22.73	7.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-1647 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	26.45	8.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-1648 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap.....	31.15	9.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.79	
26 05 33 13-1649 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	44.01	10.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.80	
26 05 33 13-1650 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap.....	48.28	11.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
26 05 33 13-1651	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.37 9.84		13.12
26 05 33 13-1652	EA 4" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.95 10.52		14.02
26 05 33 13-1653	EA 5" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.98 11.88		15.84
26 05 33 13-1654	EA 6" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.44 13.57		18.10
26 05 33 13-1655 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-1483)				
26 05 33 13-1656	EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.66 30.54		40.71
26 05 33 13-1657	EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.34 20.36		27.14
26 05 33 13-1658	EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	353.66 33.93		45.24
26 05 33 13-1659	EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.43 49.20		65.60
26 05 33 13-1660 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0059) Note: Exposed installation. Excludes supporting strap, hanger and fastening.				
26 05 33 13-1661 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1660) Note: Includes field bending conduit up to and including 1".				
26 05 33 13-1662	LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.52		1.85
26 05 33 13-1663	LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.46		2.03
26 05 33 13-1664	LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.56		2.35
26 05 33 13-1665	LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.66		2.71
26 05 33 13-1666	LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.19		3.16
26 05 33 13-1667	LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.45		3.62
26 05 33 13-1668	LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.23		4.30
26 05 33 13-1669	LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	20.22		4.98
26 05 33 13-1670	LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.45		5.88
26 05 33 13-1671	LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	27.82		7.24
26 05 33 13-1672	LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	37.60		10.18
26 05 33 13-1673	LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	49.12		13.57
26 05 33 13-1674 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1660)				
26 05 33 13-1675	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	94.40 6.51 9.44 12.37		9.04
26 05 33 13-1676	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	105.23 7.27 10.52 13.78		9.96
26 05 33 13-1677	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	109.43 7.50 10.94 14.39		11.31
26 05 33 13-1678	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	118.15 7.96 11.82 15.67		14.48
26 05 33 13-1679	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	128.01 8.47 12.80 17.13		18.10
26 05 33 13-1680	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	150.73 9.89 15.07 20.26		22.63
26 05 33 13-1681	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	180.60 11.85 18.06 24.27		27.14
26 05 33 13-1682	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	214.45 14.10 21.45 28.79		31.67

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1683	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	248.32	38.46
		For 24" Radius, Add	16.22	
		For 36" Radius, Add	24.83	
		For 48" Radius, Add	33.44	
26 05 33 13-1684	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	282.20	45.24
		For 24" Radius, Add	18.34	
		For 36" Radius, Add	28.22	
		For 48" Radius, Add	38.10	
26 05 33 13-1685	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	352.75	56.55
		For 24" Radius, Add	22.92	
		For 36" Radius, Add	35.28	
		For 48" Radius, Add	47.63	
26 05 33 13-1686	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	433.87	67.87
		For 24" Radius, Add	28.30	
		For 36" Radius, Add	43.39	
		For 48" Radius, Add	58.48	
26 05 33 13-1687 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1660)				
26 05 33 13-1688	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	81.48	9.04
		For 24" Radius, Add	5.55	
		For 36" Radius, Add	8.15	
		For 48" Radius, Add	10.75	
26 05 33 13-1689	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	90.76	9.96
		For 24" Radius, Add	6.19	
		For 36" Radius, Add	9.08	
		For 48" Radius, Add	11.97	
26 05 33 13-1690	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	94.82	11.31
		For 24" Radius, Add	6.40	
		For 36" Radius, Add	9.48	
		For 48" Radius, Add	12.56	
26 05 33 13-1691	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	103.40	14.48
		For 24" Radius, Add	6.85	
		For 36" Radius, Add	10.34	
		For 48" Radius, Add	13.83	
26 05 33 13-1692	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	113.11	18.10
		For 24" Radius, Add	7.35	
		For 36" Radius, Add	11.31	
		For 48" Radius, Add	15.27	
26 05 33 13-1693	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	133.78	22.63
		For 24" Radius, Add	8.62	
		For 36" Radius, Add	13.38	
		For 48" Radius, Add	18.14	
26 05 33 13-1694	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	160.31	27.14
		For 24" Radius, Add	10.33	
		For 36" Radius, Add	16.03	
		For 48" Radius, Add	21.74	
26 05 33 13-1695	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	190.10	31.67
		For 24" Radius, Add	12.28	
		For 36" Radius, Add	19.01	
		For 48" Radius, Add	25.74	
26 05 33 13-1696	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	220.93	38.46
		For 24" Radius, Add	14.17	
		For 36" Radius, Add	22.09	
		For 48" Radius, Add	30.02	
26 05 33 13-1697	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	251.77	45.24
		For 24" Radius, Add	16.06	
		For 36" Radius, Add	25.18	
		For 48" Radius, Add	34.30	
26 05 33 13-1698	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	314.70	56.55
		For 24" Radius, Add	20.07	
		For 36" Radius, Add	31.47	
		For 48" Radius, Add	42.87	
26 05 33 13-1699	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	386.31	67.87
		For 24" Radius, Add	24.73	
		For 36" Radius, Add	38.63	
		For 48" Radius, Add	52.53	
26 05 33 13-1700 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1660)				
26 05 33 13-1701	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	75.62	8.14
		For 24" Radius, Add	5.16	
		For 36" Radius, Add	7.56	
		For 48" Radius, Add	9.96	
26 05 33 13-1702	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	84.27	8.95
		For 24" Radius, Add	5.76	
		For 36" Radius, Add	8.43	
		For 48" Radius, Add	11.09	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1703	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	87.95	10.18
		For 24" Radius, Add	5.96	
		For 36" Radius, Add	8.80	
		For 48" Radius, Add	11.63	
26 05 33 13-1704	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	95.67	13.03
		For 24" Radius, Add	6.36	
		For 36" Radius, Add	9.57	
		For 48" Radius, Add	12.77	
26 05 33 13-1705	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	104.44	16.29
		For 24" Radius, Add	6.82	
		For 36" Radius, Add	10.44	
		For 48" Radius, Add	14.07	
26 05 33 13-1706	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	123.42	20.36
		For 24" Radius, Add	7.98	
		For 36" Radius, Add	12.34	
		For 48" Radius, Add	16.70	
26 05 33 13-1707	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	147.88	24.43
		For 24" Radius, Add	9.56	
		For 36" Radius, Add	14.79	
		For 48" Radius, Add	20.01	
26 05 33 13-1708	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	175.42	28.51
		For 24" Radius, Add	11.38	
		For 36" Radius, Add	17.54	
		For 48" Radius, Add	23.71	
26 05 33 13-1709	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	203.71	34.61
		For 24" Radius, Add	13.12	
		For 36" Radius, Add	20.37	
		For 48" Radius, Add	27.63	
26 05 33 13-1710	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	232.00	40.71
		For 24" Radius, Add	14.86	
		For 36" Radius, Add	23.20	
		For 48" Radius, Add	31.55	
26 05 33 13-1711	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	290.00	50.90
		For 24" Radius, Add	18.57	
		For 36" Radius, Add	29.00	
		For 48" Radius, Add	39.43	
26 05 33 13-1712	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	356.13	61.08
		For 24" Radius, Add	22.89	
		For 36" Radius, Add	35.61	
		For 48" Radius, Add	48.33	
26 05 33 13-1713		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1660)		
26 05 33 13-1714	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	72.03	8.14
		For 24" Radius, Add	4.89	
		For 36" Radius, Add	7.20	
		For 48" Radius, Add	9.51	
26 05 33 13-1715	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	80.25	8.95
		For 24" Radius, Add	5.46	
		For 36" Radius, Add	8.03	
		For 48" Radius, Add	10.59	
26 05 33 13-1716	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	83.89	10.18
		For 24" Radius, Add	5.66	
		For 36" Radius, Add	8.39	
		For 48" Radius, Add	11.12	
26 05 33 13-1717	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	91.58	13.03
		For 24" Radius, Add	6.05	
		For 36" Radius, Add	9.16	
		For 48" Radius, Add	12.26	
26 05 33 13-1718	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	100.30	16.29
		For 24" Radius, Add	6.50	
		For 36" Radius, Add	10.03	
		For 48" Radius, Add	13.56	
26 05 33 13-1719	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	118.71	20.36
		For 24" Radius, Add	7.63	
		For 36" Radius, Add	11.87	
		For 48" Radius, Add	16.11	
26 05 33 13-1720	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	142.24	24.43
		For 24" Radius, Add	9.14	
		For 36" Radius, Add	14.22	
		For 48" Radius, Add	19.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1721 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	168.66	28.51
For 24" Radius, Add	10.87	
For 36" Radius, Add	16.87	
For 48" Radius, Add	22.86	
26 05 33 13-1722 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	196.10	34.61
For 24" Radius, Add	12.54	
For 36" Radius, Add	19.61	
For 48" Radius, Add	26.68	
26 05 33 13-1723 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	223.55	40.71
For 24" Radius, Add	14.22	
For 36" Radius, Add	22.36	
For 48" Radius, Add	30.49	
26 05 33 13-1724 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	279.43	50.90
For 24" Radius, Add	17.78	
For 36" Radius, Add	27.94	
For 48" Radius, Add	38.11	
26 05 33 13-1725 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	342.92	61.08
For 24" Radius, Add	21.90	
For 36" Radius, Add	34.29	
For 48" Radius, Add	46.68	
26 05 33 13-1726 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-1660)		
26 05 33 13-1727 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	45.55	6.33
26 05 33 13-1728 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	51.21	7.24
26 05 33 13-1729 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	53.81	8.14
26 05 33 13-1730 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	56.36	9.04
26 05 33 13-1731 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	62.68	11.31
26 05 33 13-1732 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	74.91	13.57
26 05 33 13-1733 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	94.56	18.10
26 05 33 13-1734 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	115.73	22.63
26 05 33 13-1735 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	140.10	29.41
26 05 33 13-1736 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	164.46	36.20
26 05 33 13-1737 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	205.58	45.24
26 05 33 13-1738 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	256.93	56.55
26 05 33 13-1739 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-1660)		
26 05 33 13-1740 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	32.60	6.33
26 05 33 13-1741 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	36.73	7.24
26 05 33 13-1742 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	39.19	8.14
26 05 33 13-1743 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	41.65	9.04
26 05 33 13-1744 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	47.49	11.31
26 05 33 13-1745 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	53.26	13.57
26 05 33 13-1746 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	68.43	18.10
26 05 33 13-1747 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	84.40	22.63
26 05 33 13-1748 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	104.84	29.41
26 05 33 13-1749 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	125.28	36.20
26 05 33 13-1750 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	156.65	45.24
26 05 33 13-1751 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	195.77	56.55
26 05 33 13-1752 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-1660)		
26 05 33 13-1753 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	36.68	5.20
26 05 33 13-1754 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	41.27	7.24
26 05 33 13-1755 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	43.78	8.14
26 05 33 13-1756 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	46.19	9.04
26 05 33 13-1757 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	52.37	11.31
26 05 33 13-1758 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	62.62	13.57
26 05 33 13-1759 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	79.65	18.10
26 05 33 13-1760 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	97.84	22.63
26 05 33 13-1761 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	119.96	29.41
26 05 33 13-1762 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	142.08	36.20
26 05 33 13-1763 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	177.59	45.24
26 05 33 13-1764 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	222.01	56.55
26 05 33 13-1765 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-1660)		
26 05 33 13-1766 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	79.52	22.63
26 05 33 13-1767 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	93.35	27.14
26 05 33 13-1768 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	104.94	31.67
26 05 33 13-1769 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	116.41	36.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1770 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	128.32	40.71
26 05 33 13-1771 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	144.67	45.24
26 05 33 13-1772 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	167.96	52.03
26 05 33 13-1773 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	192.50	58.81
26 05 33 13-1774 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	220.80	67.87
26 05 33 13-1775 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	254.76	79.18
26 05 33 13-1776 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	297.24	90.48
26 05 33 13-1777 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	343.26	101.80
26 05 33 13-1778 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-1660)		
26 05 33 13-1779 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	88.84	22.63
26 05 33 13-1780 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	103.80	27.14
26 05 33 13-1781 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	115.45	31.67
26 05 33 13-1782 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	127.03	36.20
26 05 33 13-1783 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	139.03	40.71
26 05 33 13-1784 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	156.90	45.24
26 05 33 13-1785 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	182.64	52.03
26 05 33 13-1786 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	210.11	58.81
26 05 33 13-1787 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	240.62	67.87
26 05 33 13-1788 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	276.79	79.18
26 05 33 13-1789 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	324.86	90.48
26 05 33 13-1790 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	377.79	101.80
26 05 33 13-1791 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters (26 05 33 13-1660)		
26 05 33 13-1792 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	92.63	6.33
26 05 33 13-1793 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	103.41	7.24
26 05 33 13-1794 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	108.29	8.14
26 05 33 13-1795 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	113.29	9.04
26 05 33 13-1796 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	120.34	11.31
26 05 33 13-1797 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	134.76	13.57
26 05 33 13-1798 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	166.25	18.10
26 05 33 13-1799 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	201.69	22.63
26 05 33 13-1800 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	236.81	29.41
26 05 33 13-1801 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	271.92	36.20
26 05 33 13-1802 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	339.97	45.24
26 05 33 13-1803 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	423.20	56.55
26 05 33 13-1804 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-1660)		
26 05 33 13-1805 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	105.06	22.63
26 05 33 13-1806 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	121.78	27.14
26 05 33 13-1807 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	145.78	31.67
26 05 33 13-1808 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	180.27	36.20
26 05 33 13-1809 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	224.89	40.71
26 05 33 13-1810 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	295.54	45.24
26 05 33 13-1811 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	417.14	52.03
26 05 33 13-1812 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	503.00	58.81
26 05 33 13-1813 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	607.43	67.87
26 05 33 13-1814 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	717.53	79.18
26 05 33 13-1815 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	843.41	90.48
26 05 33 13-1816 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	1,302.27	101.80
26 05 33 13-1817 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover (26 05 33 13-1660)		
26 05 33 13-1818 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	88.18	18.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.57	
26 05 33 13-1819 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	102.11	20.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.27	
26 05 33 13-1820 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	134.63	22.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.97	
26 05 33 13-1821 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	164.32	27.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.36	
26 05 33 13-1822 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	208.84	33.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.45	
26 05 33 13-1823 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	285.52	40.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.54	
26 05 33 13-1824 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	463.25	47.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.63	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1825 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	595.04	54.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.72	
26 05 33 13-1826 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	715.25	63.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.51	
26 05 33 13-1827 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	835.49	72.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.29	
26 05 33 13-1828 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	984.40	81.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.08	
26 05 33 13-1829 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,116.12	90.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.87	
26 05 33 13-1830 Explosion Proof Conduit Fittings (26 05 33 13-0059) Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1831 Explosion Proof Malleable Iron Conduit Unions (26 05 33 13-1830)		
26 05 33 13-1832 EA 1/2" Explosion Proof Malleable Iron Conduit Union	48.09	10.23
26 05 33 13-1833 EA 3/4" Explosion Proof Malleable Iron Conduit Union	59.25	11.30
26 05 33 13-1834 EA 1" Explosion Proof Malleable Iron Conduit Union	93.94	15.06
26 05 33 13-1835 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union	124.28	16.68
26 05 33 13-1836 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union	156.38	20.44
26 05 33 13-1837 EA 2" Explosion Proof Malleable Iron Conduit Union	194.79	23.67
26 05 33 13-1838 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union	296.39	33.85
26 05 33 13-1839 EA 3" Explosion Proof Malleable Iron Conduit Union	376.64	40.29
26 05 33 13-1840 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union	632.02	48.35
26 05 33 13-1841 EA 4" Explosion Proof Malleable Iron Conduit Union	670.60	61.78
26 05 33 13-1842 Explosion Proof Malleable Iron Conduit Bodies (26 05 33 13-1830)		
26 05 33 13-1843 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	170.19	32.28
26 05 33 13-1844 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	191.85	36.59
26 05 33 13-1845 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	224.64	40.35
26 05 33 13-1846 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	192.07	40.35
26 05 33 13-1847 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	228.83	48.42
26 05 33 13-1848 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body	270.80	55.41
26 05 33 13-1849 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1830) Note: Includes sealing gasket and lock nut.		
26 05 33 13-1850 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	140.77	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.18	
26 05 33 13-1851 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	143.85	30.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.60	
26 05 33 13-1852 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	157.03	32.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.61	
26 05 33 13-1853 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	201.83	40.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.26	
26 05 33 13-1854 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	257.64	47.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.51	
26 05 33 13-1855 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	331.12	53.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.35	
26 05 33 13-1856 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	471.45	80.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.44	
26 05 33 13-1857 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	595.88	101.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.75	
26 05 33 13-1858 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	841.58	111.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.41	
26 05 33 13-1859 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	1,085.89	120.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.66	
26 05 33 13-1860 Explosion Proof Flexible Conduit Couplings (26 05 33 13-1830)		
26 05 33 13-1861 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling	377.37	12.37
26 05 33 13-1862 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling	493.74	13.99
26 05 33 13-1863 Flexible Conduit (26 05 33 13-0058)		
26 05 33 13-1864 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-1863) Note: Steel inner core with PVC cover.		
26 05 33 13-1865 Flexible Liquid Tight Metallic Conduit (26 05 33 13-1864)		
26 05 33 13-1866 LF 3/8" Flexible Liquid Tight Metallic Conduit	5.10	1.47
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.55	
For Work In Restricted Working Space, Add	1.10	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1867 LF 1/2" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	5.31 0.55 1.10	1.47
26 05 33 13-1868 LF 3/4" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	7.12 0.74 1.47	1.96
26 05 33 13-1869 LF 1" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	8.25 0.74 1.47	1.96
26 05 33 13-1870 LF 1-1/4" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	10.68 0.92 1.84	2.46
26 05 33 13-1871 LF 1-1/2" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	13.75 1.11 2.21	2.95
26 05 33 13-1872 LF 2" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	18.07 1.47 2.94	3.93
26 05 33 13-1873 LF 2-1/2" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	24.69 1.66 3.32	4.42
26 05 33 13-1874 LF 3" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	36.44 2.03 4.05	5.40
26 05 33 13-1875 LF 4" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	49.93 2.58 5.15	6.88
26 05 33 13-1876 Straight Liquid Tight Connector (26 05 33 13-1864)		
26 05 33 13-1877 EA 3/8" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86 2.94 2.94	3.93
26 05 33 13-1878 EA 1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86 2.94 2.94	3.93
26 05 33 13-1879 EA 3/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.85 3.32 3.32	4.42
26 05 33 13-1880 EA 1" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.62 3.68 3.68	4.91
26 05 33 13-1881 EA 1-1/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.14 4.05 4.05	5.40
26 05 33 13-1882 EA 1-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.04 4.42 4.42	5.89
26 05 33 13-1883 EA 2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.18 5.15 5.15	6.88
26 05 33 13-1884 EA 2-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.45 6.63 6.63	8.84
26 05 33 13-1885 EA 3" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	227.73 6.99 6.99	9.32
26 05 33 13-1886 EA 4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.49 10.31 10.31	13.74
26 05 33 13-1887 90 Degree Angle Liquid Tight Connector (26 05 33 13-1864)		
26 05 33 13-1888 EA 3/8" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.26 4.05 4.05	5.40
26 05 33 13-1889 EA 1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13 4.05 4.05	5.40
26 05 33 13-1890 EA 3/4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.90 4.42 4.42	5.89
26 05 33 13-1891 EA 1" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.87 5.15 5.15	6.88
26 05 33 13-1892 EA 1-1/4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.80 5.52 5.52	7.37
26 05 33 13-1893 EA 1-1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.05 5.89 5.89	7.86
26 05 33 13-1894 EA 2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.02 6.63 6.63	8.84

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1895 EA 2-1/2" 90 Degree Angle Liquid Tight Connector.....	246.83	9.32
For Work In Restricted Working Space, Add	6.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.99	
26 05 33 13-1896 EA 3" 90 Degree Angle Liquid Tight Connector.....	291.69	10.79
For Work In Restricted Working Space, Add	8.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.10	
26 05 33 13-1897 EA 4" 90 Degree Angle Liquid Tight Connector.....	403.27	17.18
For Work In Restricted Working Space, Add	12.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 05 33 13-1898 45 Degree Angle Connector (26 05 33 13-1864)		
26 05 33 13-1899 EA 3/8" 45 Degree Angle Liquid Tight Connector.....	19.97	5.40
For Work In Restricted Working Space, Add	4.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.05	
26 05 33 13-1900 EA 1/2" 45 Degree Angle Liquid Tight Connector.....	20.17	5.40
For Work In Restricted Working Space, Add	4.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.05	
26 05 33 13-1901 EA 3/4" 45 Degree Angle Liquid Tight Connector.....	23.90	5.89
For Work In Restricted Working Space, Add	4.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.42	
26 05 33 13-1902 EA 1" 45 Degree Angle Liquid Tight Connector.....	36.25	6.88
For Work In Restricted Working Space, Add	5.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-1903 EA 1-1/4" 45 Degree Angle Liquid Tight Connector.....	41.26	7.37
For Work In Restricted Working Space, Add	5.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-1904 EA 1-1/2" 45 Degree Angle Liquid Tight Connector.....	46.30	7.86
For Work In Restricted Working Space, Add	5.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.89	
26 05 33 13-1905 Flexible Metallic Conduit And Connectors (26 05 33 13-1863)		
26 05 33 13-1906 Flexible Steel Conduit (26 05 33 13-1905)		
26 05 33 13-1907 LF 3/8" Flexible Metallic Conduit.....	4.77	1.61
For Flexible Aluminum Conduit, Add	0.14	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.59	
For Installation In Metal Stud Wall, Add	0.39	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.99	
For Work In Restricted Working Space, Add	1.18	
26 05 33 13-1908 LF 1/2" Flexible Metallic Conduit.....	4.95	1.61
For Flexible Aluminum Conduit, Add	0.15	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.60	
For Installation In Metal Stud Wall, Add	0.40	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.01	
For Work In Restricted Working Space, Add	1.21	
26 05 33 13-1909 LF 3/4" Flexible Metallic Conduit.....	5.62	2.14
For Flexible Aluminum Conduit, Add	0.21	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.66	
For Installation In Metal Stud Wall, Add	0.44	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.09	
For Work In Restricted Working Space, Add	1.31	
26 05 33 13-1910 LF 1" Flexible Metallic Conduit.....	7.03	2.14
For Flexible Aluminum Conduit, Add	0.38	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.71	
For Installation In Metal Stud Wall, Add	0.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.18	
For Work In Restricted Working Space, Add	1.41	
26 05 33 13-1911 LF 1-1/4" Flexible Metallic Conduit.....	8.01	2.69
For Flexible Aluminum Conduit, Add	0.50	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.75	
For Installation In Metal Stud Wall, Add	0.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.24	
For Work In Restricted Working Space, Add	1.49	
26 05 33 13-1912 LF 1-1/2" Flexible Metallic Conduit.....	10.50	3.23
For Flexible Aluminum Conduit, Add	0.88	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.78	
For Installation In Metal Stud Wall, Add	0.52	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.29	
For Work In Restricted Working Space, Add	1.55	
26 05 33 13-1913 LF 2" Flexible Metallic Conduit.....	11.91	4.30
For Flexible Aluminum Conduit, Add	1.08	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	0.81	
For Installation In Metal Stud Wall, Add	0.54	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.34	
For Work In Restricted Working Space, Add	1.61	
26 05 33 13-1914 LF 2-1/2" Flexible Steel Conduit.....	14.62	4.84
For Flexible Aluminum Conduit, Add	1.31	
For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.01	
For Installation In Metal Stud Wall, Add	0.67	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.68	
For Work In Restricted Working Space, Add	2.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1915	LF		3" Flexible Metallic Conduit.....	21.80	5.91
			For Flexible Aluminum Conduit, Add	2.27	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.21	
			For Installation In Metal Stud Wall, Add	0.81	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.02	
			For Work In Restricted Working Space, Add	2.42	
26 05 33 13-1916	LF		3-1/2" Flexible Metallic Conduit	26.72	6.44
			For Flexible Aluminum Conduit, Add	2.86	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.41	
			For Installation In Metal Stud Wall, Add	0.94	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.35	
			For Work In Restricted Working Space, Add	2.82	
26 05 33 13-1917	LF		4" Flexible Metallic Conduit.....	30.73	7.53
			For Flexible Aluminum Conduit, Add	3.30	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	1.61	
			For Installation In Metal Stud Wall, Add	1.07	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.69	
			For Work In Restricted Working Space, Add	3.22	
26 05 33 13-1918 Plain Squeeze Type Straight Connector (26 05 33 13-1905)					
26 05 33 13-1919	EA		3/8" Flexible Straight Connectors, Plain.....	8.15	4.30
			For Work In Restricted Working Space, Add	1.81	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-1920	EA		1/2" Flexible Straight Connectors, Plain.....	10.06	4.84
			For Work In Restricted Working Space, Add	2.01	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
26 05 33 13-1921	EA		3/4" Flexible Straight Connectors, Plain.....	11.59	5.91
			For Work In Restricted Working Space, Add	2.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-1922	EA		1" Flexible Straight Connectors, Plain.....	18.48	6.44
			For Work In Restricted Working Space, Add	3.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-1923	EA		1-1/4" Flexible Straight Connectors, Plain	26.10	7.53
			For Work In Restricted Working Space, Add	4.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-1924	EA		1-1/2" Flexible Straight Connectors, Plain	34.37	9.13
			For Work In Restricted Working Space, Add	5.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-1925	EA		2" Flexible Straight Connectors, Plain.....	45.17	9.13
			For Work In Restricted Working Space, Add	6.05	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-1926	EA		2-1/2" Flexible Straight Connectors, Plain	72.66	11.28
			For Work In Restricted Working Space, Add	7.05	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.05	
26 05 33 13-1927	EA		3" Flexible Straight Connectors, Plain.....	95.00	12.35
			For Work In Restricted Working Space, Add	8.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 33 13-1928	EA		3-1/2" Flexible Straight Connectors, Plain	293.76	14.51
			For Work In Restricted Working Space, Add	9.07	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.07	
26 05 33 13-1929	EA		4" Flexible Straight Connectors, Plain.....	366.98	17.73
			For Work In Restricted Working Space, Add	10.07	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 33 13-1930 Insulated Throat Squeeze Type Straight Connector (26 05 33 13-1905)					
26 05 33 13-1931	EA		1/2" Flexible Straight Connectors, Insulated	11.21	4.84
			For Work In Restricted Working Space, Add	2.01	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
26 05 33 13-1932	EA		3/4" Flexible Straight Connectors, Insulated	13.10	5.91
			For Work In Restricted Working Space, Add	2.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-1933	EA		1" Flexible Straight Connectors, Insulated	20.54	6.44
			For Work In Restricted Working Space, Add	3.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-1934	EA		1-1/4" Flexible Straight Connectors, Insulated.....	29.88	7.53
			For Work In Restricted Working Space, Add	4.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-1935	EA		1-1/2" Flexible Straight Connectors, Insulated.....	41.10	8.06
			For Work In Restricted Working Space, Add	5.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-1936	EA		2" Flexible Straight Connectors, Insulated	57.05	9.13
			For Work In Restricted Working Space, Add	6.05	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-1937	EA		2-1/2" Flexible Straight Connectors, Insulated.....	98.07	11.28
			For Work In Restricted Working Space, Add	7.05	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.05	
26 05 33 13-1938	EA		3" Flexible Straight Connectors, Insulated	124.96	12.35
			For Work In Restricted Working Space, Add	8.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 33 13-1939	EA		3-1/2" Flexible Straight Connectors, Insulated.....	339.93	14.51
			For Work In Restricted Working Space, Add	9.07	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.07	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1940 EA 4" Flexible Straight Connectors, Insulated	436.41	17.73
For Work In Restricted Working Space, Add	10.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 33 13-1941 Plain Squeeze Type 90 Degree Connector (26 05 33 13-1905)		
26 05 33 13-1942 EA 3/8" Flexible 90 Degree Connector, Plain	11.44	5.37
For Work In Restricted Working Space, Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-1943 EA 1/2" Flexible 90 Degree Connector, Plain	15.05	5.91
For Work In Restricted Working Space, Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-1944 EA 3/4" Flexible 90 Degree Connector, Plain	19.59	6.44
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-1945 EA 1" Flexible 90 Degree Connector, Plain	27.40	7.53
For Work In Restricted Working Space, Add	4.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-1946 EA 1-1/4" Flexible 90 Degree Connector, Plain	42.63	8.06
For Work In Restricted Working Space, Add	4.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-1947 EA 1-1/2" Flexible 90 Degree Connector, Plain	66.50	9.40
For Work In Restricted Working Space, Add	6.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-1948 EA 2" Flexible 90 Degree Connector, Plain	80.15	11.55
For Work In Restricted Working Space, Add	6.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.85	
26 05 33 13-1949 EA 2-1/2" Flexible 90 Degree Connector, Plain	176.25	12.35
For Work In Restricted Working Space, Add	8.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 33 13-1950 EA 3" Flexible 90 Degree Connector, Plain	226.34	14.51
For Work In Restricted Working Space, Add	9.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.07	
26 05 33 13-1951 EA 3-1/2" Flexible 90 Degree Connector, Plain	479.58	17.73
For Work In Restricted Working Space, Add	10.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 33 13-1952 EA 4" Flexible 90 Degree Connector, Plain	856.42	20.15
For Work In Restricted Working Space, Add	12.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.09	
26 05 33 13-1953 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-1905)		
26 05 33 13-1954 EA 1/2" Flexible 90 Degree Connector, Insulated	16.65	5.91
For Work In Restricted Working Space, Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-1955 EA 3/4" Flexible 90 Degree Connector, Insulated	21.56	6.44
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-1956 EA 1" Flexible 90 Degree Connector, Insulated	27.40	7.53
For Work In Restricted Working Space, Add	4.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-1957 EA 1-1/4" Flexible 90 Degree Connector, Insulated	49.64	8.06
For Work In Restricted Working Space, Add	4.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-1958 EA 1-1/2" Flexible 90 Degree Connector, Insulated	79.23	9.40
For Work In Restricted Working Space, Add	6.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-1959 EA 2" Flexible 90 Degree Connector, Insulated	100.85	11.55
For Work In Restricted Working Space, Add	6.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.85	
26 05 33 13-1960 EA 2-1/2" Flexible 90 Degree Connector, Insulated	240.95	12.35
For Work In Restricted Working Space, Add	8.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 33 13-1961 EA 3" Flexible 90 Degree Connector, Insulated	296.44	14.51
For Work In Restricted Working Space, Add	9.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.07	
26 05 33 13-1962 EA 3-1/2" Flexible 90 Degree Connector, Insulated	797.29	17.73
For Work In Restricted Working Space, Add	10.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 33 13-1963 EA 4" Flexible 90 Degree Connector, Insulated	1,189.18	20.15
For Work In Restricted Working Space, Add	12.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.09	
26 05 33 13-1964 Plain Squeeze Type 45 Degree Connector (26 05 33 13-1905)		
26 05 33 13-1965 EA 3/8" Flexible 45 Degree Connector, Plain	12.73	5.37
For Work In Restricted Working Space, Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-1966 EA 1/2" Flexible 45 Degree Connector, Plain	17.12	5.91
For Work In Restricted Working Space, Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-1967 EA 3/4" Flexible 45 Degree Connector, Plain	21.90	6.44
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1968		Insulated Squeeze Type 45 Degree Connector (26 05 33 13-1905)		
26 05 33 13-1969	EA	3/8" Flexible 45 Degree Connector, Insulated	13.62	6.44
		For Work In Restricted Working Space, Add	2.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-1970	EA	1/2" Flexible 45 Degree Connector, Insulated	18.58	5.91
		For Work In Restricted Working Space, Add	2.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-1971	EA	3/4" Flexible 45 Degree Connector, Insulated	23.97	6.44
		For Work In Restricted Working Space, Add	3.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-1972		Plain Screw-In Connector (26 05 33 13-1905)		
26 05 33 13-1973	EA	3/8" Flexible Steel Screw-in Connector, Plain.....	6.82	4.30
		For Work In Restricted Working Space, Add	1.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-1974	EA	1/2" Flexible Steel Screw-in Connector, Plain.....	7.36	4.84
		For Work In Restricted Working Space, Add	2.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
26 05 33 13-1975	EA	3/4" Flexible Steel Screw-in Connector, Plain.....	9.37	5.91
		For Work In Restricted Working Space, Add	2.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-1976	EA	1" Flexible Steel Screw-in Connector, Plain.....	13.38	6.44
		For Work In Restricted Working Space, Add	3.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-1977	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	19.61	7.53
		For Work In Restricted Working Space, Add	4.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-1978	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	23.98	8.06
		For Work In Restricted Working Space, Add	5.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-1979	EA	2" Flexible Steel Screw-in Connector, Plain.....	35.09	9.13
		For Work In Restricted Working Space, Add	6.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-1980		Insulated Screw-In Connector (26 05 33 13-1905)		
26 05 33 13-1981	EA	3/8" Flexible Steel Screw-in Connector, Insulated	7.20	4.30
		For Work In Restricted Working Space, Add	1.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-1982	EA	1/2" Flexible Steel Screw-in Connector, Insulated	7.66	4.84
		For Work In Restricted Working Space, Add	2.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
26 05 33 13-1983	EA	3/4" Flexible Steel Screw-in Connector, Insulated	10.16	5.91
		For Work In Restricted Working Space, Add	2.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-1984	EA	1" Flexible Steel Screw-in Connector, Insulated	14.58	6.44
		For Work In Restricted Working Space, Add	3.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-1985	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated.....	21.31	7.53
		For Work In Restricted Working Space, Add	4.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-1986	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	26.02	8.06
		For Work In Restricted Working Space, Add	5.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-1987	EA	2" Flexible Steel Screw-in Connector, Insulated.....	36.89	9.13
		For Work In Restricted Working Space, Add	6.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-1988		Screw-In Coupling (26 05 33 13-1905)		
26 05 33 13-1989	EA	1/2" Flexible Steel Screw-in Coupling	8.11	4.84
		For Work In Restricted Working Space, Add	2.01	
26 05 33 13-1990	EA	3/4" Flexible Steel Screw-in Coupling	10.61	5.91
		For Work In Restricted Working Space, Add	2.42	
26 05 33 13-1991		Flexible To Electrical Metallic Tubing (EMT) Coupling (26 05 33 13-1905)		
26 05 33 13-1992	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.79	4.30
		For Work In Restricted Working Space, Add	1.81	
26 05 33 13-1993	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	14.63	4.84
		For Work In Restricted Working Space, Add	2.01	
26 05 33 13-1994	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	19.32	5.91
		For Work In Restricted Working Space, Add	2.42	
26 05 33 13-1995		Die Cast Squeeze Type Straight Connector (26 05 33 13-1905)		
26 05 33 13-1996	EA	3/8" Flexible Straight Connector, Die Cast.....	7.06	4.30
		For Work In Restricted Working Space, Add	1.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1997 EA 1/2" Flexible Straight Connector, Die Cast.....	7.98	4.84
For Work In Restricted Working Space, Add	2.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
26 05 33 13-1998 EA 3/4" Flexible Straight Connector, Die Cast.....	9.90	5.91
For Work In Restricted Working Space, Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-1999 EA 1" Flexible Straight Connector, Die Cast.....	14.85	6.44
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2000 EA 1-1/4" Flexible Straight Connector, Die Cast.....	19.97	7.53
For Work In Restricted Working Space, Add	4.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-2001 EA 1-1/2" Flexible Straight Connector, Die Cast.....	27.05	8.06
For Work In Restricted Working Space, Add	5.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2002 EA 2" Flexible Straight Connector, Die Cast.....	34.92	9.13
For Work In Restricted Working Space, Add	6.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-2003 Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-1905)		
26 05 33 13-2004 EA 3/8" Flexible 90 Degree Connector, Die Cast.....	9.36	5.37
For Work In Restricted Working Space, Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-2005 EA 1/2" Flexible 90 Degree Connector, Die Cast.....	11.58	5.91
For Work In Restricted Working Space, Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-2006 EA 3/4" Flexible 90 Degree Connector, Die Cast.....	14.02	6.44
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2007 EA 1" Flexible 90 Degree Connector, Die Cast.....	22.10	7.53
For Work In Restricted Working Space, Add	4.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-2008 EA 1-1/4" Flexible 90 Degree Connector, Die Cast.....	31.25	8.06
For Work In Restricted Working Space, Add	4.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-2009 EA 1-1/2" Flexible 90 Degree Connector, Die Cast.....	48.40	9.40
For Work In Restricted Working Space, Add	6.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-2010 EA 2" Flexible 90 Degree Connector, Die Cast.....	57.83	11.55
For Work In Restricted Working Space, Add	6.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.85	
26 05 33 13-2011 Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-1863)		
26 05 33 13-2012 Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-2011)		
26 05 33 13-2013 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit.....	4.60	1.47
For Work In Restricted Working Space, Add	1.10	
26 05 33 13-2014 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit.....	4.68	1.47
For Work In Restricted Working Space, Add	1.10	
26 05 33 13-2015 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit.....	6.29	1.96
For Work In Restricted Working Space, Add	1.47	
26 05 33 13-2016 LF 1" Flexible Liquid Tight Non-Metallic Conduit.....	7.69	1.96
For Work In Restricted Working Space, Add	1.47	
26 05 33 13-2017 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit.....	9.75	2.46
For Work In Restricted Working Space, Add	1.84	
26 05 33 13-2018 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit.....	12.41	2.95
For Work In Restricted Working Space, Add	2.21	
26 05 33 13-2019 LF 2" Flexible Liquid Tight Non-Metallic Conduit.....	15.95	3.93
For Work In Restricted Working Space, Add	2.94	
26 05 33 13-2020 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2011)		
26 05 33 13-2021 EA 3/8" Liquid Tight Non-Metallic Straight Connector.....	13.20	3.93
For Work In Restricted Working Space, Add	2.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.94	
26 05 33 13-2022 EA 1/2" Liquid Tight Non-Metallic Straight Connector.....	13.20	3.93
For Work In Restricted Working Space, Add	2.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.94	
26 05 33 13-2023 EA 3/4" Liquid Tight Non-Metallic Straight Connector.....	16.06	4.42
For Work In Restricted Working Space, Add	3.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.32	
26 05 33 13-2024 EA 1" Liquid Tight Non-Metallic Straight Connector.....	19.80	4.91
For Work In Restricted Working Space, Add	3.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-2025 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector.....	27.02	5.40
For Work In Restricted Working Space, Add	4.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.05	
26 05 33 13-2026 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector.....	33.54	5.89
For Work In Restricted Working Space, Add	4.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.42	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2027 EA 2" Liquid Tight Non-Metallic Straight Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.70 5.15 5.15	6.88
26 05 33 13-2028 Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-2011)		
26 05 33 13-2029 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.01 4.05 4.05	5.40
26 05 33 13-2030 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.01 4.05 4.05	5.40
26 05 33 13-2031 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.20 4.42 4.42	5.89
26 05 33 13-2032 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.48 5.15 5.15	6.88
26 05 33 13-2033 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.63 5.52 5.52	7.37
26 05 33 13-2034 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.30 5.89 5.89	7.86
26 05 33 13-2035 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.87 6.63 6.63	8.84
26 05 33 13-2036 Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-2011)		
26 05 33 13-2037 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.01 4.05 4.05	5.40
26 05 33 13-2038 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.01 4.05 4.05	5.40
26 05 33 13-2039 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.20 4.42 4.42	5.89
26 05 33 13-2040 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.48 5.15 5.15	6.88
26 05 33 13-2041 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.63 5.52 5.52	7.37
26 05 33 13-2042 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.30 5.89 5.89	7.86
26 05 33 13-2043 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.87 6.63 6.63	8.84
26 05 33 13-2044 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-1863) Note: Carlon - FLEX-PLUS.		
26 05 33 13-2045 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2044)		
26 05 33 13-2046 LF 1/2" Blue ENT Electrical Non-Metallic Tubing For Work In Restricted Working Space, Add	5.69 1.21	1.61
26 05 33 13-2047 LF 3/4" Blue ENT Electrical Non-Metallic Tubing For Work In Restricted Working Space, Add	7.69 1.61	2.14
26 05 33 13-2048 LF 1" Blue ENT Electrical Non-Metallic Tubing For Work In Restricted Working Space, Add	9.11 1.61	2.14
26 05 33 13-2049 Terminal Adapter (26 05 33 13-2044)		
26 05 33 13-2050 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.47 3.22 3.22	4.30
26 05 33 13-2051 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.07 3.62 3.62	4.84
26 05 33 13-2052 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.85 4.03 4.03	5.37
26 05 33 13-2053 Coupling (26 05 33 13-2044)		
26 05 33 13-2054 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing For Work In Restricted Working Space, Add	13.12 3.22	4.30
26 05 33 13-2055 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing For Work In Restricted Working Space, Add	15.17 3.62	4.84
26 05 33 13-2056 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing For Work In Restricted Working Space, Add	18.06 4.03	5.37

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2057		Conduit Installed Below Grade (26 05 33 13-0058) Note: By direct burial in trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33 13-2058		Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial (26 05 33 13-2057)		
26 05 33 13-2059		Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial (26 05 33 13-2058) Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2518 for field bending >1".		
26 05 33 13-2060	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.73	
		For Schedule 60, Add.....	0.45	
		For Schedule 80, Add.....	0.74	
26 05 33 13-2061	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.36	
		For Schedule 60, Add.....	0.55	
		For Schedule 80, Add.....	0.89	
26 05 33 13-2062	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.34	
		For Schedule 60, Add.....	0.74	
		For Schedule 80, Add.....	1.16	
26 05 33 13-2063	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.32	
		For Schedule 60, Add.....	0.92	
		For Schedule 80, Add.....	1.43	
26 05 33 13-2064	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	8.16	
		For Schedule 60, Add.....	1.08	
		For Schedule 80, Add.....	1.65	
26 05 33 13-2065	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	9.50	
		For Schedule 60, Add.....	1.36	
		For Schedule 80, Add.....	2.05	
26 05 33 13-2066	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	12.41	
		For Schedule 60, Add.....	2.03	
		For Schedule 80, Add.....	3.00	
26 05 33 13-2067	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	14.05	
		For Schedule 60, Add.....	2.38	
		For Schedule 80, Add.....	3.50	
26 05 33 13-2068	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	16.66	
		For Schedule 60, Add.....	2.98	
		For Schedule 80, Add.....	4.35	
26 05 33 13-2069	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	18.00	
		For Schedule 60, Add.....	3.26	
		For Schedule 80, Add.....	4.75	
26 05 33 13-2070	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	23.67	
		For Schedule 60, Add.....	4.62	
		For Schedule 80, Add.....	6.66	
26 05 33 13-2071	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	29.47	
		For Schedule 60, Add.....	6.01	
		For Schedule 80, Add.....	8.62	
26 05 33 13-2072		Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial (26 05 33 13-2058) See CSI section 26 05 33 13-2518 for conduit field bending.		
26 05 33 13-2073	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	29.66	
		For Schedule 60, Add.....	1.76	
		For Schedule 80, Add.....	3.31	
26 05 33 13-2074	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	35.61	
		For Schedule 60, Add.....	2.12	
		For Schedule 80, Add.....	3.98	
26 05 33 13-2075	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	42.21	
		For Schedule 60, Add.....	2.63	
		For Schedule 80, Add.....	4.88	
26 05 33 13-2076	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	49.02	
		For Schedule 60, Add.....	3.21	
		For Schedule 80, Add.....	5.85	
26 05 33 13-2077	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	56.03	
		For Schedule 60, Add.....	3.83	
		For Schedule 80, Add.....	6.89	
26 05 33 13-2078	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	63.66	
		For Schedule 60, Add.....	4.61	
		For Schedule 80, Add.....	8.14	
26 05 33 13-2079	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	74.72	
		For Schedule 60, Add.....	6.24	
		For Schedule 80, Add.....	10.60	
26 05 33 13-2080	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	88.26	
		For Schedule 60, Add.....	8.49	
		For Schedule 80, Add.....	13.92	
26 05 33 13-2081	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	107.51	
		For Schedule 60, Add.....	11.04	
		For Schedule 80, Add.....	17.83	
26 05 33 13-2082	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	126.92	
		For Schedule 60, Add.....	13.63	
		For Schedule 80, Add.....	21.80	
26 05 33 13-2083	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	166.15	
		For Schedule 60, Add.....	21.18	
		For Schedule 80, Add.....	32.70	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2084	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	195.13	
		For Schedule 60, Add	26.16	
		For Schedule 80, Add	40.02	
26 05 33 13-2085		Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial (26 05 33 13-2058)		
		See CSI section 26 05 33 13-2518 for conduit field bending.		
26 05 33 13-2086	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	29.66	
		For Schedule 60, Add	1.76	
		For Schedule 80, Add	3.31	
26 05 33 13-2087	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	35.51	
		For Schedule 60, Add	2.09	
		For Schedule 80, Add	3.95	
26 05 33 13-2088	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	42.07	
		For Schedule 60, Add	2.60	
		For Schedule 80, Add	4.83	
26 05 33 13-2089	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	48.62	
		For Schedule 60, Add	3.11	
		For Schedule 80, Add	5.71	
26 05 33 13-2090	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	55.12	
		For Schedule 60, Add	3.60	
		For Schedule 80, Add	6.57	
26 05 33 13-2091	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	63.18	
		For Schedule 60, Add	4.49	
		For Schedule 80, Add	7.98	
26 05 33 13-2092	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	73.82	
		For Schedule 60, Add	6.01	
		For Schedule 80, Add	10.28	
26 05 33 13-2093	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	87.12	
		For Schedule 60, Add	8.21	
		For Schedule 80, Add	13.52	
26 05 33 13-2094	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	104.31	
		For Schedule 60, Add	10.24	
		For Schedule 80, Add	16.71	
26 05 33 13-2095	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	124.17	
		For Schedule 60, Add	12.95	
		For Schedule 80, Add	20.84	
26 05 33 13-2096	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	162.58	
		For Schedule 60, Add	20.29	
		For Schedule 80, Add	31.45	
26 05 33 13-2097	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	184.50	
		For Schedule 60, Add	23.50	
		For Schedule 80, Add	36.30	
26 05 33 13-2098		Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial (26 05 33 13-2058)		
26 05 33 13-2099	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	16.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
26 05 33 13-2100	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	18.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-2101	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	21.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-2102	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	24.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.79	
26 05 33 13-2103	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	26.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.46	
26 05 33 13-2104	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	29.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 05 33 13-2105	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	35.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.16	
26 05 33 13-2106	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	40.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.18	
26 05 33 13-2107	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	47.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.88	
26 05 33 13-2108	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	53.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.57	
26 05 33 13-2109	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	68.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.27	
26 05 33 13-2110	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	77.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.97	
26 05 33 13-2111		Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial (26 05 33 13-2058)		
26 05 33 13-2112	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.77	
26 05 33 13-2113	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.42	
26 05 33 13-2114	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	24.09	
26 05 33 13-2115	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	30.85	
26 05 33 13-2116	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	34.12	
26 05 33 13-2117	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	38.18	
26 05 33 13-2118	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	42.76	
26 05 33 13-2119	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	48.46	
26 05 33 13-2120	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	57.36	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2121	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	63.42	
26 05 33 13-2122	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	79.86	
26 05 33 13-2123	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	89.81	
26 05 33 13-2124		Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial ^(26 05 33 13-2058)		
26 05 33 13-2125	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	16.38	
26 05 33 13-2126	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	18.97	
26 05 33 13-2127	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	21.42	
26 05 33 13-2128	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	24.03	
26 05 33 13-2129	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	26.47	
26 05 33 13-2130	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	29.42	
26 05 33 13-2131	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	34.66	
26 05 33 13-2132	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	39.51	
26 05 33 13-2133	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	46.66	
26 05 33 13-2134	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	52.67	
26 05 33 13-2135	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	65.99	
26 05 33 13-2136	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	74.78	
26 05 33 13-2137		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ^(26 05 33 13-2057)		
		Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-2138		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ^(26 05 33 13-2137)		
		Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2508 for field bending >1".		
26 05 33 13-2139	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	12.63	2.58
		For >250 To 500, Deduct.....	-0.46	
		For >500 To 1,000, Deduct.....	-0.78	
		For >1,000, Deduct.....	-1.09	
26 05 33 13-2140	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	14.18	3.19
		For >250 To 500, Deduct.....	-0.52	
		For >500 To 1,000, Deduct.....	-0.88	
		For >1,000, Deduct.....	-1.23	
26 05 33 13-2141	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	17.40	3.56
		For >250 To 500, Deduct.....	-0.66	
		For >500 To 1,000, Deduct.....	-1.09	
		For >1,000, Deduct.....	-1.53	
26 05 33 13-2142	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	20.99	4.78
		For >250 To 500, Deduct.....	-0.80	
		For >500 To 1,000, Deduct.....	-1.33	
		For >1,000, Deduct.....	-1.85	
26 05 33 13-2143	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	24.64	5.40
		For >250 To 500, Deduct.....	-0.96	
		For >500 To 1,000, Deduct.....	-1.57	
		For >1,000, Deduct.....	-2.19	
26 05 33 13-2144	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	31.20	5.89
		For >250 To 500, Deduct.....	-1.22	
		For >500 To 1,000, Deduct.....	-2.00	
		For >1,000, Deduct.....	-2.78	
26 05 33 13-2145	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	45.25	8.84
		For >250 To 500, Deduct.....	-1.80	
		For >500 To 1,000, Deduct.....	-2.93	
		For >1,000, Deduct.....	-4.07	
26 05 33 13-2146	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	58.40	11.05
		For >250 To 500, Deduct.....	-2.31	
		For >500 To 1,000, Deduct.....	-3.77	
		For >1,000, Deduct.....	-5.23	
26 05 33 13-2147	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	72.09	11.66
		For >250 To 500, Deduct.....	-2.84	
		For >500 To 1,000, Deduct.....	-4.64	
		For >1,000, Deduct.....	-6.44	
26 05 33 13-2148	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	85.63	12.89
		For >250 To 500, Deduct.....	-3.36	
		For >500 To 1,000, Deduct.....	-5.50	
		For >1,000, Deduct.....	-7.64	
26 05 33 13-2149	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	133.14	17.79
		For >250 To 500, Deduct.....	-5.49	
		For >500 To 1,000, Deduct.....	-8.82	
		For >1,000, Deduct.....	-12.15	
26 05 33 13-2150	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	177.47	23.31
		For >250 To 500, Deduct.....	-7.40	
		For >500 To 1,000, Deduct.....	-11.84	
		For >1,000, Deduct.....	-16.27	
26 05 33 13-2151		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial ^(26 05 33 13-2137)		
26 05 33 13-2152	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.57	3.68
26 05 33 13-2153	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	16.31	4.91



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2154	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	20.72	6.13
26 05 33 13-2155	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	23.34	6.75
26 05 33 13-2156	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	27.66	7.98
26 05 33 13-2157	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	35.54	9.20
26 05 33 13-2158	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	64.48	11.05
26 05 33 13-2159	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	82.16	15.34
26 05 33 13-2160	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	101.63	17.79
26 05 33 13-2161	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	126.31	24.55
26 05 33 13-2162	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	319.12	33.75
26 05 33 13-2163	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	319.14	19.02
26 05 33 13-2164 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial (26 05 33 13-2137)				
Note: 90, 45, or 30-degree.				
26 05 33 13-2165	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	52.43	15.34
26 05 33 13-2166	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	60.62	19.02
26 05 33 13-2167	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	72.52	23.31
26 05 33 13-2168	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	85.81	26.99
26 05 33 13-2169	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	100.46	30.68
26 05 33 13-2170	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	122.06	33.75
26 05 33 13-2171	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	187.48	42.34
26 05 33 13-2172	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	279.64	57.67
26 05 33 13-2173	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	345.65	65.04
26 05 33 13-2174	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	397.22	84.67
26 05 33 13-2175	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	825.25	138.05
26 05 33 13-2176	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,297.46	207.39
26 05 33 13-2177 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial (26 05 33 13-2137)				
26 05 33 13-2178	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	123.78	23.31
26 05 33 13-2179	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	139.32	26.99
26 05 33 13-2180	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	159.05	30.68
26 05 33 13-2181	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	189.67	33.75
26 05 33 13-2182	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	264.00	42.34
26 05 33 13-2183 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial (26 05 33 13-2137)				
26 05 33 13-2184	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	137.64	23.31
26 05 33 13-2185	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	162.23	26.99
26 05 33 13-2186	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	175.47	30.68
26 05 33 13-2187	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	225.48	33.75
26 05 33 13-2188	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	298.53	42.34
26 05 33 13-2189	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	382.05	57.67
26 05 33 13-2190 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial (26 05 33 13-2137)				
26 05 33 13-2191	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	154.21	23.31
26 05 33 13-2192	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	174.16	26.99
26 05 33 13-2193	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	196.54	30.68
26 05 33 13-2194	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	237.35	33.75

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2195 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	338.21	42.34
26 05 33 13-2196 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	428.64	57.67
26 05 33 13-2197 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	540.75	65.04
26 05 33 13-2198 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	609.77	84.67
26 05 33 13-2199 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial (26 05 33 13-2137)		
26 05 33 13-2200 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	182.84	23.31
26 05 33 13-2201 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	202.16	26.99
26 05 33 13-2202 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	228.34	30.68
26 05 33 13-2203 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	283.14	33.75
26 05 33 13-2204 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	409.23	42.34
26 05 33 13-2205 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	507.57	57.67
26 05 33 13-2206 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	588.95	65.04
26 05 33 13-2207 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	698.25	84.67
26 05 33 13-2208 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial (26 05 33 13-2137)		
26 05 33 13-2209 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	205.12	23.31
26 05 33 13-2210 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	228.22	26.99
26 05 33 13-2211 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	259.63	30.68
26 05 33 13-2212 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	322.99	33.75
26 05 33 13-2213 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	447.98	42.34
26 05 33 13-2214 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	570.70	57.67
26 05 33 13-2215 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	706.12	65.04
26 05 33 13-2216 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	779.46	84.67
26 05 33 13-2217 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,299.38	138.05
26 05 33 13-2218 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial (26 05 33 13-2137)		
26 05 33 13-2219 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	234.25	23.31
26 05 33 13-2220 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	259.72	26.99
26 05 33 13-2221 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	293.93	30.68
26 05 33 13-2222 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	367.19	33.75
26 05 33 13-2223 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	512.55	42.34
26 05 33 13-2224 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	651.14	57.67
26 05 33 13-2225 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	764.84	65.04
26 05 33 13-2226 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	884.31	84.67
26 05 33 13-2227 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,372.86	138.05
26 05 33 13-2228 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,878.08	207.39
26 05 33 13-2229 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial (26 05 33 13-2137)		
26 05 33 13-2230 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	274.81	23.31
26 05 33 13-2231 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	287.79	26.99



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2232	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	339.84	30.68
26 05 33 13-2233	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	428.72	33.75
26 05 33 13-2234	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	599.61	42.34
26 05 33 13-2235	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	759.58	57.67
26 05 33 13-2236	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	928.07	65.04
26 05 33 13-2237	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,088.28	84.67
26 05 33 13-2238	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,612.54	138.05
26 05 33 13-2239	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,988.10	207.39
26 05 33 13-2240 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial (26 05 33 13-2137)				
26 05 33 13-2241	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	284.58	23.31
26 05 33 13-2242	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	335.28	26.99
26 05 33 13-2243	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	379.54	30.68
26 05 33 13-2244	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	447.23	33.75
26 05 33 13-2245	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	621.36	42.34
26 05 33 13-2246	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	792.93	57.67
26 05 33 13-2247	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,016.97	65.04
26 05 33 13-2248	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,134.54	84.67
26 05 33 13-2249	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,676.93	138.05
26 05 33 13-2250	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	2,044.00	207.39
26 05 33 13-2251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial (26 05 33 13-2137)				
26 05 33 13-2252	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	95.50	15.34
26 05 33 13-2253	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	104.04	19.02
26 05 33 13-2254	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	135.10	23.31
26 05 33 13-2255	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	196.38	26.99
26 05 33 13-2256	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	233.11	30.68
26 05 33 13-2257	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	296.37	33.75
26 05 33 13-2258	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	394.54	42.34
26 05 33 13-2259	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	511.87	42.34
26 05 33 13-2260	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	659.99	65.04
26 05 33 13-2261	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	849.75	84.67
26 05 33 13-2262	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,547.88	138.05
26 05 33 13-2263	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,929.43	207.39
26 05 33 13-2264 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial (26 05 33 13-2137)				
26 05 33 13-2265	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	97.68	15.34
26 05 33 13-2266	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	112.37	19.02
26 05 33 13-2267	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	139.55	23.31
26 05 33 13-2268	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	204.54	26.99
26 05 33 13-2269	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	244.43	30.68

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2270	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	320.83	33.75
26 05 33 13-2271	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	446.88	42.34
26 05 33 13-2272	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	565.08	42.34
26 05 33 13-2273	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	756.20	65.04
26 05 33 13-2274	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	945.61	84.67
26 05 33 13-2275	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,723.59	138.05
26 05 33 13-2276	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,213.16	207.39
26 05 33 13-2277 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial (26 05 33 13-2137)				
26 05 33 13-2278	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.10	7.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.42	
26 05 33 13-2279	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.13	9.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-2280	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.07	11.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-2281	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.30	13.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 05 33 13-2282	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.79	15.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 05 33 13-2283	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.70	7.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33 13-2284	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.65	9.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-2285	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.61	11.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-2286	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.99	13.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 05 33 13-2287	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.68	15.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 05 33 13-2288	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.62	17.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 05 33 13-2289	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.87	7.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33 13-2290	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.82	9.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-2291	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.94	11.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-2292	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.34	13.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 05 33 13-2293	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.03	15.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 05 33 13-2294	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.52	17.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 05 33 13-2295	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.25	7.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33 13-2296	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.21	9.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-2297	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.50	11.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-2298	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.79	13.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 05 33 13-2299	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.64	15.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2300	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	67.33	17.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 05 33 13-2301	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	94.06	20.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 05 33 13-2302	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	121.71	28.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.30	
26 05 33 13-2303	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.43	7.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33 13-2304	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.53	9.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-2305	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.85	11.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-2306	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	57.25	13.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 05 33 13-2307	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	62.25	15.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 05 33 13-2308	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	70.15	17.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 05 33 13-2309	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	96.54	20.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 05 33 13-2310	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	127.06	28.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.30	
26 05 33 13-2311	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	151.57	32.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 05 33 13-2312	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	177.25	42.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.40	
26 05 33 13-2313	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.76	7.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33 13-2314	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.89	9.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-2315	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.23	11.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-2316	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	57.93	13.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 05 33 13-2317	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	62.95	15.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 05 33 13-2318	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	71.68	17.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 05 33 13-2319	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	106.44	20.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 05 33 13-2320	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	135.07	28.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.30	
26 05 33 13-2321	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	153.28	32.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 05 33 13-2322	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	181.82	42.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.40	
26 05 33 13-2323	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	267.70	58.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.97	
26 05 33 13-2324	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.39	7.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33 13-2325	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.51	9.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-2326	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.90	11.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33 13-2327	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	59.18	13.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2328	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.46	15.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 05 33	13-2329	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.21	17.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 05 33	13-2330	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	116.48	20.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 05 33	13-2331	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	145.72	28.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.30	
26 05 33	13-2332	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	162.87	32.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 05 33	13-2333	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	198.00	42.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.40	
26 05 33	13-2334	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	291.88	58.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.97	
26 05 33	13-2335	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.36	7.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33	13-2336	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.47	9.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33	13-2337	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.41	11.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33	13-2338	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.51	13.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 05 33	13-2339	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.52	15.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 05 33	13-2340	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.69	17.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 05 33	13-2341	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.84	20.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 05 33	13-2342	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	160.28	28.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.30	
26 05 33	13-2343	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	186.88	32.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 05 33	13-2344	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	222.28	42.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.40	
26 05 33	13-2345	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	308.46	58.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.97	
26 05 33	13-2346	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.39	7.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 33	13-2347	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.47	9.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33	13-2348	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.89	11.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	
26 05 33	13-2349	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.03	13.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 05 33	13-2350	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.80	15.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 05 33	13-2351	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.69	17.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 05 33	13-2352	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	141.90	20.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 05 33	13-2353	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	178.94	28.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.30	
26 05 33	13-2354	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	212.09	32.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 05 33	13-2355	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	264.77	42.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2356	EA		5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	341.53	58.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	34.97	
26 05 33 13-2357	EA		1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.45	7.98
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	4.79	
26 05 33 13-2358	EA		3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.65	9.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	5.52	
26 05 33 13-2359	EA		1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.66	11.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	6.99	
26 05 33 13-2360	EA		1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	71.47	13.50
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	8.10	
26 05 33 13-2361	EA		1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	83.62	15.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	9.20	
26 05 33 13-2362	EA		2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	100.53	17.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	10.31	
26 05 33 13-2363	EA		2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	159.32	20.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	12.52	
26 05 33 13-2364	EA		3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	206.92	28.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	17.30	
26 05 33 13-2365	EA		3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	227.56	32.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	19.51	
26 05 33 13-2366	EA		4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	277.80	42.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	25.40	
26 05 33 13-2367	EA		5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	346.25	58.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	34.97	
26 05 33 13-2368			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-2057) Note: Direct burial or encased application.		
26 05 33 13-2369			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-2368) Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2518 for field bending >1".		
26 05 33 13-2370	LF		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	7.56	1.47
			For Work In Restricted Working Space, Add.....	1.10	
26 05 33 13-2371	LF		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	8.33	1.58
			For Work In Restricted Working Space, Add.....	1.19	
26 05 33 13-2372	LF		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	8.86	1.69
			For Work In Restricted Working Space, Add.....	1.27	
26 05 33 13-2373	LF		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	9.40	1.81
			For Work In Restricted Working Space, Add.....	1.36	
26 05 33 13-2374	LF		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.08	1.92
			For Work In Restricted Working Space, Add.....	1.44	
26 05 33 13-2375	LF		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.50	2.03
			For Work In Restricted Working Space, Add.....	1.53	
26 05 33 13-2376	LF		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	11.85	2.15
			For Work In Restricted Working Space, Add.....	1.61	
26 05 33 13-2377	LF		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	13.44	2.26
			For Work In Restricted Working Space, Add.....	1.70	
26 05 33 13-2378	LF		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	14.69	2.37
			For Work In Restricted Working Space, Add.....	1.78	
26 05 33 13-2379	LF		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	15.94	2.48
			For Work In Restricted Working Space, Add.....	1.87	
26 05 33 13-2380	LF		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	18.65	2.60
			For Work In Restricted Working Space, Add.....	1.95	
26 05 33 13-2381	LF		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	21.98	2.71
			For Work In Restricted Working Space, Add.....	2.04	
26 05 33 13-2382			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-2368)		
26 05 33 13-2383	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	100.04	11.31
			For Work In Restricted Working Space, Add.....	8.48	
			For 24" Radius, Add.....	6.80	
			For 36" Radius, Add.....	10.00	
			For 48" Radius, Add.....	13.21	
26 05 33 13-2384	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	114.28	13.57
			For Work In Restricted Working Space, Add.....	10.18	
			For 24" Radius, Add.....	7.72	
			For 36" Radius, Add.....	11.43	
			For 48" Radius, Add.....	15.13	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2385	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	120.75	15.84
			<i>For Work In Restricted Working Space, Add</i>	11.88	
			<i>For 24" Radius, Add</i>	8.07	
			<i>For 36" Radius, Add</i>	12.08	
			<i>For 48" Radius, Add</i>	16.08	
26 05 33 13-2386	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	127.19	18.10
			<i>For Work In Restricted Working Space, Add</i>	13.57	
			<i>For 24" Radius, Add</i>	8.41	
			<i>For 36" Radius, Add</i>	12.72	
			<i>For 48" Radius, Add</i>	17.03	
26 05 33 13-2387	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	133.67	20.36
			<i>For Work In Restricted Working Space, Add</i>	15.27	
			<i>For 24" Radius, Add</i>	8.75	
			<i>For 36" Radius, Add</i>	13.37	
			<i>For 48" Radius, Add</i>	17.98	
26 05 33 13-2388	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	150.73	22.63
			<i>For Work In Restricted Working Space, Add</i>	16.97	
			<i>For 24" Radius, Add</i>	9.89	
			<i>For 36" Radius, Add</i>	15.07	
			<i>For 48" Radius, Add</i>	20.26	
26 05 33 13-2389	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	174.94	24.88
			<i>For Work In Restricted Working Space, Add</i>	18.66	
			<i>For 24" Radius, Add</i>	11.57	
			<i>For 36" Radius, Add</i>	17.49	
			<i>For 48" Radius, Add</i>	23.42	
26 05 33 13-2390	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	203.14	27.14
			<i>For Work In Restricted Working Space, Add</i>	20.36	
			<i>For 24" Radius, Add</i>	13.54	
			<i>For 36" Radius, Add</i>	20.31	
			<i>For 48" Radius, Add</i>	27.09	
26 05 33 13-2391	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	231.36	31.67
			<i>For Work In Restricted Working Space, Add</i>	23.75	
			<i>For 24" Radius, Add</i>	15.37	
			<i>For 36" Radius, Add</i>	23.14	
			<i>For 48" Radius, Add</i>	30.90	
26 05 33 13-2392	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	259.57	40.71
			<i>For Work In Restricted Working Space, Add</i>	27.14	
			<i>For 24" Radius, Add</i>	17.21	
			<i>For 36" Radius, Add</i>	25.96	
			<i>For 48" Radius, Add</i>	34.71	
26 05 33 13-2393	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	313.17	40.71
			<i>For Work In Restricted Working Space, Add</i>	30.54	
			<i>For 24" Radius, Add</i>	20.94	
			<i>For 36" Radius, Add</i>	31.32	
			<i>For 48" Radius, Add</i>	41.69	
26 05 33 13-2394	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	377.32	45.24
			<i>For Work In Restricted Working Space, Add</i>	33.93	
			<i>For 24" Radius, Add</i>	25.47	
			<i>For 36" Radius, Add</i>	37.73	
			<i>For 48" Radius, Add</i>	49.99	

**26 05 33 13-2395 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double
Bell Couplings** (26 05 33 13-2388)

26 05 33 13-2396	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	45.55	6.33
			<i>For Work In Restricted Working Space, Add</i>	4.75	
26 05 33 13-2397	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	51.21	7.24
			<i>For Work In Restricted Working Space, Add</i>	5.43	
26 05 33 13-2398	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	53.81	8.14
			<i>For Work In Restricted Working Space, Add</i>	6.11	
26 05 33 13-2399	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	56.36	9.04
			<i>For Work In Restricted Working Space, Add</i>	6.79	
26 05 33 13-2400	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	59.29	9.96
			<i>For Work In Restricted Working Space, Add</i>	7.46	
26 05 33 13-2401	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	68.12	10.86
			<i>For Work In Restricted Working Space, Add</i>	8.14	
26 05 33 13-2402	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	79.86	12.22
			<i>For Work In Restricted Working Space, Add</i>	9.16	
26 05 33 13-2403	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	93.11	13.57
			<i>For Work In Restricted Working Space, Add</i>	10.18	
26 05 33 13-2404	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	106.17	15.84
			<i>For Work In Restricted Working Space, Add</i>	11.88	
26 05 33 13-2405	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	119.22	18.10
			<i>For Work In Restricted Working Space, Add</i>	13.57	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2406	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	143.37 15.27	20.36
26 05 33 13-2407	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	172.10 16.97	22.63
26 05 33 13-2408 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-2368)				
26 05 33 13-2409	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	32.60 4.75	6.33
26 05 33 13-2410	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	36.73 5.43	7.24
26 05 33 13-2411	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	39.19 6.11	8.14
26 05 33 13-2412	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	41.65 6.79	9.04
26 05 33 13-2413	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	44.10 7.46	9.96
26 05 33 13-2414	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	46.47 8.14	10.86
26 05 33 13-2415	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	53.73 9.16	12.22
26 05 33 13-2416	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	61.78 10.18	13.57
26 05 33 13-2417	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	70.91 11.88	15.84
26 05 33 13-2418	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	80.04 13.57	18.10
26 05 33 13-2419	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	94.44 15.27	20.36
26 05 33 13-2420	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	110.94 16.97	22.63
26 05 33 13-2421 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-2368)				
26 05 33 13-2422	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	29.88 2.71	3.62
26 05 33 13-2423	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	33.35 3.05	4.08
26 05 33 13-2424	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	34.73 3.39	4.53
26 05 33 13-2425	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	36.00 3.73	4.98
26 05 33 13-2426	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	37.67 4.07	5.43
26 05 33 13-2427	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	44.53 4.75	6.33
26 05 33 13-2428	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	53.64 5.77	7.69
26 05 33 13-2429	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	63.92 6.79	9.04
26 05 33 13-2430	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	74.71 8.48	11.31
26 05 33 13-2431	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	85.53 10.18	13.57
26 05 33 13-2432	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	104.07 11.88	15.84
26 05 33 13-2433	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial <i>For Work In Restricted Working Space, Add</i>	125.87 13.57	18.10
26 05 33 13-2434 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-2368)				
26 05 33 13-2435	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	79.52 16.97	22.63
26 05 33 13-2436	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	93.35 20.36	27.14
26 05 33 13-2437	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	104.94 23.75	31.67
26 05 33 13-2438	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	116.41 27.14	36.20
26 05 33 13-2439	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	122.66 28.84	38.46
26 05 33 13-2440	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	133.36 30.54	40.71
26 05 33 13-2441	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	145.33 32.24	42.98

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2442	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	158.57	45.24
		<i>For Work In Restricted Working Space, Add</i>	33.93	
26 05 33 13-2443	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	169.91	47.51
		<i>For Work In Restricted Working Space, Add</i>	35.63	
26 05 33 13-2444	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	181.24	49.77
		<i>For Work In Restricted Working Space, Add</i>	37.33	
26 05 33 13-2445	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	201.10	52.03
		<i>For Work In Restricted Working Space, Add</i>	39.02	
26 05 33 13-2446	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	224.51	54.30
		<i>For Work In Restricted Working Space, Add</i>	40.72	
26 05 33 13-2447 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-2368)				
26 05 33 13-2448	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	88.84	22.63
		<i>For Work In Restricted Working Space, Add</i>	16.97	
26 05 33 13-2449	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	103.80	27.14
		<i>For Work In Restricted Working Space, Add</i>	20.36	
26 05 33 13-2450	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	115.45	31.67
		<i>For Work In Restricted Working Space, Add</i>	23.75	
26 05 33 13-2451	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	127.03	36.20
		<i>For Work In Restricted Working Space, Add</i>	27.14	
26 05 33 13-2452	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	133.37	38.46
		<i>For Work In Restricted Working Space, Add</i>	28.84	
26 05 33 13-2453	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	145.59	40.71
		<i>For Work In Restricted Working Space, Add</i>	30.54	
26 05 33 13-2454	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	160.01	42.98
		<i>For Work In Restricted Working Space, Add</i>	32.24	
26 05 33 13-2455	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	176.18	45.24
		<i>For Work In Restricted Working Space, Add</i>	33.93	
26 05 33 13-2456	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	189.73	47.51
		<i>For Work In Restricted Working Space, Add</i>	35.63	
26 05 33 13-2457	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	203.27	49.77
		<i>For Work In Restricted Working Space, Add</i>	37.33	
26 05 33 13-2458	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	228.72	52.03
		<i>For Work In Restricted Working Space, Add</i>	39.02	
26 05 33 13-2459	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	259.04	54.30
		<i>For Work In Restricted Working Space, Add</i>	40.72	
26 05 33 13-2460 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters (26 05 33 13-2368)				
26 05 33 13-2461	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	92.63	6.33
		<i>For Work In Restricted Working Space, Add</i>	4.75	
26 05 33 13-2462	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	103.41	7.24
		<i>For Work In Restricted Working Space, Add</i>	5.43	
26 05 33 13-2463	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	108.29	8.14
		<i>For Work In Restricted Working Space, Add</i>	6.11	
26 05 33 13-2464	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	113.29	9.04
		<i>For Work In Restricted Working Space, Add</i>	6.79	
26 05 33 13-2465	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	116.95	9.96
		<i>For Work In Restricted Working Space, Add</i>	7.46	
26 05 33 13-2466	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	127.97	10.86
		<i>For Work In Restricted Working Space, Add</i>	8.14	
26 05 33 13-2467	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	151.55	12.22
		<i>For Work In Restricted Working Space, Add</i>	9.16	
26 05 33 13-2468	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	179.07	13.57
		<i>For Work In Restricted Working Space, Add</i>	10.18	
26 05 33 13-2469	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	202.88	15.84
		<i>For Work In Restricted Working Space, Add</i>	11.88	
26 05 33 13-2470	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	226.68	18.10
		<i>For Work In Restricted Working Space, Add</i>	13.57	
26 05 33 13-2471	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	277.76	20.36
		<i>For Work In Restricted Working Space, Add</i>	15.27	
26 05 33 13-2472	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	338.37	22.63
		<i>For Work In Restricted Working Space, Add</i>	16.97	
26 05 33 13-2473 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-2368)				
26 05 33 13-2474	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	105.06	22.63
		<i>For Work In Restricted Working Space, Add</i>	16.97	
26 05 33 13-2475	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	121.78	27.14
		<i>For Work In Restricted Working Space, Add</i>	20.36	
26 05 33 13-2476	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	145.78	31.67
		<i>For Work In Restricted Working Space, Add</i>	23.75	
26 05 33 13-2477	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	180.27	36.20
		<i>For Work In Restricted Working Space, Add</i>	27.14	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2478 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	219.23	38.46
For Work In Restricted Working Space, Add	28.84	
26 05 33 13-2479 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	284.23	40.71
For Work In Restricted Working Space, Add	30.54	
26 05 33 13-2480 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	394.51	42.98
For Work In Restricted Working Space, Add	32.24	
26 05 33 13-2481 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	469.07	45.24
For Work In Restricted Working Space, Add	33.93	
26 05 33 13-2482 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	556.54	47.51
For Work In Restricted Working Space, Add	35.63	
26 05 33 13-2483 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	644.01	49.77
For Work In Restricted Working Space, Add	37.33	
26 05 33 13-2484 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	747.27	52.03
For Work In Restricted Working Space, Add	39.02	
26 05 33 13-2485 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	1,183.52	54.30
For Work In Restricted Working Space, Add	40.72	
26 05 33 13-2486 Spacers (26 05 33 13-2057)		
Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-2057 for conduit.		
26 05 33 13-2487 EA 1" Base Spacers, Average 4" Wide, Direct Burial.....	12.01	
26 05 33 13-2488 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial.....	12.91	
26 05 33 13-2489 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	14.30	
26 05 33 13-2490 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	15.37	
26 05 33 13-2491 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	14.43	
26 05 33 13-2492 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	15.47	
26 05 33 13-2493 EA 2" Base Spacer, Average 4" Wide, Direct Burial.....	17.89	
26 05 33 13-2494 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	16.61	
26 05 33 13-2495 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	19.76	
26 05 33 13-2496 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	19.11	
26 05 33 13-2497 EA 3" Base Spacer, Average 4" Wide, Direct Burial.....	22.60	
26 05 33 13-2498 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial.....	21.60	
26 05 33 13-2499 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	24.50	
26 05 33 13-2500 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	23.42	
26 05 33 13-2501 EA 4" Base Spacer, Average 4" Wide, Direct Burial.....	25.24	
26 05 33 13-2502 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	24.09	
26 05 33 13-2503 EA 5" Base Spacer, Average 4" Wide, Direct Burial.....	27.91	
26 05 33 13-2504 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial.....	26.54	
26 05 33 13-2505 EA 6" Base Spacer, Average 4" Wide, Direct Burial.....	31.53	
26 05 33 13-2506 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial.....	30.38	
26 05 33 13-2507 Conduit Field Bending (26 05 33 13-0058)		
Note: Conduit tasks by LF include field bending up to and include 1" conduit.		
26 05 33 13-2508 Metallic Conduit Field Bending (26 05 33 13-2507)		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).		
26 05 33 13-2509 EA 1-1/4" Metallic Conduit Field Bending.....	22.05	
For Aluminum Conduit Bending, Add	14.55	
26 05 33 13-2510 EA 1-1/2" Metallic Conduit Field Bending.....	27.56	
For Aluminum Conduit Bending, Add	18.19	
26 05 33 13-2511 EA 2" Metallic Conduit Field Bending.....	34.45	
For Aluminum Conduit Bending, Add	22.74	
26 05 33 13-2512 EA 2-1/2" Metallic Conduit Field Bending.....	48.23	
For Aluminum Conduit Bending, Add	31.83	
26 05 33 13-2513 EA 3" Metallic Conduit Field Bending.....	62.01	
For Aluminum Conduit Bending, Add	40.93	
26 05 33 13-2514 EA 3-1/2" Metallic Conduit Field Bending.....	82.68	
For Aluminum Conduit Bending, Add	54.57	
26 05 33 13-2515 EA 4" Metallic Conduit Field Bending.....	96.46	
For Aluminum Conduit Bending, Add	63.66	
26 05 33 13-2516 EA 5" Metallic Conduit Field Bending.....	110.23	
For Aluminum Conduit Bending, Add	72.75	
26 05 33 13-2517 EA 6" Metallic Conduit Field Bending.....	130.90	
For Aluminum Conduit Bending, Add	86.39	
26 05 33 13-2518 Plastic Conduit Field Bending (26 05 33 13-2507)		
Note: For PVC conduits.		
26 05 33 13-2519 EA 1" Plastic Conduit Field Bending.....	31.70	
26 05 33 13-2520 EA 1-1/4" Plastic Conduit Field Bending.....	34.45	
26 05 33 13-2521 EA 1-1/2" Plastic Conduit Field Bending.....	41.34	
26 05 33 13-2522 EA 2" Plastic Conduit Field Bending.....	55.12	
26 05 33 13-2523 EA 2-1/2" Plastic Conduit Field Bending.....	68.90	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2524	EA	3" Plastic Conduit Field Bending.....	82.68	
26 05 33 13-2525	EA	3-1/2" Plastic Conduit Field Bending.....	96.46	
26 05 33 13-2526	EA	4" Plastic Conduit Field Bending.....	110.23	
26 05 33 13-2527	EA	5" Plastic Conduit Field Bending.....	124.02	
26 05 33 13-2528	EA	6" Plastic Conduit Field Bending.....	137.80	
26 05 33 13-2529 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0058)				
Note: For use when connecting conduit to an existing in-place system.				
26 05 33 13-2530	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit.....	40.35	
		<i>For Work In Restricted Working Space, Add</i>	12.11	
26 05 33 13-2531	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit.....	44.38	
		<i>For Work In Restricted Working Space, Add</i>	13.31	
26 05 33 13-2532	EA	1", Cut And Thread Existing In-Place Threaded Conduit.....	48.42	
		<i>For Work In Restricted Working Space, Add</i>	14.53	
26 05 33 13-2533	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	52.46	
		<i>For Work In Restricted Working Space, Add</i>	15.74	
26 05 33 13-2534	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	55.15	
		<i>For Work In Restricted Working Space, Add</i>	16.55	
26 05 33 13-2535	EA	2", Cut And Thread Existing In-Place Threaded Conduit.....	57.84	
		<i>For Work In Restricted Working Space, Add</i>	17.35	
26 05 33 13-2536	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	60.53	
		<i>For Work In Restricted Working Space, Add</i>	18.16	
26 05 33 13-2537	EA	3", Cut And Thread Existing In-Place Threaded Conduit.....	63.22	
		<i>For Work In Restricted Working Space, Add</i>	18.97	
26 05 33 13-2538	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	64.56	
		<i>For Work In Restricted Working Space, Add</i>	19.37	
26 05 33 13-2539	EA	4", Cut And Thread Existing In-Place Threaded Conduit.....	65.91	
		<i>For Work In Restricted Working Space, Add</i>	19.77	
26 05 33 13-2540	EA	5", Cut And Thread Existing In-Place Threaded Conduit.....	68.60	
		<i>For Work In Restricted Working Space, Add</i>	20.58	
26 05 33 13-2541	EA	6", Cut And Thread Existing In-Place Threaded Conduit.....	71.29	
		<i>For Work In Restricted Working Space, Add</i>	21.39	
26 05 33 13-2542 Metallic Conduit Bodies (26 05 33 13-0058)				
26 05 33 13-2543 Threaded, Cast Aluminum Conduit Body (26 05 33 13-2542)				
Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)				
26 05 33 13-2544 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2543)				
26 05 33 13-2545	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	69.54	23.56
		<i>For Mogul LB, Add</i>	5.03	
		<i>For Work In Restricted Working Space, Add</i>	17.67	
		<i>For Elevated Installation >10' To 15', Add</i>	5.89	
		<i>For Elevated Installation >15' To 20', Add</i>	11.78	
		<i>For Elevated Installation >20' To 25', Add</i>	14.73	
		<i>For Elevated Installation >25' To 30', Add</i>	20.62	
		<i>For Elevated Installation >30' To 35', Add</i>	23.56	
		<i>For Elevated Installation >35' To 40', Add</i>	29.46	
		<i>For Elevated Installation >40', Add</i>	32.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.67	
26 05 33 13-2546	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	81.93	26.99
		<i>For Mogul LB, Add</i>	7.46	
		<i>For Work In Restricted Working Space, Add</i>	20.25	
		<i>For Elevated Installation >10' To 15', Add</i>	6.75	
		<i>For Elevated Installation >15' To 20', Add</i>	13.50	
		<i>For Elevated Installation >20' To 25', Add</i>	16.87	
		<i>For Elevated Installation >25' To 30', Add</i>	23.62	
		<i>For Elevated Installation >30' To 35', Add</i>	27.00	
		<i>For Elevated Installation >35' To 40', Add</i>	33.75	
		<i>For Elevated Installation >40', Add</i>	37.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.25	
26 05 33 13-2547	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	99.10	31.41
		<i>For Mogul LB, Add</i>	11.49	
		<i>For Work In Restricted Working Space, Add</i>	23.56	
		<i>For Elevated Installation >10' To 15', Add</i>	7.85	
		<i>For Elevated Installation >15' To 20', Add</i>	15.71	
		<i>For Elevated Installation >20' To 25', Add</i>	19.64	
		<i>For Elevated Installation >25' To 30', Add</i>	27.49	
		<i>For Elevated Installation >30' To 35', Add</i>	31.42	
		<i>For Elevated Installation >35' To 40', Add</i>	39.27	
		<i>For Elevated Installation >40', Add</i>	43.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.56	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2548	EA	1-1/4"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	120.28	35.83
			For Mogul LB, Add	18.55	
			For Work In Restricted Working Space, Add	26.87	
			For Elevated Installation >10' To 15', Add	8.96	
			For Elevated Installation >15' To 20', Add	17.92	
			For Elevated Installation >20' To 25', Add	22.40	
			For Elevated Installation >25' To 30', Add	31.35	
			For Elevated Installation >30' To 35', Add	35.83	
			For Elevated Installation >35' To 40', Add	44.79	
			For Elevated Installation >40', Add	49.27	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.87	
26 05 33 13-2549	EA	1-1/2"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	137.78	39.27
			For Mogul LB, Add	24.80	
			For Work In Restricted Working Space, Add	29.45	
			For Elevated Installation >10' To 15', Add	9.82	
			For Elevated Installation >15' To 20', Add	19.63	
			For Elevated Installation >20' To 25', Add	24.54	
			For Elevated Installation >25' To 30', Add	34.36	
			For Elevated Installation >30' To 35', Add	39.27	
			For Elevated Installation >35' To 40', Add	49.09	
			For Elevated Installation >40', Add	53.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-2550	EA	2"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	181.77	47.12
			For Mogul LB, Add	42.09	
			For Work In Restricted Working Space, Add	35.34	
			For Elevated Installation >10' To 15', Add	11.78	
			For Elevated Installation >15' To 20', Add	23.56	
			For Elevated Installation >20' To 25', Add	29.45	
			For Elevated Installation >25' To 30', Add	41.23	
			For Elevated Installation >30' To 35', Add	47.12	
			For Elevated Installation >35' To 40', Add	58.90	
			For Elevated Installation >40', Add	64.79	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.34	
26 05 33 13-2551	EA	2-1/2"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	307.24	66.26
			For Mogul LB, Add	97.90	
			For Work In Restricted Working Space, Add	49.70	
			For Elevated Installation >10' To 15', Add	16.57	
			For Elevated Installation >15' To 20', Add	33.13	
			For Elevated Installation >20' To 25', Add	41.42	
			For Elevated Installation >25' To 30', Add	57.98	
			For Elevated Installation >30' To 35', Add	66.26	
			For Elevated Installation >35' To 40', Add	82.83	
			For Elevated Installation >40', Add	91.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.70	
26 05 33 13-2552	EA	3"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	403.69	88.35
			For Mogul LB, Add	126.06	
			For Work In Restricted Working Space, Add	66.26	
			For Elevated Installation >10' To 15', Add	22.09	
			For Elevated Installation >15' To 20', Add	44.18	
			For Elevated Installation >20' To 25', Add	55.22	
			For Elevated Installation >25' To 30', Add	77.31	
			For Elevated Installation >30' To 35', Add	88.35	
			For Elevated Installation >35' To 40', Add	110.44	
			For Elevated Installation >40', Add	121.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.26	
26 05 33 13-2553	EA	3-1/2"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	537.55	110.44
			For Mogul LB, Add	182.28	
			For Work In Restricted Working Space, Add	82.83	
			For Elevated Installation >10' To 15', Add	27.61	
			For Elevated Installation >15' To 20', Add	55.22	
			For Elevated Installation >20' To 25', Add	69.03	
			For Elevated Installation >25' To 30', Add	96.64	
			For Elevated Installation >30' To 35', Add	110.44	
			For Elevated Installation >35' To 40', Add	138.05	
			For Elevated Installation >40', Add	151.86	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.83	
26 05 33 13-2554	EA	4"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	699.53	134.49
			For Mogul LB, Add	255.66	
			For Work In Restricted Working Space, Add	100.87	
			For Elevated Installation >10' To 15', Add	33.62	
			For Elevated Installation >15' To 20', Add	67.25	
			For Elevated Installation >20' To 25', Add	84.06	
			For Elevated Installation >25' To 30', Add	117.68	
			For Elevated Installation >30' To 35', Add	134.49	
			For Elevated Installation >35' To 40', Add	168.12	
			For Elevated Installation >40', Add	184.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.87	

26 05 33 13-2555 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With
Cover (26 05 33 13-2543)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2556 EA 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	70.84	23.56
For Mogul LB, Add	6.00	
For Work In Restricted Working Space, Add	17.67	
For Elevated Installation >10' To 15', Add	5.89	
For Elevated Installation >15' To 20', Add	11.78	
For Elevated Installation >20' To 25', Add	14.73	
For Elevated Installation >25' To 30', Add	20.62	
For Elevated Installation >30' To 35', Add	23.56	
For Elevated Installation >35' To 40', Add	29.46	
For Elevated Installation >40', Add	32.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.67	
26 05 33 13-2557 EA 3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	83.19	26.99
For Mogul LB, Add	8.40	
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.62	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.25	
26 05 33 13-2558 EA 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	101.64	31.41
For Mogul LB, Add	13.40	
For Work In Restricted Working Space, Add	23.56	
For Elevated Installation >10' To 15', Add	7.85	
For Elevated Installation >15' To 20', Add	15.71	
For Elevated Installation >20' To 25', Add	19.64	
For Elevated Installation >25' To 30', Add	27.49	
For Elevated Installation >30' To 35', Add	31.42	
For Elevated Installation >35' To 40', Add	39.27	
For Elevated Installation >40', Add	43.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.56	
26 05 33 13-2559 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	123.38	35.83
For Mogul LB, Add	20.87	
For Work In Restricted Working Space, Add	26.87	
For Elevated Installation >10' To 15', Add	8.96	
For Elevated Installation >15' To 20', Add	17.92	
For Elevated Installation >20' To 25', Add	22.40	
For Elevated Installation >25' To 30', Add	31.35	
For Elevated Installation >30' To 35', Add	35.83	
For Elevated Installation >35' To 40', Add	44.79	
For Elevated Installation >40', Add	49.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.87	
26 05 33 13-2560 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	143.05	39.27
For Mogul LB, Add	28.75	
For Work In Restricted Working Space, Add	29.45	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-2561 EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	193.08	47.12
For Mogul LB, Add	50.57	
For Work In Restricted Working Space, Add	35.34	
For Elevated Installation >10' To 15', Add	11.78	
For Elevated Installation >15' To 20', Add	23.56	
For Elevated Installation >20' To 25', Add	29.45	
For Elevated Installation >25' To 30', Add	41.23	
For Elevated Installation >30' To 35', Add	47.12	
For Elevated Installation >35' To 40', Add	58.90	
For Elevated Installation >40', Add	64.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.34	
26 05 33 13-2562 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	301.54	66.26
For Mogul LB, Add	93.63	
For Work In Restricted Working Space, Add	49.70	
For Elevated Installation >10' To 15', Add	16.57	
For Elevated Installation >15' To 20', Add	33.13	
For Elevated Installation >20' To 25', Add	41.42	
For Elevated Installation >25' To 30', Add	57.98	
For Elevated Installation >30' To 35', Add	66.26	
For Elevated Installation >35' To 40', Add	82.83	
For Elevated Installation >40', Add	91.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.70	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2563	EA		3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	384.50 111.67 66.26 22.09 44.18 55.22 77.31 88.35 110.44 121.48 66.26	88.35
26 05 33 13-2564	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	553.90 194.55 82.83 27.61 55.22 69.03 96.64 110.44 138.05 151.86 82.83	110.44
26 05 33 13-2565	EA		4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	732.96 280.74 100.87 33.62 67.25 84.06 117.68 134.49 168.12 184.93 100.87	134.49
26 05 33 13-2566			Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover ^(26 05 33 13-2543)		
26 05 33 13-2567	EA		1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.59 20.25 6.75 13.50 16.87 23.62 27.00 33.75 37.12 20.25	26.99
26 05 33 13-2568	EA		3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.69 23.56 7.85 15.71 19.64 27.49 31.42 39.27 43.20 23.56	31.41
26 05 33 13-2569	EA		1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.59 25.77 8.59 17.18 21.48 30.07 34.36 42.95 47.25 25.77	34.36
26 05 33 13-2570	EA		1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.11 29.45 9.82 19.63 24.54 34.36 39.27 49.09 53.99 29.45	39.27
26 05 33 13-2571	EA		1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	158.60 32.40 10.80 21.60 27.00 37.80 43.20 54.00 59.39 32.40	43.20

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2572 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	212.95	50.56
For Work In Restricted Working Space, Add	37.92	
For Elevated Installation >10' To 15', Add	12.64	
For Elevated Installation >15' To 20', Add	25.28	
For Elevated Installation >20' To 25', Add	31.60	
For Elevated Installation >25' To 30', Add	44.24	
For Elevated Installation >30' To 35', Add	50.56	
For Elevated Installation >35' To 40', Add	63.20	
For Elevated Installation >40', Add	69.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.92	
26 05 33 13-2573 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	337.02	73.63
For Work In Restricted Working Space, Add	55.22	
For Elevated Installation >10' To 15', Add	18.41	
For Elevated Installation >15' To 20', Add	36.81	
For Elevated Installation >20' To 25', Add	46.02	
For Elevated Installation >25' To 30', Add	64.42	
For Elevated Installation >30' To 35', Add	73.63	
For Elevated Installation >35' To 40', Add	92.04	
For Elevated Installation >40', Add	101.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.22	
26 05 33 13-2574 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	435.36	95.72
For Work In Restricted Working Space, Add	71.79	
For Elevated Installation >10' To 15', Add	23.93	
For Elevated Installation >15' To 20', Add	47.86	
For Elevated Installation >20' To 25', Add	59.82	
For Elevated Installation >25' To 30', Add	83.75	
For Elevated Installation >30' To 35', Add	95.72	
For Elevated Installation >35' To 40', Add	119.65	
For Elevated Installation >40', Add	131.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.79	
26 05 33 13-2575 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	701.75	117.80
For Work In Restricted Working Space, Add	88.35	
For Elevated Installation >10' To 15', Add	29.45	
For Elevated Installation >15' To 20', Add	58.90	
For Elevated Installation >20' To 25', Add	73.63	
For Elevated Installation >25' To 30', Add	103.08	
For Elevated Installation >30' To 35', Add	117.80	
For Elevated Installation >35' To 40', Add	147.26	
For Elevated Installation >40', Add	161.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.35	
26 05 33 13-2576 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	803.01	141.86
For Work In Restricted Working Space, Add	106.39	
For Elevated Installation >10' To 15', Add	35.46	
For Elevated Installation >15' To 20', Add	70.93	
For Elevated Installation >20' To 25', Add	88.66	
For Elevated Installation >25' To 30', Add	124.12	
For Elevated Installation >30' To 35', Add	141.85	
For Elevated Installation >35' To 40', Add	177.32	
For Elevated Installation >40', Add	195.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.39	
26 05 33 13-2577 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2543)		
26 05 33 13-2578 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	71.10	23.56
For Work In Restricted Working Space, Add	17.67	
For Elevated Installation >10' To 15', Add	5.89	
For Elevated Installation >15' To 20', Add	11.78	
For Elevated Installation >20' To 25', Add	14.73	
For Elevated Installation >25' To 30', Add	20.62	
For Elevated Installation >30' To 35', Add	23.56	
For Elevated Installation >35' To 40', Add	29.46	
For Elevated Installation >40', Add	32.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.67	
26 05 33 13-2579 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	82.30	26.99
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.62	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.25	
26 05 33 13-2580 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	99.38	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.66	
For Elevated Installation >40', Add	42.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2581	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	122.14	35.83
		For Work In Restricted Working Space, Add	26.87	
		For Elevated Installation >10' To 15', Add	8.96	
		For Elevated Installation >15' To 20', Add	17.92	
		For Elevated Installation >20' To 25', Add	22.40	
		For Elevated Installation >25' To 30', Add	31.35	
		For Elevated Installation >30' To 35', Add	35.83	
		For Elevated Installation >35' To 40', Add	44.79	
		For Elevated Installation >40', Add	49.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.87	
26 05 33 13-2582	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	136.91	39.27
		For Work In Restricted Working Space, Add	29.45	
		For Elevated Installation >10' To 15', Add	9.82	
		For Elevated Installation >15' To 20', Add	19.63	
		For Elevated Installation >20' To 25', Add	24.54	
		For Elevated Installation >25' To 30', Add	34.36	
		For Elevated Installation >30' To 35', Add	39.27	
		For Elevated Installation >35' To 40', Add	49.09	
		For Elevated Installation >40', Add	53.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-2583	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	181.86	47.12
		For Work In Restricted Working Space, Add	35.34	
		For Elevated Installation >10' To 15', Add	11.78	
		For Elevated Installation >15' To 20', Add	23.56	
		For Elevated Installation >20' To 25', Add	29.45	
		For Elevated Installation >25' To 30', Add	41.23	
		For Elevated Installation >30' To 35', Add	47.12	
		For Elevated Installation >35' To 40', Add	58.90	
		For Elevated Installation >40', Add	64.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.34	
26 05 33 13-2584	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	296.73	66.26
		For Work In Restricted Working Space, Add	49.70	
		For Elevated Installation >10' To 15', Add	16.57	
		For Elevated Installation >15' To 20', Add	33.13	
		For Elevated Installation >20' To 25', Add	41.42	
		For Elevated Installation >25' To 30', Add	57.98	
		For Elevated Installation >30' To 35', Add	66.26	
		For Elevated Installation >35' To 40', Add	82.83	
		For Elevated Installation >40', Add	91.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.70	
26 05 33 13-2585	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	381.43	88.35
		For Work In Restricted Working Space, Add	66.26	
		For Elevated Installation >10' To 15', Add	22.09	
		For Elevated Installation >15' To 20', Add	44.18	
		For Elevated Installation >20' To 25', Add	55.22	
		For Elevated Installation >25' To 30', Add	77.31	
		For Elevated Installation >30' To 35', Add	88.35	
		For Elevated Installation >35' To 40', Add	110.44	
		For Elevated Installation >40', Add	121.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.26	
26 05 33 13-2586	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	544.07	110.44
		For Work In Restricted Working Space, Add	82.83	
		For Elevated Installation >10' To 15', Add	27.61	
		For Elevated Installation >15' To 20', Add	55.22	
		For Elevated Installation >20' To 25', Add	69.03	
		For Elevated Installation >25' To 30', Add	96.64	
		For Elevated Installation >30' To 35', Add	110.44	
		For Elevated Installation >35' To 40', Add	138.05	
		For Elevated Installation >40', Add	151.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.83	
26 05 33 13-2587	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	702.60	134.49
		For Work In Restricted Working Space, Add	100.87	
		For Elevated Installation >10' To 15', Add	33.62	
		For Elevated Installation >15' To 20', Add	67.25	
		For Elevated Installation >20' To 25', Add	84.06	
		For Elevated Installation >25' To 30', Add	117.68	
		For Elevated Installation >30' To 35', Add	134.49	
		For Elevated Installation >35' To 40', Add	168.12	
		For Elevated Installation >40', Add	184.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.87	
26 05 33 13-2588		Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2543)		
26 05 33 13-2589	EA	1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	94.62	30.92
		For Work In Restricted Working Space, Add	23.19	
		For Elevated Installation >10' To 15', Add	7.73	
		For Elevated Installation >15' To 20', Add	15.46	
		For Elevated Installation >20' To 25', Add	19.33	
		For Elevated Installation >25' To 30', Add	27.06	
		For Elevated Installation >30' To 35', Add	30.92	
		For Elevated Installation >35' To 40', Add	38.66	
		For Elevated Installation >40', Add	42.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2590	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	109.31	34.36
		For Work In Restricted Working Space, Add	25.77	
		For Elevated Installation >10' To 15', Add	8.59	
		For Elevated Installation >15' To 20', Add	17.18	
		For Elevated Installation >20' To 25', Add	21.48	
		For Elevated Installation >25' To 30', Add	30.07	
		For Elevated Installation >30' To 35', Add	34.36	
		For Elevated Installation >35' To 40', Add	42.95	
		For Elevated Installation >40', Add	47.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.77	
26 05 33 13-2591	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	134.10	37.80
		For Work In Restricted Working Space, Add	28.35	
		For Elevated Installation >10' To 15', Add	9.45	
		For Elevated Installation >15' To 20', Add	18.90	
		For Elevated Installation >20' To 25', Add	23.62	
		For Elevated Installation >25' To 30', Add	33.07	
		For Elevated Installation >30' To 35', Add	37.80	
		For Elevated Installation >35' To 40', Add	47.25	
		For Elevated Installation >40', Add	51.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.35	
26 05 33 13-2592	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	154.62	43.20
		For Work In Restricted Working Space, Add	32.40	
		For Elevated Installation >10' To 15', Add	10.80	
		For Elevated Installation >15' To 20', Add	21.60	
		For Elevated Installation >20' To 25', Add	27.00	
		For Elevated Installation >25' To 30', Add	37.80	
		For Elevated Installation >30' To 35', Add	43.20	
		For Elevated Installation >35' To 40', Add	54.00	
		For Elevated Installation >40', Add	59.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.40	
26 05 33 13-2593	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	199.48	47.12
		For Work In Restricted Working Space, Add	35.34	
		For Elevated Installation >10' To 15', Add	11.78	
		For Elevated Installation >15' To 20', Add	23.56	
		For Elevated Installation >20' To 25', Add	29.45	
		For Elevated Installation >25' To 30', Add	41.23	
		For Elevated Installation >30' To 35', Add	47.12	
		For Elevated Installation >35' To 40', Add	58.90	
		For Elevated Installation >40', Add	64.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.34	
26 05 33 13-2594	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	241.12	57.92
		For Work In Restricted Working Space, Add	43.44	
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.96	
		For Elevated Installation >20' To 25', Add	36.20	
		For Elevated Installation >25' To 30', Add	50.68	
		For Elevated Installation >30' To 35', Add	57.92	
		For Elevated Installation >35' To 40', Add	72.40	
		For Elevated Installation >40', Add	79.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.44	
26 05 33 13-2595	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	451.27	84.91
		For Work In Restricted Working Space, Add	63.69	
		For Elevated Installation >10' To 15', Add	21.23	
		For Elevated Installation >15' To 20', Add	42.46	
		For Elevated Installation >20' To 25', Add	53.07	
		For Elevated Installation >25' To 30', Add	74.30	
		For Elevated Installation >30' To 35', Add	84.92	
		For Elevated Installation >35' To 40', Add	106.15	
		For Elevated Installation >40', Add	116.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.69	
26 05 33 13-2596	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	556.06	110.44
		For Work In Restricted Working Space, Add	82.83	
		For Elevated Installation >10' To 15', Add	27.61	
		For Elevated Installation >15' To 20', Add	55.22	
		For Elevated Installation >20' To 25', Add	69.03	
		For Elevated Installation >25' To 30', Add	96.64	
		For Elevated Installation >30' To 35', Add	110.44	
		For Elevated Installation >35' To 40', Add	138.05	
		For Elevated Installation >40', Add	151.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.83	
26 05 33 13-2597	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	795.10	136.45
		For Work In Restricted Working Space, Add	103.08	
		For Elevated Installation >10' To 15', Add	34.36	
		For Elevated Installation >15' To 20', Add	68.72	
		For Elevated Installation >20' To 25', Add	85.90	
		For Elevated Installation >25' To 30', Add	120.26	
		For Elevated Installation >30' To 35', Add	137.44	
		For Elevated Installation >35' To 40', Add	171.80	
		For Elevated Installation >40', Add	188.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.08	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2598	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	960.68	163.95
		For Work In Restricted Working Space, Add	122.96	
		For Elevated Installation >10' To 15', Add	40.99	
		For Elevated Installation >15' To 20', Add	81.97	
		For Elevated Installation >20' To 25', Add	102.47	
		For Elevated Installation >25' To 30', Add	143.45	
		For Elevated Installation >30' To 35', Add	163.94	
		For Elevated Installation >35' To 40', Add	204.93	
		For Elevated Installation >40', Add	225.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	122.96	
26 05 33 13-2599		Threaded, Malleable Iron Conduit Body (26 05 33 13-2542)		
		Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)		
26 05 33 13-2600		Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2599)		
26 05 33 13-2601	EA	1 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	73.17	23.56
		For Work In Restricted Working Space, Add	17.67	
		For Elevated Installation >10' To 15', Add	5.89	
		For Elevated Installation >15' To 20', Add	11.78	
		For Elevated Installation >20' To 25', Add	14.73	
		For Elevated Installation >25' To 30', Add	20.62	
		For Elevated Installation >30' To 35', Add	23.56	
		For Elevated Installation >35' To 40', Add	29.46	
		For Elevated Installation >40', Add	32.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.67	
26 05 33 13-2602	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	84.96	26.99
		For Work In Restricted Working Space, Add	20.24	
		For Elevated Installation >10' To 15', Add	6.75	
		For Elevated Installation >15' To 20', Add	13.50	
		For Elevated Installation >20' To 25', Add	16.87	
		For Elevated Installation >25' To 30', Add	23.62	
		For Elevated Installation >30' To 35', Add	26.99	
		For Elevated Installation >35' To 40', Add	33.74	
		For Elevated Installation >40', Add	37.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.24	
26 05 33 13-2603	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	104.58	31.41
		For Work In Restricted Working Space, Add	23.56	
		For Elevated Installation >10' To 15', Add	7.85	
		For Elevated Installation >15' To 20', Add	15.71	
		For Elevated Installation >20' To 25', Add	19.64	
		For Elevated Installation >25' To 30', Add	27.49	
		For Elevated Installation >30' To 35', Add	31.42	
		For Elevated Installation >35' To 40', Add	39.27	
		For Elevated Installation >40', Add	43.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.56	
26 05 33 13-2604	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	136.31	35.83
		For Work In Restricted Working Space, Add	26.87	
		For Elevated Installation >10' To 15', Add	8.96	
		For Elevated Installation >15' To 20', Add	17.92	
		For Elevated Installation >20' To 25', Add	22.40	
		For Elevated Installation >25' To 30', Add	31.35	
		For Elevated Installation >30' To 35', Add	35.83	
		For Elevated Installation >35' To 40', Add	44.79	
		For Elevated Installation >40', Add	49.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.87	
26 05 33 13-2605	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	155.48	39.27
		For Work In Restricted Working Space, Add	29.45	
		For Elevated Installation >10' To 15', Add	9.82	
		For Elevated Installation >15' To 20', Add	19.63	
		For Elevated Installation >20' To 25', Add	24.54	
		For Elevated Installation >25' To 30', Add	34.36	
		For Elevated Installation >30' To 35', Add	39.27	
		For Elevated Installation >35' To 40', Add	49.09	
		For Elevated Installation >40', Add	53.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-2606	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	213.73	47.12
		For Work In Restricted Working Space, Add	35.34	
		For Elevated Installation >10' To 15', Add	11.78	
		For Elevated Installation >15' To 20', Add	23.56	
		For Elevated Installation >20' To 25', Add	29.45	
		For Elevated Installation >25' To 30', Add	41.23	
		For Elevated Installation >30' To 35', Add	47.12	
		For Elevated Installation >35' To 40', Add	58.91	
		For Elevated Installation >40', Add	64.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.34	
26 05 33 13-2607	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	362.01	66.26
		For Work In Restricted Working Space, Add	49.70	
		For Elevated Installation >10' To 15', Add	16.57	
		For Elevated Installation >15' To 20', Add	33.13	
		For Elevated Installation >20' To 25', Add	41.42	
		For Elevated Installation >25' To 30', Add	57.98	
		For Elevated Installation >30' To 35', Add	66.27	
		For Elevated Installation >35' To 40', Add	82.84	
		For Elevated Installation >40', Add	91.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.70	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2608 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	513.78 66.27 22.09 44.18 55.22 77.31 88.36 110.45 121.49 66.27	88.35
26 05 33 13-2609 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	709.70 82.83 27.61 55.22 69.03 96.64 110.44 138.05 151.86 82.83	110.44
26 05 33 13-2610 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	848.97 100.87 33.62 67.25 84.06 117.68 134.49 168.12 184.93 100.87	134.49
26 05 33 13-2611 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2599)		
26 05 33 13-2612 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.46 17.67	23.56
26 05 33 13-2613 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.93 20.24	26.99
26 05 33 13-2614 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.62 23.56	31.41
26 05 33 13-2615 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	139.68 26.87	35.83
26 05 33 13-2616 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.61 29.45	39.27
26 05 33 13-2617 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	205.25 35.34	47.12
26 05 33 13-2618 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	314.93 49.70	66.26
26 05 33 13-2619 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	429.12 66.27	88.35
26 05 33 13-2620 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	759.56 82.83	110.44
26 05 33 13-2621 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	885.74 100.87	134.49
26 05 33 13-2622 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2599)		
26 05 33 13-2623 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.02 20.25 6.75 13.50 16.87 23.62 27.00 33.75 37.12 20.25	26.99
26 05 33 13-2624 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.28 23.93 7.98 15.95 19.94 27.92 31.90 39.88 43.87 23.93	31.41



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2625	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	127.53	34.36
		For Work In Restricted Working Space, Add	25.77	
		For Elevated Installation >10' To 15', Add	8.59	
		For Elevated Installation >15' To 20', Add	17.18	
		For Elevated Installation >20' To 25', Add	21.48	
		For Elevated Installation >25' To 30', Add	30.07	
		For Elevated Installation >30' To 35', Add	34.36	
		For Elevated Installation >35' To 40', Add	42.95	
		For Elevated Installation >40', Add	47.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.77	
26 05 33 13-2626	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	161.44	39.27
		For Work In Restricted Working Space, Add	29.08	
		For Elevated Installation >10' To 15', Add	9.69	
		For Elevated Installation >15' To 20', Add	19.39	
		For Elevated Installation >20' To 25', Add	24.24	
		For Elevated Installation >25' To 30', Add	33.93	
		For Elevated Installation >30' To 35', Add	38.78	
		For Elevated Installation >35' To 40', Add	48.47	
		For Elevated Installation >40', Add	53.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.08	
26 05 33 13-2627	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	185.49	43.20
		For Work In Restricted Working Space, Add	32.40	
		For Elevated Installation >10' To 15', Add	10.80	
		For Elevated Installation >15' To 20', Add	21.60	
		For Elevated Installation >20' To 25', Add	27.00	
		For Elevated Installation >25' To 30', Add	37.80	
		For Elevated Installation >30' To 35', Add	43.20	
		For Elevated Installation >35' To 40', Add	54.00	
		For Elevated Installation >40', Add	59.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.40	
26 05 33 13-2628	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	247.81	50.56
		For Work In Restricted Working Space, Add	37.92	
		For Elevated Installation >10' To 15', Add	12.64	
		For Elevated Installation >15' To 20', Add	25.28	
		For Elevated Installation >20' To 25', Add	31.60	
		For Elevated Installation >25' To 30', Add	44.24	
		For Elevated Installation >30' To 35', Add	50.56	
		For Elevated Installation >35' To 40', Add	63.20	
		For Elevated Installation >40', Add	69.51	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.92	
26 05 33 13-2629	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	311.46	73.63
		For Work In Restricted Working Space, Add	55.22	
		For Elevated Installation >10' To 15', Add	18.41	
		For Elevated Installation >15' To 20', Add	36.81	
		For Elevated Installation >20' To 25', Add	46.02	
		For Elevated Installation >25' To 30', Add	64.42	
		For Elevated Installation >30' To 35', Add	73.63	
		For Elevated Installation >35' To 40', Add	92.04	
		For Elevated Installation >40', Add	101.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.22	
26 05 33 13-2630	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	450.98	95.72
		For Work In Restricted Working Space, Add	71.79	
		For Elevated Installation >10' To 15', Add	23.93	
		For Elevated Installation >15' To 20', Add	47.86	
		For Elevated Installation >20' To 25', Add	59.82	
		For Elevated Installation >25' To 30', Add	83.75	
		For Elevated Installation >30' To 35', Add	95.72	
		For Elevated Installation >35' To 40', Add	119.65	
		For Elevated Installation >40', Add	131.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.79	
26 05 33 13-2631	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	800.99	117.80
		For Work In Restricted Working Space, Add	88.35	
		For Elevated Installation >10' To 15', Add	29.45	
		For Elevated Installation >15' To 20', Add	58.90	
		For Elevated Installation >20' To 25', Add	73.63	
		For Elevated Installation >25' To 30', Add	103.08	
		For Elevated Installation >30' To 35', Add	117.80	
		For Elevated Installation >35' To 40', Add	147.26	
		For Elevated Installation >40', Add	161.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.35	
26 05 33 13-2632	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	925.28	141.86
		For Work In Restricted Working Space, Add	106.76	
		For Elevated Installation >10' To 15', Add	35.59	
		For Elevated Installation >15' To 20', Add	71.17	
		For Elevated Installation >20' To 25', Add	88.97	
		For Elevated Installation >25' To 30', Add	124.55	
		For Elevated Installation >30' To 35', Add	142.35	
		For Elevated Installation >35' To 40', Add	177.94	
		For Elevated Installation >40', Add	195.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.76	

26 05 33 13-2633 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2599)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2634 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	73.40	23.56
For Work In Restricted Working Space, Add	17.67	
For Elevated Installation >10' To 15', Add	5.89	
For Elevated Installation >15' To 20', Add	11.78	
For Elevated Installation >20' To 25', Add	14.73	
For Elevated Installation >25' To 30', Add	20.62	
For Elevated Installation >30' To 35', Add	23.56	
For Elevated Installation >35' To 40', Add	29.45	
For Elevated Installation >40', Add	32.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.67	
26 05 33 13-2635 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	89.23	26.99
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.87	
For Elevated Installation >25' To 30', Add	23.62	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.25	
26 05 33 13-2636 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	104.54	30.92
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.66	
For Elevated Installation >40', Add	42.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-2637 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	142.53	35.83
For Work In Restricted Working Space, Add	26.88	
For Elevated Installation >10' To 15', Add	8.96	
For Elevated Installation >15' To 20', Add	17.92	
For Elevated Installation >20' To 25', Add	22.40	
For Elevated Installation >25' To 30', Add	31.36	
For Elevated Installation >30' To 35', Add	35.84	
For Elevated Installation >35' To 40', Add	44.80	
For Elevated Installation >40', Add	49.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.88	
26 05 33 13-2638 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	167.13	39.27
For Work In Restricted Working Space, Add	29.45	
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.36	
For Elevated Installation >30' To 35', Add	39.27	
For Elevated Installation >35' To 40', Add	49.09	
For Elevated Installation >40', Add	53.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-2639 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	217.05	47.12
For Work In Restricted Working Space, Add	35.34	
For Elevated Installation >10' To 15', Add	11.78	
For Elevated Installation >15' To 20', Add	23.56	
For Elevated Installation >20' To 25', Add	29.45	
For Elevated Installation >25' To 30', Add	41.23	
For Elevated Installation >30' To 35', Add	47.12	
For Elevated Installation >35' To 40', Add	58.90	
For Elevated Installation >40', Add	64.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.34	
26 05 33 13-2640 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	481.21	124.31
For Work In Restricted Working Space, Add	93.19	
For Elevated Installation >10' To 15', Add	31.06	
For Elevated Installation >15' To 20', Add	62.13	
For Elevated Installation >20' To 25', Add	77.66	
For Elevated Installation >25' To 30', Add	108.72	
For Elevated Installation >30' To 35', Add	124.25	
For Elevated Installation >35' To 40', Add	155.32	
For Elevated Installation >40', Add	170.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.19	
26 05 33 13-2641 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	464.68	88.35
For Work In Restricted Working Space, Add	66.27	
For Elevated Installation >10' To 15', Add	22.09	
For Elevated Installation >15' To 20', Add	44.18	
For Elevated Installation >20' To 25', Add	55.22	
For Elevated Installation >25' To 30', Add	77.31	
For Elevated Installation >30' To 35', Add	88.36	
For Elevated Installation >35' To 40', Add	110.45	
For Elevated Installation >40', Add	121.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.27	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2642	EA	3-1/2"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	759.56 82.83 27.61 55.22 69.03 96.64 110.44 138.05 151.86 82.83	110.44
26 05 33 13-2643	EA	4"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	885.72 100.86 33.62 67.24 84.05 117.67 134.48 168.11 184.92 100.86	134.49
26 05 33 13-2644 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2599)					
26 05 33 13-2645	EA	1/2"	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.40 23.19 7.73 15.46 19.33 27.06 30.92 38.66 42.52 23.19	30.92
26 05 33 13-2646	EA	3/4"	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.96 25.77 8.59 17.18 21.48 30.07 34.36 42.95 47.25 25.77	34.36
26 05 33 13-2647	EA	1"	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.63 28.35 9.45 18.90 23.62 33.07 37.80 47.25 51.97 28.35	37.80
26 05 33 13-2648	EA	1-1/4"	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.03 32.40 10.80 21.60 27.00 37.80 43.20 54.00 59.39 32.40	43.20
26 05 33 13-2649	EA	1-1/2"	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	181.79 35.34 11.78 23.56 29.45 41.23 47.12 58.90 64.79 35.34	47.12
26 05 33 13-2650	EA	2"	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	256.19 43.44 14.48 28.96 36.20 50.68 57.92 72.40 79.64 43.44	57.92

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2651 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	411.17 63.69 21.23 42.46 53.07 74.30 84.92 106.15 116.76 63.69	84.91
26 05 33 13-2652 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	606.59 82.83 27.61 55.22 69.03 96.64 110.44 138.05 151.86 82.83	110.44
26 05 33 13-2653 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	912.64 102.34 34.11 68.23 85.29 119.40 136.46 170.57 187.63 102.34	136.45
26 05 33 13-2654 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,016.65 122.96 40.99 81.97 102.47 143.45 163.94 204.93 225.42 122.96	163.95
26 05 33 13-2655 Set Screw, Cast Aluminum Conduit Body (26 05 33 13-2542) Note: For use with Electrical Metallic Tubing (EMT)		
26 05 33 13-2656 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2655)		
26 05 33 13-2657 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.69 6.99 2.33 4.66 5.83 8.16 9.32 11.66 12.82 6.99	9.32
26 05 33 13-2658 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.55 9.20 3.07 6.14 7.67 10.74 12.27 15.34 16.87 9.20	12.27
26 05 33 13-2659 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.05 11.41 3.80 7.61 9.51 13.31 15.22 19.02 20.92 11.41	15.21
26 05 33 13-2660 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.78 13.99 4.66 9.33 11.66 16.32 18.65 23.32 25.65 13.99	18.65



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2661	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.11 16.20 5.40 10.80 13.50 18.90 21.60 27.00 29.69 16.20	21.60
26 05 33 13-2662	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.12 18.41 6.14 12.27 15.34 21.48 24.54 30.68 33.75 18.41	24.55
26 05 33 13-2663		Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2655)		
26 05 33 13-2664	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.02 6.99 2.33 4.66 5.83 8.16 9.32 11.66 12.82 6.99	9.32
26 05 33 13-2665	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.86 9.20 3.07 6.14 7.67 10.74 12.27 15.34 16.87 9.20	12.27
26 05 33 13-2666	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.50 11.41 3.80 7.61 9.51 13.31 15.22 19.02 20.92 11.41	15.21
26 05 33 13-2667	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.40 13.99 4.66 9.33 11.66 16.32 18.65 23.32 25.65 13.99	18.65
26 05 33 13-2668	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.56 16.20 5.40 10.80 13.50 18.90 21.60 27.00 29.69 16.20	21.60
26 05 33 13-2669	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.47 18.41 6.14 12.27 15.34 21.48 24.54 30.68 33.75 18.41	24.55

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-2670	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ⁽²⁶			
26 05 33 13-2671	EA 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.26 9.20 3.07 6.14 7.67 10.74 12.27 15.34 16.87 9.20	12.27	
26 05 33 13-2672	EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.49 11.41 3.80 7.61 9.51 13.31 15.22 19.02 20.92 11.41	15.21	
26 05 33 13-2673	EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.87 13.99 4.66 9.33 11.66 16.32 18.65 23.32 25.65 13.99	18.65	
26 05 33 13-2674	EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.76 16.94 5.65 11.29 14.11 19.76 22.58 28.23 31.05 16.94	21.60	
26 05 33 13-2675	EA 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.20 19.88 6.63 13.25 16.57 23.19 26.50 33.13 36.44 19.88	24.55	
26 05 33 13-2676	EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.13 22.82 7.61 15.22 19.02 26.63 30.43 38.04 41.84 22.82	27.48	
26 05 33 13-2677	Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ^{(26 05}			
26 05 33 13-2678	EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.13 6.99 2.33 4.66 5.83 8.16 9.32 11.66 12.82 6.99	9.32	
26 05 33 13-2679	EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.76 9.20 3.07 6.14 7.67 10.74 12.27 15.34 16.87 9.20	12.27	



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2680	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.70 11.41 3.80 7.61 9.51 13.31 15.22 19.02 20.92 11.41	15.21
26 05 33 13-2681	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.75 13.99 4.66 9.33 11.66 16.32 18.65 23.32 25.65 13.99	18.65
26 05 33 13-2682	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.92 16.20 5.40 10.80 13.50 18.90 21.60 27.00 29.69 16.20	21.60
26 05 33 13-2683	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.07 18.41 6.14 12.27 15.34 21.48 24.54 30.68 33.75 18.41	24.55
26 05 33 13-2684		Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-2542)		
26 05 33 13-2685	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.44 20.17	26.87
26 05 33 13-2686	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	636.64 37.29	49.69
26 05 33 13-2687	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,225.03 75.65	100.87
26 05 33 13-2688		Replacement Covers And Gaskets For Conduit Body (26 05 33 13-2542)		
26 05 33 13-2689		Replacement Stamped Aluminum Conduit Body Cover (26 05 33 13-2688)		
26 05 33 13-2690	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	13.05	4.78
26 05 33 13-2691	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	16.04	5.58
26 05 33 13-2692	EA	1" Replacement Stamped Aluminum Conduit Body Cover	20.53	7.18
26 05 33 13-2693	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	24.99	8.77
26 05 33 13-2694	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	30.82	10.37
26 05 33 13-2695	EA	2" Replacement Stamped Aluminum Conduit Body Cover	36.62	11.97
26 05 33 13-2696	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	49.08	13.56
26 05 33 13-2697	EA	3" Replacement Stamped Aluminum Conduit Body Cover	62.90	19.14
26 05 33 13-2698	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	68.24	21.54
26 05 33 13-2699	EA	4" Replacement Stamped Aluminum Conduit Body Cover	85.98	27.12
26 05 33 13-2700		Replacement Cast Steel Conduit Body Cover (26 05 33 13-2688)		
26 05 33 13-2701	EA	1/2" Replacement Cast Steel Conduit Body Cover	15.43	4.78
26 05 33 13-2702	EA	3/4" Replacement Cast Steel Conduit Body Cover	18.11	5.58
26 05 33 13-2703	EA	1" Replacement Cast Steel Conduit Body Cover	25.63	7.18
26 05 33 13-2704	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	31.90	8.77
26 05 33 13-2705	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	38.86	10.37
26 05 33 13-2706	EA	2" Replacement Cast Steel Conduit Body Cover	45.82	11.97
26 05 33 13-2707	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	52.73	13.56
26 05 33 13-2708	EA	3" Replacement Cast Steel Conduit Body Cover	71.53	19.14
26 05 33 13-2709	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	81.83	21.54
26 05 33 13-2710	EA	4" Replacement Cast Steel Conduit Body Cover	103.18	27.12
26 05 33 13-2711		Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2688)		
26 05 33 13-2712	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	11.99	4.78
26 05 33 13-2713	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	13.67	5.58

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2714 EA 1" Replacement Velbuna Composition Conduit Body Gasket.....	17.88	7.18
26 05 33 13-2715 EA 1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....	23.39	8.77
26 05 33 13-2716 EA 1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	26.58	10.37
26 05 33 13-2717 EA 2" Replacement Velbuna Composition Conduit Body Gasket.....	31.72	11.97
26 05 33 13-2718 EA 2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	42.38	13.56
26 05 33 13-2719 EA 3" Replacement Velbuna Composition Conduit Body Gasket.....	54.53	19.14
26 05 33 13-2720 EA 3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	60.32	21.54
26 05 33 13-2721 EA 4" Replacement Velbuna Composition Conduit Body Gasket.....	71.36	27.12

26 05 33 13-2722 Replacement Neoprene Conduit Body Gasket (26 05 33 13-2688)

26 05 33 13-2723 EA 1/2" Replacement Neoprene Conduit Body Gasket.....	13.64	4.78
26 05 33 13-2724 EA 3/4" Replacement Neoprene Conduit Body Gasket.....	15.24	5.58
26 05 33 13-2725 EA 1" Replacement Neoprene Conduit Body Gasket.....	19.94	7.18
26 05 33 13-2726 EA 1-1/4" Replacement Neoprene Conduit Body Gasket.....	24.44	8.77
26 05 33 13-2727 EA 1-1/2" Replacement Neoprene Conduit Body Gasket.....	27.63	10.37
26 05 33 13-2728 EA 2" Replacement Neoprene Conduit Body Gasket.....	31.83	11.97
26 05 33 13-2729 EA 2-1/2" Replacement Neoprene Conduit Body Gasket.....	42.64	13.56
26 05 33 13-2730 EA 3" Replacement Neoprene Conduit Body Gasket.....	54.79	19.14
26 05 33 13-2731 EA 3-1/2" Replacement Neoprene Conduit Body Gasket.....	62.08	21.54
26 05 33 13-2732 EA 4" Replacement Neoprene Conduit Body Gasket.....	73.12	27.12

26 05 33 13-2733 Cutting Knockouts In-Place Metal Boxes Or Enclosures (26 05 33 13-0058)

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2734 EA 1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	20.31	
For Work In Restricted Working Space, Add	6.09	
26 05 33 13-2735 EA 3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	22.87	
For Work In Restricted Working Space, Add	6.86	
26 05 33 13-2736 EA 1", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	26.90	
For Work In Restricted Working Space, Add	8.07	
26 05 33 13-2737 EA 1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	29.86	
For Work In Restricted Working Space, Add	8.96	
26 05 33 13-2738 EA 1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	33.63	
For Work In Restricted Working Space, Add	10.09	
26 05 33 13-2739 EA 2", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	39.82	
For Work In Restricted Working Space, Add	11.95	
26 05 33 13-2740 EA 2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	47.07	
For Work In Restricted Working Space, Add	14.12	
26 05 33 13-2741 EA 3", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	53.81	
For Work In Restricted Working Space, Add	16.14	
26 05 33 13-2742 EA 3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	60.53	
For Work In Restricted Working Space, Add	18.16	
26 05 33 13-2743 EA 4", Cutting Knockouts In-Place Metal Boxes Or Enclosures.....	67.25	
For Work In Restricted Working Space, Add	20.18	

26 05 33 13-2744 Buried Pipe Or Conduit Wrap (26 05 33 13)**26 05 33 13-2745 All-Weather Corrosion Protection Tape For Pipe Or Conduit (26 05 33 13-2744)**

Note: Priced by the linear feet of pipe or conduit the tape is installed on.

26 05 33 13-2746 LF Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	2.82	
26 05 33 13-2747 LF Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	3.25	
26 05 33 13-2748 LF Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	3.75	
26 05 33 13-2749 LF Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	4.31	
26 05 33 13-2750 LF Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	4.91	
26 05 33 13-2751 LF Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	5.89	
26 05 33 13-2752 LF Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	6.54	
26 05 33 13-2753 LF Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	7.22	
26 05 33 13-2754 LF Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	8.98	
26 05 33 13-2755 LF Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	10.36	
26 05 33 13-2756 LF Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50).....	11.76	
26 05 33 13-2757 LF Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	2.84	
26 05 33 13-2758 LF Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	3.37	
26 05 33 13-2759 LF Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	3.92	
26 05 33 13-2760 LF Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	4.52	
26 05 33 13-2761 LF Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	5.18	
26 05 33 13-2762 LF Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	6.27	
26 05 33 13-2763 LF Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	7.14	
26 05 33 13-2764 LF Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	8.08	
26 05 33 13-2765 LF Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	10.15	
26 05 33 13-2766 LF Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	11.83	
26 05 33 13-2767 LF Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51).....	13.51	

26 05 33 16 Boxes for Electrical Systems (26 05 33)

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0001	Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)		
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0128 for steel box/switch assemblies.			
26 05 33 16-0002	4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0003	EA 1-1/2" Depth, 4" Square Steel Box.....	42.74	20.15
	For Stud Bracket, Add.....	0.60	
26 05 33 16-0004	EA 2-1/8" Depth, 4" Square Steel Box.....	43.85	20.15
	For Stud Bracket, Add.....	1.08	
26 05 33 16-0005	EA 3-1/2" Depth, 4" Square Steel Box.....	47.67	20.15
	For Stud Bracket, Add.....	1.18	
26 05 33 16-0006	EA 1-1/2" Depth, 4" Square Steel Extension Ring.....	32.30	13.43
26 05 33 16-0007	EA 2-1/8" Depth, 4" Square Steel Extension Ring.....	28.44	13.43
26 05 33 16-0008	EA 1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	14.60	6.71
26 05 33 16-0009	EA 5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	14.77	6.71
26 05 33 16-0010	EA 3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	14.90	6.71
26 05 33 16-0011	EA 1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	15.32	6.71
26 05 33 16-0012	EA 1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	15.44	6.71
26 05 33 16-0013	EA 1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	16.76	6.71
26 05 33 16-0014	EA 1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	15.10	6.71
26 05 33 16-0015	EA 5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	15.22	6.71
26 05 33 16-0016	EA 3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	15.38	6.71
26 05 33 16-0017	EA 1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	16.73	6.71
26 05 33 16-0018	EA 1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	17.01	6.71
26 05 33 16-0019	EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	18.73	6.71
26 05 33 16-0020	EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	15.76	6.71
26 05 33 16-0021	EA 1" Depth, Fixture Cover, 4" Square Mud Rings.....	16.85	6.71
26 05 33 16-0022	EA One Toggle Switch, 4" Square Steel Exposed Work Cover.....	15.08	6.71
26 05 33 16-0023	EA Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	15.18	6.71
26 05 33 16-0024	EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	15.05	6.71
26 05 33 16-0025	EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	15.34	6.71
26 05 33 16-0026	EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	15.59	6.71
26 05 33 16-0027	EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.62	6.71
26 05 33 16-0028	EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.54	6.71
26 05 33 16-0029	EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	18.62	6.71
26 05 33 16-0030	EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.54	6.71
26 05 33 16-0031	EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	16.25	6.71
26 05 33 16-0032	EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.62	6.71
26 05 33 16-0033	EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.62	6.71
26 05 33 16-0034	EA Flat, 4" Square Steel Exposed Work Cover.....	14.21	6.71
26 05 33 16-0035	4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0036	EA 1-1/2" Depth, 4-11/16" Square Steel Box.....	46.85	20.15
26 05 33 16-0037	EA 2-1/8" Depth, 4-11/16" Square Steel Box.....	44.34	20.15
	For Stud Bracket, Add.....	0.57	
26 05 33 16-0038	EA 3-1/4" Depth, 4-11/16" Square Steel Box.....	56.97	20.15
26 05 33 16-0039	EA 1-1/2" Depth, 4-11/16" Square Extension Ring.....	33.35	13.43
26 05 33 16-0040	EA 2-1/8" Depth, 4-11/16" Square Extension Ring.....	33.97	13.43
26 05 33 16-0041	EA 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.11	6.71
26 05 33 16-0042	EA 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.14	6.71
26 05 33 16-0043	EA 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	18.21	6.71
26 05 33 16-0044	EA 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.78	6.71
26 05 33 16-0045	EA 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.69	6.71
26 05 33 16-0046	EA 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	22.15	6.71
26 05 33 16-0047	EA 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.97	6.71
26 05 33 16-0048	EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.20	6.71
26 05 33 16-0049	EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.21	6.71
26 05 33 16-0050	EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.79	6.71
26 05 33 16-0051	EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	20.12	6.71
26 05 33 16-0052	EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.94	6.71
26 05 33 16-0053	EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	17.76	6.71
26 05 33 16-0054	EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	17.87	6.71
26 05 33 16-0055	EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	20.83	6.71
26 05 33 16-0056	EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	21.66	6.71
26 05 33 16-0057	EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.59	6.71
26 05 33 16-0058	EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	19.68	6.71
26 05 33 16-0059	EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	22.70	6.71
26 05 33 16-0060	EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.65	6.71
26 05 33 16-0061	EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.65	6.71
26 05 33 16-0062	EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.65	6.71
26 05 33 16-0063	EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	14.89	6.71
26 05 33 16-0064	Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065	EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	21.30	10.09
26 05 33 16-0066	EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	15.19	6.72
26 05 33 16-0067	EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	23.99	10.09
26 05 33 16-0068	EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	25.37	10.09

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	35.58	16.78
For Stud Bracket, Add	1.46	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	36.56	16.78
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover	14.15	6.71
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring	58.13	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring	61.53	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring	64.41	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring	67.22	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring	72.58	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring	78.11	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring	82.58	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover	15.49	6.71
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	49.36	16.78
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	54.05	18.14
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	64.10	20.15
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	81.45	22.16
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	116.13	24.18
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	64.38	16.78
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	70.06	18.14
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	91.13	20.15
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	115.06	22.16
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	182.59	24.18
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	21.24	6.71
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	21.50	6.71
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	24.39	6.71
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	29.37	6.71
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	40.28	6.71
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover	18.76	6.71
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover	21.47	6.71
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover	25.07	6.71
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover	29.65	6.71
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover	41.06	6.71
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	37.46	16.78
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	37.88	16.78
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	40.05	16.78
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	44.92	16.78
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	45.34	16.78
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	51.95	16.78
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box	35.48	16.78
For Stud Bracket, Add	2.35	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box	35.93	16.78
For Stud Bracket, Add	1.01	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box	36.92	16.78
For Stud Bracket, Add	1.38	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	22.88	10.07
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	22.43	10.07
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	7.69	3.36
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.78	3.36
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.36	3.36
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	7.38	3.36
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	8.24	3.36
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover	7.38	3.36
26 05 33 16-0122 3-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)		
26 05 33 16-0123 EA 1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	52.28	23.51
26 05 33 16-0124 EA 2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	57.66	24.85
26 05 33 16-0125 EA 3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	65.16	26.86
26 05 33 16-0126 EA 4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	73.62	29.55
26 05 33 16-0127 Cast Boxes (26 05 33 16)		
Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes (26 05 33 16-0127)		
See CSI section 26 27 26 00-0265 for box covers.		



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0129	Shallow, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33	16-0130	EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.	122.46	40.29
26 05 33	16-0131	EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.	130.42	47.00
26 05 33	16-0132	EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.	152.84	57.08
26 05 33	16-0133	EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hub.	151.64	53.73
26 05 33	16-0134	EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hub.	195.89	63.80
26 05 33	16-0135	EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hub.	150.92	53.73
26 05 33	16-0136	EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	181.83	63.80
26 05 33	16-0137	EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	155.45	53.73
26 05 33	16-0138	EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	181.90	63.80
26 05 33	16-0139	EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	150.92	53.73
26 05 33	16-0140	EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	176.32	63.80
26 05 33	16-0141	EA 1/2" Depth, Type FSCL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	178.53	67.15
26 05 33	16-0142	EA 3/4" Depth, Type FSCL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	210.83	80.58
26 05 33	16-0143	EA 1/2" Depth, Type FSCL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	187.20	67.15
26 05 33	16-0144	EA 3/4" Depth, Type FSCL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	243.89	80.58
26 05 33	16-0145	EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	192.87	67.15
26 05 33	16-0146	EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	230.29	80.58
26 05 33	16-0147	EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	177.79	67.15
26 05 33	16-0148	EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	234.12	80.58
26 05 33	16-0149	EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	228.73	80.58
26 05 33	16-0150	EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	275.88	97.37
26 05 33	16-0151	Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33	16-0152	EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	128.84	40.29
26 05 33	16-0153	EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	148.14	47.00
26 05 33	16-0154	EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	173.29	57.08
26 05 33	16-0155	EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	163.31	53.73
26 05 33	16-0156	EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	187.84	63.80
26 05 33	16-0157	EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	225.54	77.22
26 05 33	16-0158	EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	203.75	63.80
26 05 33	16-0159	EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	262.74	80.58
26 05 33	16-0160	Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33	16-0161	EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	149.26	43.65
26 05 33	16-0162	EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	164.57	50.36
26 05 33	16-0163	EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	190.40	60.44
26 05 33	16-0164	EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	179.18	57.08
26 05 33	16-0165	EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	202.61	67.15
26 05 33	16-0166	Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	168.43	43.65
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	182.60	50.36
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	208.04	57.08
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	233.09	67.15
26 05 33 16-0171		Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0265 for box covers.		
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	109.03	33.58
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	124.13	40.29
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	135.74	50.36
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	101.59	33.58
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	129.37	40.29
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	136.62	47.00
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	163.88	57.08
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	206.09	70.51
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	149.55	47.00
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	157.58	57.08
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	142.20	47.00
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	161.98	57.08
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	137.44	47.00
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	161.98	57.08
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	126.47	47.00
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	173.65	57.08
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	160.89	60.44
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	195.32	73.87
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	172.26	60.44
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	234.73	73.87
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	171.31	60.44
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	210.31	73.87
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	213.69	73.87
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	208.83	73.87
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	254.70	90.66
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	122.22	33.58
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	146.39	40.29
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	166.35	50.36
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	158.43	40.29
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	153.67	47.00
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	184.83	57.08
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	204.12	70.51
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	187.62	57.08



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	227.90	73.87
26 05 33 16-0208		Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	147.41	36.93
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	168.28	43.65
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	178.02	53.73
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	182.60	50.36
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	182.68	60.44
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	225.98	73.87
26 05 33 16-0215		Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	147.26	36.93
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	170.08	43.65
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	186.72	50.36
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	210.27	60.44
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	186.72	50.36
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	210.27	60.44
26 05 33 16-0222		Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	195.63	53.73
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	218.13	63.80
26 05 33 16-0225		Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	228.63	47.00
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	253.00	57.08
26 05 33 16-0228		Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	234.57	53.73
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	293.22	60.44
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	263.43	67.15
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body Note: One hub.	259.58	60.44
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA Note: One hub.	319.15	67.15
26 05 33 16-0234		Non-Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0265 for box covers.		
26 05 33 16-0235		Shallow, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	69.61	28.21
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	79.43	32.91
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	90.06	39.96
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	88.83	37.61
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	104.29	44.66
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	126.50	54.06
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	89.17	37.61
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	103.35	44.66
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	123.31	54.06

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	112.70	47.00
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	127.80	56.41
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	150.21	68.16
26 05 33 16-0248		Deep, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	70.64	28.21
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	68.84	28.21
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	81.87	32.91
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	91.06	39.96
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	90.85	37.61
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	101.64	44.66
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	121.34	54.06
26 05 33 16-0256		Shallow, Two Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	74.85	30.55
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	85.69	35.26
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	94.94	42.30
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	91.28	39.96
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	113.38	47.00
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	133.98	56.41
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	93.67	39.96
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	120.00	47.00
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	128.67	56.41
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	114.43	49.36
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	151.83	58.76
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	154.75	70.51
26 05 33 16-0269		Poke Thru Units (26 05 33 16)		
26 05 33 16-0270		Surface Poke Thru Units (26 05 33 16-0269) Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	536.81	50.36
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	343.22	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	49.70	13.43
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	57.83	6.71
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	606.37	53.73
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non- metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	321.87	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	84.52	20.15
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	57.83	6.71
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	167.09	13.43
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	480.88	47.00



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	40.67	6.71
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	478.71	47.00
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units..... Note: Includes two conduit connections for communication systems. Wiremold COM75.	55.95	6.71
26 05 33 16-0284 Recessed Poke Thru Units (26 05 33 16-0269) Note: Excludes concrete drilling.		
26 05 33 16-0285 Evolution 6AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	961.90	53.73
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	962.02	53.73
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	916.83	53.73
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT)..... Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	916.83	53.73
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	961.90	53.73
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	961.90	53.73
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	878.68	53.73
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	551.11	50.36
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	590.97	50.36
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	594.92	50.36
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)..... Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	168.80	26.86
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	387.59	13.43
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	387.59	13.43
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	322.22	13.43
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	46.63	3.36
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	22.91	6.71
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	26.45	6.71
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	22.81	6.71

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	22.87	6.71
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	22.72	6.71
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	26.83	6.71
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	26.54	6.71
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	27.18	6.71
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	22.38	6.71
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	22.40	6.71
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	22.09	6.71
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	22.09	6.71
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	53.17	10.07
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	20.23	6.71
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	20.74	6.71
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	166.99	12.08
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A)..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	26.22	6.71
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	27.32	6.71
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	28.10	6.71
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	43.19	13.43
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	49.50	16.78
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	54.57	16.78
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	41.48	13.43
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	27.13	6.71
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH)..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	27.13	6.71
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	28.59	6.71
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	29.57	6.71
26 05 33 16-0328		Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,261.72	53.73
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,200.90	53.73
26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,275.49	53.73



Electrical		26
Common Work Results for Electrical		26 05
Raceway and Boxes for Electrical Systems		26 05 33

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0332 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,189.45	53.73
26 05 33 16-0333 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,178.60	53.73
26 05 33 16-0334 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	712.05	50.36
26 05 33 16-0335 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	797.73	50.36
26 05 33 16-0336 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	202.24	26.86
26 05 33 16-0337 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	419.14	13.43
26 05 33 16-0338 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	419.14	13.43
26 05 33 16-0339 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	72.64	3.36
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	23.67	6.71
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.81	6.71
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.96	6.71
26 05 33 16-0343 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	27.76	6.71
26 05 33 16-0344 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	33.61	6.71
26 05 33 16-0345 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	33.56	6.71
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	22.96	6.71
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	23.25	6.71
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.96	6.71
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.96	6.71
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	33.08	6.71
26 05 33 16-0351 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	27.59	6.71
26 05 33 16-0352 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	31.79	6.71
26 05 33 16-0353 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	43.19	13.43

26 05 43 Underground Ducts and Raceways for Electrical Systems (26 05)

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001	Precast Concrete Trenches, One Piece Pedestrian Trench (26 05 43)
Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.	
26 05 43 00-0002	10" Wide Pedestrian Trench (26 05 43 00-0001)
26 05 43 00-0003 LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench 92.27
26 05 43 00-0004 LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench 88.24
26 05 43 00-0005 LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench 128.15
26 05 43 00-0006 LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench 122.55
26 05 43 00-0007 EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench 62.41
26 05 43 00-0008 EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench 73.93
26 05 43 00-0009 LF	Lid, Concrete, 10" Wide Pedestrian Trench.....61.52

26 Electrical**26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0010 20" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0011 LF Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	116.95	
26 05 43 00-0012 LF Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	109.82	
26 05 43 00-0013 LF Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	158.46	
26 05 43 00-0014 LF Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	151.96	
26 05 43 00-0015 EA End Wall, 20" Wide x 15" Deep Pedestrian Trench	78.06	
26 05 43 00-0016 EA End Wall, 20" Wide x 24" Deep Pedestrian Trench	113.77	
26 05 43 00-0017 LF Lid, Concrete, 20" Wide Pedestrian Trench	76.93	
26 05 43 00-0018 30" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0019 LF Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	149.34	
26 05 43 00-0020 LF Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	175.46	
26 05 43 00-0021 LF Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	186.86	
26 05 43 00-0022 LF Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	179.47	
26 05 43 00-0023 EA End Wall, 30" Wide x 15" Deep Pedestrian Trench	112.02	
26 05 43 00-0024 EA End Wall, 30" Wide x 24" Deep Pedestrian Trench	151.98	
26 05 43 00-0025 LF Lid, Concrete, 30" Wide Pedestrian Trench	96.03	
26 05 43 00-0026 40" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0027 LF Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	178.91	
26 05 43 00-0028 LF Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	172.18	
26 05 43 00-0029 LF Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	218.94	
26 05 43 00-0030 LF Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	210.71	
26 05 43 00-0031 EA End Wall, 40" Wide x 15" Deep Pedestrian Trench	143.39	
26 05 43 00-0032 EA End Wall, 40" Wide x 24" Deep Pedestrian Trench	194.31	
26 05 43 00-0033 LF Lid, Concrete, 40" Wide Pedestrian Trench	113.50	
26 05 43 00-0034 Precast Concrete Trenches, One Piece Medium Vehicle Trench (26 05 43)		
Note: Rated for 7,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0035 10" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0036 LF Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	112.06	
26 05 43 00-0037 LF Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	106.83	
26 05 43 00-0038 LF Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	155.61	
26 05 43 00-0039 LF Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	148.37	
26 05 43 00-0040 EA End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	73.41	
26 05 43 00-0041 EA End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	85.46	
26 05 43 00-0042 LF Lid, Concrete 10" Wide Medium Vehicle Trench	74.71	
26 05 43 00-0043 LF Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	332.45	
26 05 43 00-0044 20" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0045 LF Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	141.11	
26 05 43 00-0046 LF Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	131.91	
26 05 43 00-0047 LF Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	190.31	
26 05 43 00-0048 LF Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	181.91	
26 05 43 00-0049 EA End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	90.79	
26 05 43 00-0050 EA End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	132.50	
26 05 43 00-0051 LF Lid, Concrete 20" Wide Medium Vehicle Trench	93.42	
26 05 43 00-0052 LF Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	440.88	
26 05 43 00-0053 30" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0054 LF Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	142.00	
26 05 43 00-0055 LF Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	170.37	
26 05 43 00-0056 LF Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	223.12	
26 05 43 00-0057 LF Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	213.56	
26 05 43 00-0058 EA End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	129.58	
26 05 43 00-0059 EA End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	177.97	
26 05 43 00-0060 LF Lid, Concrete 30" Wide Medium Vehicle Trench	116.93	
26 05 43 00-0061 LF Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	550.38	
26 05 43 00-0062 40" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0063 LF Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	211.86	
26 05 43 00-0064 LF Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	203.17	
26 05 43 00-0065 LF Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	259.36	
26 05 43 00-0066 LF Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	248.70	
26 05 43 00-0067 EA End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	165.88	
26 05 43 00-0068 EA End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	227.50	
26 05 43 00-0069 LF Lid, Concrete 40" Wide Medium Vehicle Trench	137.66	
26 05 43 00-0070 LF Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	748.30	
26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench (26 05 43)		



Electrical		26
Common Work Results for Electrical		26 05
Underground Ducts and Raceways for Electrical Systems		26 05 43

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: H20 Rated for 32,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.

26 05 43 00-0072	10" Wide H20 Road Crossing Trench (26 05 43 00-0071)	
26 05 43 00-0073 LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	242.55
26 05 43 00-0074 LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	230.83
26 05 43 00-0075 LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	302.99
26 05 43 00-0076 LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	288.20
26 05 43 00-0077 LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	232.89
26 05 43 00-0078 LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	221.73
26 05 43 00-0079 LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	293.33
26 05 43 00-0080 LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	279.13
26 05 43 00-0081 EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	160.38
26 05 43 00-0082 EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	217.09
26 05 43 00-0083 EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	145.05
26 05 43 00-0084 EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	201.42
26 05 43 00-0085 LF	Lid, Concrete 10" Wide Road Crossing Trench	111.93
26 05 43 00-0086 LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	360.77

26 05 43 00-0087	20" Wide H20 Road Crossing Trench (26 05 43 00-0071)	
26 05 43 00-0088 LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	257.11
26 05 43 00-0089 LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	245.08
26 05 43 00-0090 LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	340.13
26 05 43 00-0091 LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	324.04
26 05 43 00-0092 LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	257.11
26 05 43 00-0093 LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	245.08
26 05 43 00-0094 LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	330.47
26 05 43 00-0095 LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	314.97
26 05 43 00-0096 EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	229.08
26 05 43 00-0097 EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	311.77
26 05 43 00-0098 EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	206.76
26 05 43 00-0099 EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	289.45
26 05 43 00-0100 LF	Lid, Concrete 20" Wide Road Crossing Trench	124.81
26 05 43 00-0101 LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	535.18

26 05 43 00-0102	30" Wide H20 Road Crossing Trench (26 05 43 00-0071)	
26 05 43 00-0103 LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	303.56
26 05 43 00-0104 LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	289.79
26 05 43 00-0105 LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	375.34
26 05 43 00-0106 LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	358.24
26 05 43 00-0107 LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	293.89
26 05 43 00-0108 LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	280.70
26 05 43 00-0109 LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	365.67
26 05 43 00-0110 LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	348.85
26 05 43 00-0111 EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	305.52
26 05 43 00-0112 EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	404.56
26 05 43 00-0113 EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	276.20
26 05 43 00-0114 EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	375.24
26 05 43 00-0115 LF	Lid, Concrete 30" Wide Road Crossing Trench	157.98
26 05 43 00-0116 LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	671.10

26 05 43 00-0117	40" Wide H20 Road Crossing Trench (26 05 43 00-0071)	
26 05 43 00-0118 LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	335.09
26 05 43 00-0119 LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	320.30
26 05 43 00-0120 LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	412.55
26 05 43 00-0121 LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	393.98
26 05 43 00-0122 LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	325.43
26 05 43 00-0123 LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	311.23
26 05 43 00-0124 LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	402.88
26 05 43 00-0125 LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	384.89
26 05 43 00-0126 EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	379.14
26 05 43 00-0127 EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	501.75
26 05 43 00-0128 EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	343.16
26 05 43 00-0129 EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	465.76
26 05 43 00-0130 LF	Lid, Concrete 40" Wide Road Crossing Trench	190.81
26 05 43 00-0131 LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	912.58

26 05 46 Utility Poles for Electrical Systems (26 05)

26 05 46 00-0001	Wood Poles (26 05 46)	
26 05 46 00-0002	Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention (26 05 46 00-0001)	
Note: Machine dig and set.		
26 05 46 00-0003 EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,059.14
	For Class 1 Pole, Add	128.95
	For Class 2 Pole, Add	73.69
	For Class 4 Pole, Deduct	-36.84
	For Class 5 Pole, Deduct	-110.53
	For Class 6 Pole, Deduct	-147.38

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,266.48	383.10
For Class 1 Pole, Add	175.08	
For Class 2 Pole, Add	100.05	
For Class 4 Pole, Deduct	-50.02	
For Class 5 Pole, Deduct	-150.07	
For Class 6 Pole, Deduct	-200.09	
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,642.27	506.69
For Class 1 Pole, Add	220.16	
For Class 2 Pole, Add	125.81	
For Class 4 Pole, Deduct	-62.90	
For Class 5 Pole, Deduct	-188.71	
For Class 6 Pole, Deduct	-251.62	
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,878.37	557.29
For Class 1 Pole, Add	267.34	
For Class 2 Pole, Add	152.77	
For Class 4 Pole, Deduct	-76.38	
For Class 5 Pole, Deduct	-229.15	
For Class 6 Pole, Deduct	-305.53	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,146.12	620.70
For Class 1 Pole, Add	316.61	
For Class 2 Pole, Add	180.92	
For Class 4 Pole, Deduct	-90.46	
For Class 5 Pole, Deduct	-271.38	
For Class 6 Pole, Deduct	-361.84	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,441.57	696.62
For Class 1 Pole, Add	366.94	
For Class 2 Pole, Add	209.68	
For Class 4 Pole, Deduct	-104.84	
For Class 5 Pole, Deduct	-314.52	
For Class 6 Pole, Deduct	-419.36	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,730.66	766.21
For Class 1 Pole, Add	419.36	
For Class 2 Pole, Add	239.63	
For Class 4 Pole, Deduct	-119.82	
For Class 5 Pole, Deduct	-359.45	
For Class 6 Pole, Deduct	-479.26	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,051.14	842.56
For Class 1 Pole, Add	478.07	
For Class 2 Pole, Add	273.18	
For Class 4 Pole, Deduct	-136.59	
For Class 5 Pole, Deduct	-409.77	
For Class 6 Pole, Deduct	-546.36	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,984.00	918.33
For Class 1 Pole, Add	1,101.55	
For Class 2 Pole, Add	629.46	
For Class 4 Pole, Deduct	-314.73	
For Class 5 Pole, Deduct	-944.19	
For Class 6 Pole, Deduct	-1,258.92	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,472.34	976.88
For Class 1 Pole, Add	1,231.49	
For Class 2 Pole, Add	703.71	
For Class 4 Pole, Deduct	-351.86	
For Class 5 Pole, Deduct	-1,055.57	
For Class 6 Pole, Deduct	-1,407.42	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	6,014.59	1,043.38
For Class 1 Pole, Add	1,374.72	
For Class 2 Pole, Add	785.56	
For Class 4 Pole, Deduct	-392.78	
For Class 5 Pole, Deduct	-1,178.33	
For Class 6 Pole, Deduct	-1,571.11	
26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015 LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms.....	29.42	
26 05 46 00-0016 Crossarms (26 05 46)		
Note: Includes hardware and braces.		
26 05 46 00-0017 Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	250.37	102.99
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	302.84	102.99
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	318.04	132.41
26 05 46 00-0021 Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	645.45	286.88
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	687.10	286.88
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	715.46	286.88
26 05 46 00-0025 Fiberglass Crossarms (26 05 46 00-0016)		
Note: Includes hardware.		
26 05 46 00-0026 Single Phase, 15 Degree Angle (26 05 46 00-0025)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.....	288.59	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.....	363.95	61.79
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	378.67	66.20
26 05 46 00-0030 Two Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.....	453.45	79.44
26 05 46 00-0032 Fiberglass Crossarm Accessories (26 05 46 00-0025)		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor.....	708.41	101.52
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor.....	839.89	123.58
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	123.20	17.65
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket	616.01	88.27
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm	487.29	147.12
26 05 46 00-0038 Insulator Support System (26 05 46 00-0016)		
26 05 46 00-0039 Epoxy Construction Units, In Place Mounting (26 05 46 00-0038) Note: Includes hardware.		
26 05 46 00-0040 EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	146.36	
26 05 46 00-0041 EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	119.24	
26 05 46 00-0042 EA Deadend Arms, In Place Mounting	342.23	
26 05 46 00-0043 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	233.26	
26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting (26 05 46 00-0038) Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	103.78	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	90.85	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting	313.84	
26 05 46 00-0048 Guying (26 05 46) Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049 Down Guy (26 05 46 00-0048)		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole	996.12	411.94
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole	1,012.58	411.94
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole	1,046.45	411.94
26 05 46 00-0053 EA Guy Guard, Plastic.....	37.95	
26 05 46 00-0054 Head Guy, 50' Spans (26 05 46 00-0048)		
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole	1,446.49	632.62
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole	1,446.49	632.62
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole	1,446.49	632.62
26 05 46 00-0058 Guy Strain Insulators Additional Insulators (26 05 46 00-0048) Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator	623.37	308.96
26 05 46 00-0060 Insulators (26 05 46)		
26 05 46 00-0061 Pin Insulator With Pin (26 05 46 00-0060)		
26 05 46 00-0062 EA 5 KV Class 55-3, Pin Insulator With Pin.....	197.03	88.27
26 05 46 00-0063 EA 15 KV Class 55-5, Pin Insulator With Pin.....	202.47	88.27
26 05 46 00-0064 Suspension Insulator (26 05 46 00-0060) Note: Includes clevis and strain clamp.		
26 05 46 00-0065 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	249.81	117.69
26 05 46 00-0066 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	264.59	117.69
26 05 46 00-0067 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	370.45	147.12
26 05 46 00-0068 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	585.77	235.39
26 05 46 00-0069 Spool Insulator With Clevis (26 05 46 00-0060)		
26 05 46 00-0070 EA 5 KV Class 53-5, Spool Insulator With Clevis	83.18	36.78
26 05 46 00-0071 EA 15 KV Class, Spool Insulator With Clevis	266.41	132.41
26 05 46 00-0072 EA 25 KV Class, Spool Insulator With Clevis	345.57	132.41
26 05 46 00-0073 Secondary Rack (26 05 46 00-0060)		
26 05 46 00-0074 EA 1 Spool Secondary Rack	165.28	73.56
26 05 46 00-0075 EA 2 Spool Secondary Rack	170.06	93.86
26 05 46 00-0076 EA 3 Spool Secondary Rack	254.67	125.05
26 05 46 00-0077 EA 4 Spool Secondary Rack	286.32	125.05

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0078	Outdoor Load Break Switches (26 05 46)		
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.			
26 05 46 00-0079	7.2 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0080	EA 600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,856.77	500.21
26 05 46 00-0081	EA 1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,598.54	500.21
26 05 46 00-0082	EA 1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,286.81	845.94
26 05 46 00-0083	EA 2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,591.02	845.94
26 05 46 00-0084	14.4 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0085	EA 600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,190.43	500.21
26 05 46 00-0086	EA 1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,738.91	500.21
26 05 46 00-0087	EA 1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,286.81	845.94
26 05 46 00-0088	EA 2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,591.02	845.94
26 05 46 00-0089	23 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0090	EA 600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,919.04	581.12
26 05 46 00-0091	EA 1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,025.39	581.12
26 05 46 00-0092	EA 1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	18,024.35	1,000.42
26 05 46 00-0093	EA 2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	18,338.51	1,000.42
26 05 46 00-0094	Square Distribution Poles (26 05 46)		
26 05 46 00-0095	Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0096	EA 20', Steel Taped Shaft Distribution Pole	3,553.15	625.26
26 05 46 00-0097	EA 25', Steel Taped Shaft Distribution Pole	3,974.22	662.04
26 05 46 00-0098	EA 30', Steel Taped Shaft Distribution Pole	4,315.27	735.60
26 05 46 00-0099	EA 35', Steel Taped Shaft Distribution Pole	4,773.92	809.16
26 05 46 00-0100	EA 40', Steel Taped Shaft Distribution Pole	6,430.97	882.72
26 05 46 00-0101	Square Prestressed Concrete Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0102	EA 30', Prestressed Concrete Square Pole For Distribution	5,507.54	1,117.96
26 05 46 00-0103	EA 35', Prestressed Concrete Square Pole For Distribution	6,219.06	1,226.15
26 05 46 00-0104	EA 40', Prestressed Concrete Square Pole For Distribution	7,295.67	1,370.40
26 05 46 00-0105	EA 45', Prestressed Concrete Square Pole For Distribution	8,220.16	1,514.66
26 05 46 00-0106	EA 50', Prestressed Concrete Square Pole For Distribution	6,398.52	1,839.23
26 05 46 00-0107	EA 55', Prestressed Concrete Square Pole For Distribution	11,593.20	2,163.80
26 05 46 00-0108	EA 60', Prestressed Concrete Square Pole For Distribution	13,675.96	2,452.31
26 05 46 00-0109	EA 65', Prestressed Concrete Square Pole For Distribution	16,509.15	3,029.32
26 05 46 00-0110	EA 70', Prestressed Concrete Square Pole For Distribution	18,490.87	3,317.82
26 05 46 00-0111	Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0112	Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0111)		
26 05 46 00-0113	EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,830.14	551.70
26 05 46 00-0114	EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,368.61	588.48
26 05 46 00-0115	EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,176.24	662.04
26 05 46 00-0116	EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,334.09	735.60
26 05 46 00-0117	EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	11,147.77	809.16
26 05 46 00-0118	Steel Service Poles Distribution (26 05 46)		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.			
26 05 46 00-0119	Round Tapered Pole (26 05 46 00-0118)		
26 05 46 00-0120	EA 40', Galvanized Steel Tapered Round Pole For Distribution	5,333.41	882.72
26 05 46 00-0121	EA 45', Galvanized Steel Tapered Round Pole For Distribution	6,200.69	956.28
26 05 46 00-0122	EA 50', Galvanized Steel Tapered Round Pole For Distribution	6,606.09	1,029.84
26 05 46 00-0123	EA 55', Galvanized Steel Tapered Round Pole For Distribution	7,781.10	1,176.96
26 05 46 00-0124	EA 60', Galvanized Steel Tapered Round Pole For Distribution	9,628.60	1,324.08
26 05 46 00-0125	EA 65', Galvanized Steel Tapered Round Pole For Distribution	11,396.67	1,694.97
26 05 46 00-0126	EA 70', Galvanized Steel Tapered Round Pole For Distribution	12,685.30	1,922.89
26 05 46 00-0127	EA 75', Galvanized Steel Tapered Round Pole For Distribution	14,020.36	2,163.80
26 05 46 00-0128	EA 80', Galvanized Steel Tapered Round Pole For Distribution	15,730.54	2,452.31
26 05 46 00-0129	EA 85', Galvanized Steel Tapered Round Pole For Distribution	16,810.53	2,596.55
26 05 46 00-0130	EA 90', Galvanized Steel Tapered Round Pole For Distribution	18,238.72	2,885.06
26 05 46 00-0131	EA 95', Galvanized Steel Tapered Round Pole For Distribution	20,069.68	3,245.69
26 05 46 00-0132	EA 100', Galvanized Steel Tapered Round Pole For Distribution	22,145.86	3,678.45
26 05 46 00-0133	12 Sided Tapered (26 05 46 00-0118)		
26 05 46 00-0134	EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,158.15	882.72
26 05 46 00-0135	EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,108.29	956.28



Electrical		26
Common Work Results for Electrical		26 05
Utility Poles for Electrical Systems		26 05 46

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0136 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,195.98	1,029.84
26 05 46 00-0137 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,298.53	1,176.96
26 05 46 00-0138 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,358.27	1,324.08
26 05 46 00-0139 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,167.73	1,694.97
26 05 46 00-0140 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,048.28	1,922.89
26 05 46 00-0141 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution	22,646.94	2,163.80
26 05 46 00-0142 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution	24,346.29	2,452.31
26 05 46 00-0143 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution	25,793.83	2,596.55
26 05 46 00-0144 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution	29,284.28	2,885.06
26 05 46 00-0145 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution	31,084.28	3,245.69
26 05 46 00-0146 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution	33,232.77	3,678.45
26 05 46 00-0147 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution	35,532.03	4,111.21
26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0118)		
26 05 46 00-0149 EA Ladder Clips.....	28.36	
26 05 46 00-0150 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	212.80	
26 05 46 00-0151 EA Ground Sleeve-2' At Ground Line.....	214.04	
26 05 46 00-0152 Arms With Baseplates And Endplates (26 05 46 00-0118)		
26 05 46 00-0153 EA 4' Arm With Baseplate And Endplate.....	773.23	147.12
26 05 46 00-0154 EA 5' Arm With Baseplate And Endplate.....	838.17	147.12
26 05 46 00-0155 EA 6' Arm With Baseplate And Endplate.....	1,051.38	220.68
26 05 46 00-0156 EA 7' Arm With Baseplate And Endplate.....	1,108.18	220.68
26 05 46 00-0157 EA 8' Arm With Baseplate And Endplate.....	1,319.15	294.24
26 05 46 00-0158 EA 9' Arm With Baseplate And Endplate.....	1,384.06	294.24
26 05 46 00-0159 EA 10' Arm With Baseplate And Endplate.....	1,831.61	367.80
26 05 46 00-0160 EA 11' Arm With Baseplate And Endplate.....	1,904.48	367.80
26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)		
26 05 46 00-0162 EA 15,000 Lb. Standard Vangs Load Bearing At Any Angle	347.80	147.12
26 05 46 00-0163 EA 30,000 Lb. Standard Vangs Load Bearing At Any Angle	387.59	147.12
26 05 46 00-0164 EA 45,000 Lb. Standard Vangs Load Bearing At Any Angle	442.00	147.12
26 05 46 00-0165 Armless Construction Brackets (26 05 46 00-0118)		
26 05 46 00-0166 Verticals Insulator And Equipment Bracket (26 05 46 00-0165)		
26 05 46 00-0167 EA 7" 1 Position Vertical Insulation And Equipment Bracket.....	354.29	147.12
26 05 46 00-0168 EA 12" 1 Position Vertical Insulation And Equipment Bracket.....	379.41	147.12
26 05 46 00-0169 EA 12" 3 Position Vertical Insulation And Equipment Bracket.....	420.23	147.12
26 05 46 00-0170 EA 18" 1 Position Vertical Insulation And Equipment Bracket.....	594.13	220.68
26 05 46 00-0171 EA 18" 3 Position Vertical Insulation And Equipment Bracket.....	617.96	220.68
26 05 46 00-0172 Horizontal And Multiple Insulator Brackets (26 05 46 00-0165)		
26 05 46 00-0173 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	334.73	147.12
26 05 46 00-0174 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	387.52	147.12
26 05 46 00-0175 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	568.56	220.68
26 05 46 00-0176 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	693.15	220.68
26 05 46 00-0177 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	892.11	294.24
26 05 46 00-0178 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	958.24	294.24
26 05 46 00-0179 Pole Top Bracket And Pins (26 05 46 00-0165)		
26 05 46 00-0180 EA Pole Top Pin - 5".....	342.39	147.12
26 05 46 00-0181 EA Pole Top Bracket - 5".....	355.21	147.12
26 05 46 00-0182 Angle Pins (26 05 46 00-0165)		
26 05 46 00-0183 EA Angle Pin - 25 Degree, 6".....	340.66	147.12
26 05 46 00-0184 EA Angle Pin - 25 Degree, 7 1/4".....	382.29	147.12
26 05 46 00-0185 Static And Neutral Wire Brackets (26 05 46 00-0165)		
26 05 46 00-0186 EA Neutral Wire Extension Bracket.....	369.24	147.12
26 05 46 00-0187 EA Static Wire Support Bracket.....	374.62	147.12
26 05 46 00-0188 Cutout, Arrestor And Terminator Brackets (26 05 46 00-0165)		
26 05 46 00-0189 EA Cutout And Arrestor, With Mounting Bracket.....	336.46	147.12
26 05 46 00-0190 EA Equipment Mounting T Bracket.....	364.09	147.12
26 05 46 00-0191 EA 15 KV Cutout	490.54	
26 05 46 00-0192 EA 9/10 KV Arrestor	451.67	147.12
26 05 46 00-0193 Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0165)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0194 EA Parallel Cable Spacer	407.84	147.12
26 05 46 00-0195 EA Conduit Standoff Support Bracket	390.67	147.12
26 05 46 00-0196 EA Three Transformer Pole Mounted Cluster Bracket	985.81	147.12
26 05 46 00-0197 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0165) Note: Includes pole mounting bracket.		
26 05 46 00-0198 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,447.95	367.80
26 05 46 00-0199 Octagonal Tapered (26 05 46 00-0118)		
26 05 46 00-0200 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,442.42	882.72
26 05 46 00-0201 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,423.59	956.28
26 05 46 00-0202 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,547.45	1,029.84
26 05 46 00-0203 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution	12,681.01	1,250.52
26 05 46 00-0204 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution	16,885.48	1,324.08
26 05 46 00-0205 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution	18,736.29	1,694.97
26 05 46 00-0206 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution	21,709.88	1,803.16
26 05 46 00-0207 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution	23,352.47	2,163.80
26 05 46 00-0208 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution	25,093.16	2,308.05
26 05 46 00-0209 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution	26,584.65	2,596.55
26 05 46 00-0210 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution	30,186.22	2,740.81
26 05 46 00-0211 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution	32,032.74	3,245.69
26 05 46 00-0212 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution	34,227.75	3,462.07
26 05 46 00-0213 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution	36,578.70	3,894.84
26 05 46 00-0214 Removal And Relocation Of Steel Service Poles (26 05 46 00-0118)		
26 05 46 00-0215 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'	51.49	
26 05 46 00-0216 Special Steel Bases For Poles (26 05 46 00-0118)		
26 05 46 00-0217 EA Spin-In Steel Base For Poles	279.00	
26 05 46 00-0218 EA Series 3, 25' Pole And less	306.82	73.56
26 05 46 00-0219 EA Series 4, 40' Pole And less	364.39	84.59
26 05 46 00-0220 EA Series 5, 50' Pole And less	414.58	91.95
26 05 53 Identification for Electrical Systems (26 05)		
26 05 53 00-0001 Conduit Markers Pressure-Sensitive (26 05 53) Note: Stick-on, includes arrow tape.		
26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on	15.04	
26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on	15.71	
26 05 53 00-0004 EA 1" Outside Diameter Pressure Sensitive Marker Stick-on	17.07	
26 05 53 00-0005 EA 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	17.33	
26 05 53 00-0006 EA 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	17.60	
26 05 53 00-0007 EA 2" Outside Diameter Pressure Sensitive Marker Stick-on	18.01	
26 05 53 00-0008 EA 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	21.08	
26 05 53 00-0009 EA 3" Outside Diameter Pressure Sensitive Marker Stick-on	21.62	
26 05 53 00-0010 EA 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	22.02	
26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on	22.44	
26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	23.27	
26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on	24.17	
26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on	24.97	
26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on	25.76	
26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on	28.26	
26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on	29.73	
26 05 53 00-0018 Labeling Existing Electrical Wires (26 05 53) Note: Self-adhesive vinyl coated white cloth		
26 05 53 00-0019 EA Labeling Existing Wire	4.14	
26 05 53 00-0020 Equipment Labeling (26 05 53)		
26 05 53 00-0021 EA Label Both Ends Of One 4 Pair Cable	15.10	
26 05 53 00-0022 EA Label single gang face plate (2 labels required)	14.20	
26 05 53 00-0023 EA Label two gang face plate (4 labels required)	20.43	
26 05 53 00-0024 EA Label both ends of a Siamese (dual 4 Pair cable)	15.10	
26 05 83 Wiring Connections (26 05)		
26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)		
26 05 83 00-0002 EA #6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.69	6.04
26 05 83 00-0003 EA #4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	19.37	6.71
26 05 83 00-0004 EA #2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.93	7.38
26 05 83 00-0005 EA 1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	24.15	8.06
26 05 83 00-0006 EA 2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	26.00	8.73



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0007	EA		3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	28.80	9.40
26 05 83 00-0008	EA		4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	30.86	10.07
26 05 83 00-0009	EA		250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	33.60	10.74
26 05 83 00-0010	EA		300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	37.20	12.08
26 05 83 00-0011	EA		350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	39.03	12.76
26 05 83 00-0012	EA		400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	43.35	13.43
26 05 83 00-0013	EA		500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	47.13	14.10
26 05 83 00-0014	EA		750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	52.63	15.44
26 05 83 00-0015	EA		1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	61.01	17.45
26 05 83 00-0016 One Hole Compression Lugs (26 05 83)					
26 05 83 00-0017	EA		#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	23.13	17.45
26 05 83 00-0018	EA		#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	23.30	17.45
26 05 83 00-0019	EA		#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	26.36	18.81
26 05 83 00-0020	EA		#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	32.59	20.82
26 05 83 00-0021	EA		#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	45.78	26.86
26 05 83 00-0022	EA		#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	53.62	26.86
26 05 83 00-0023	EA		#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	61.71	26.86
26 05 83 00-0024	EA		1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	76.01	40.29
26 05 83 00-0025	EA		2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	89.10	40.29
26 05 83 00-0026	EA		3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	104.26	40.29
26 05 83 00-0027	EA		4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	125.71	53.73
26 05 83 00-0028	EA		250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	149.08	80.58
26 05 83 00-0029	EA		300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	170.54	80.58
26 05 83 00-0030	EA		350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	183.29	80.58
26 05 83 00-0031	EA		400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	199.61	94.02
26 05 83 00-0032	EA		500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	218.24	94.02
26 05 83 00-0033	EA		750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	237.17	107.44
26 05 83 00-0034	EA		1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	278.79	120.87
26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)					
26 05 83 00-0036	EA		#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	47.23	22.84
26 05 83 00-0037	EA		#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	50.70	24.31
26 05 83 00-0038	EA		#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	53.44	24.31
26 05 83 00-0039	EA		#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	61.50	27.94
26 05 83 00-0040	EA		1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	75.78	34.92
26 05 83 00-0041	EA		2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	88.86	41.50
26 05 83 00-0042	EA		3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	103.99	48.62
26 05 83 00-0043	EA		4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	125.41	58.96
26 05 83 00-0044	EA		250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	148.73	69.97
26 05 83 00-0045	EA		300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	170.14	79.91
26 05 83 00-0046	EA		350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	182.87	86.09
26 05 83 00-0047	EA		400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	199.12	93.21
26 05 83 00-0048	EA		500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	217.68	101.80
26 05 83 00-0049	EA		750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	237.86	110.40
26 05 83 00-0050	EA		1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	294.36	134.31
26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)					
26 05 83 00-0052	EA		#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	70.58	53.73
26 05 83 00-0053	EA		#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	77.61	57.76
26 05 83 00-0054	EA		#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	88.47	60.44
26 05 83 00-0055	EA		#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	102.70	67.15
26 05 83 00-0056	EA		1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	121.21	73.87
26 05 83 00-0057	EA		2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	135.86	80.58
26 05 83 00-0058	EA		3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	169.80	87.30
26 05 83 00-0059	EA		4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	182.17	94.02
26 05 83 00-0060	EA		250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	192.00	100.73
26 05 83 00-0061	EA		300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	218.98	110.80
26 05 83 00-0062	EA		350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	245.96	161.17
26 05 83 00-0063	EA		400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	269.39	134.31
26 05 83 00-0064	EA		500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	292.81	181.31
26 05 83 00-0065	EA		750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	324.76	188.03
26 05 83 00-0066	EA		1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	367.66	201.46
26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)					
26 05 83 00-0068	EA		#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	116.50	53.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.20	
26 05 83 00-0069	EA		#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	129.64	53.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.98	
26 05 83 00-0070	EA		1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	179.51	80.58
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.77	
26 05 83 00-0071	EA		4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	203.82	80.58
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.65	
26 05 83 00-0072	EA		300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	243.86	100.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.05	
26 05 83 00-0073	EA		500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	340.73	134.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.94	

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0074			Terminal Blocks (26 05 83)		
			Note: Labor excludes wire termination.		
26 05 83 00-0075	EA		Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	1,178.65	496.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	298.46	
26 05 83 00-0076	EA		#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	301.40	67.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.74	
26 05 83 00-0077	EA		#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	332.45	67.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.18	
26 05 83 00-0078			Parallel Gutter Tap Or Motor Connection (26 05 83)		
26 05 83 00-0079	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	47.21	24.31
26 05 83 00-0080	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	50.70	24.31
26 05 83 00-0081	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	53.44	24.31
26 05 83 00-0082	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	61.50	27.94
26 05 83 00-0083	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	75.78	34.92
26 05 83 00-0084	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	88.86	41.50
26 05 83 00-0085	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	103.99	48.62
26 05 83 00-0086	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	125.41	58.96
26 05 83 00-0087	EA		250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	148.73	69.97
26 05 83 00-0088	EA		300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	170.14	79.91
26 05 83 00-0089	EA		350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	182.87	86.09
26 05 83 00-0090	EA		400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	199.12	93.21
26 05 83 00-0091	EA		500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	217.68	101.80
26 05 83 00-0092	EA		750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	218.19	101.80
26 05 83 00-0093	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	47.21	24.31
26 05 83 00-0094	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	50.70	24.31
26 05 83 00-0095	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	53.44	24.31
26 05 83 00-0096	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	61.50	27.94
26 05 83 00-0097	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	75.78	34.92
26 05 83 00-0098	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	88.86	41.50
26 05 83 00-0099	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	103.99	48.62
26 05 83 00-0100	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	125.41	58.96
26 05 83 00-0101	EA		250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	148.73	69.97
26 05 83 00-0102	EA		300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	170.14	79.91
26 05 83 00-0103	EA		350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	182.87	86.09
26 05 83 00-0104	EA		400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	199.12	93.21
26 05 83 00-0105	EA		500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	217.68	101.80
26 05 83 00-0106	EA		750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	218.19	101.80
26 05 83 00-0107			Copper Mechanical Lugs (26 05 83)		
26 05 83 00-0108	EA		#8 Copper Mechanical Lugs.....	38.49	16.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07	
26 05 83 00-0109	EA		#6 Copper Mechanical Lugs.....	46.16	20.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.17	
26 05 83 00-0110	EA		#4 Copper Mechanical Lugs.....	53.33	23.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.10	
26 05 83 00-0111	EA		#2 Copper Mechanical Lugs.....	69.90	29.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.99	
26 05 83 00-0112	EA		1/0 Copper Mechanical Lugs.....	94.16	40.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.18	
26 05 83 00-0113	EA		2/0 Copper Mechanical Lugs.....	112.44	46.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.08	
26 05 83 00-0114	EA		3/0 Copper Mechanical Lugs.....	131.63	53.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.24	
26 05 83 00-0115	EA		4/0 Copper Mechanical Lugs.....	149.97	60.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.15	
26 05 83 00-0116	EA		250 MCM Copper Mechanical Lugs.....	172.00	67.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.29	
26 05 83 00-0117	EA		300 MCM Copper Mechanical Lugs.....	193.72	73.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.34	
26 05 83 00-0118	EA		350 MCM Copper Mechanical Lugs.....	215.35	80.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.35	
26 05 83 00-0119	EA		400 MCM Copper Mechanical Lugs.....	236.82	87.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.34	
26 05 83 00-0120	EA		500 MCM Copper Mechanical Lugs.....	258.65	94.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.41	
26 05 83 00-0121	EA		750 MCM Copper Mechanical Lugs.....	293.06	107.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.26	
26 05 83 00-0122	EA		1,000 MCM Copper Mechanical Lugs.....	331.84	120.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.53	
26 05 83 00-0123			Gel Connectors (26 05 83)		
26 05 83 00-0124	EA		3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	70.40	
			Note: Kit contains connector, gel filled cap and cap clamp.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.04	
26 05 83 00-0125	EA		4 Port, #14 to 2, Gel Tap Splice Kit.....	68.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0126			Other Connections (26 05 83)		
26 05 83 00-0127	EA		#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	13.31	6.13
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 83 00-0128	EA		#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	13.41	6.13
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 83 00-0129	EA		#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	13.52	6.13
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 83 00-0130			Motor/Equipment Connections And Terminations (26 05 83)		
			Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.		
26 05 83 00-0131			AC Single Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0132	EA		<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	83.61	33.58
26 05 83 00-0133	EA		1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	83.06	33.58
26 05 83 00-0134	EA		3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	97.15	40.29
26 05 83 00-0135	EA		1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	118.52	50.36
26 05 83 00-0136	EA		1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.62	50.36
26 05 83 00-0137	EA		2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.84	50.36
26 05 83 00-0138	EA		3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	123.49	50.36
26 05 83 00-0139	EA		5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	157.51	67.15
26 05 83 00-0140	EA		7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	161.60	67.15
26 05 83 00-0141	EA		10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	204.35	83.94
26 05 83 00-0142			AC Three Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0143	EA		1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	83.06	33.58
26 05 83 00-0144	EA		3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	97.15	40.29
26 05 83 00-0145	EA		1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	118.52	50.36
26 05 83 00-0146	EA		1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.62	50.36
26 05 83 00-0147	EA		2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.84	50.36
26 05 83 00-0148	EA		3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	123.49	50.36
26 05 83 00-0149	EA		5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	157.51	67.15
26 05 83 00-0150	EA		7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	161.60	67.15
26 05 83 00-0151	EA		10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	204.35	83.94
26 05 83 00-0152	EA		15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	209.87	83.94
26 05 83 00-0153	EA		20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	265.20	100.73
26 05 83 00-0154	EA		25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	273.60	100.73
26 05 83 00-0155	EA		30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	373.58	134.31
26 05 83 00-0156	EA		40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	468.35	167.89
26 05 83 00-0157	EA		50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	551.64	201.46
26 05 83 00-0158	EA		60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	657.01	235.04
26 05 83 00-0159	EA		75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	755.32	268.62
26 05 83 00-0160	EA		100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	937.24	335.77
26 05 83 00-0161	EA		125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,106.66	399.56
26 05 83 00-0162	EA		150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,311.24	466.04
26 05 83 00-0163	EA		200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,865.76	698.94
26 05 83 00-0164			AC Three Phase, 460 Volt (26 05 83 00-0130)		
26 05 83 00-0165	EA		1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	83.06	33.58
26 05 83 00-0166	EA		3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	97.15	40.29
26 05 83 00-0167	EA		1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	118.52	50.36
26 05 83 00-0168	EA		1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.62	50.36
26 05 83 00-0169	EA		2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.84	50.36
26 05 83 00-0170	EA		3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	123.49	50.36
26 05 83 00-0171	EA		5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	157.51	67.15
26 05 83 00-0172	EA		7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	161.60	67.15
26 05 83 00-0173	EA		10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	204.35	83.94
26 05 83 00-0174	EA		15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	209.87	83.94
26 05 83 00-0175	EA		20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	265.22	100.73
26 05 83 00-0176	EA		25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	273.60	100.73
26 05 83 00-0177	EA		30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	373.58	134.31
26 05 83 00-0178	EA		40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	468.75	168.16
26 05 83 00-0179	EA		50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	551.64	201.46
26 05 83 00-0180	EA		60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	657.01	235.04
26 05 83 00-0181	EA		75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	755.32	268.62
26 05 83 00-0182	EA		100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	937.24	335.77
26 05 83 00-0183	EA		125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,107.04	399.70
26 05 83 00-0184	EA		150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,311.75	466.31
26 05 83 00-0185	EA		200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,866.94	699.47
26 05 83 00-0186			AC Single Phase, 120 Volt (26 05 83 00-0130)		
26 05 83 00-0187	EA		1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	83.61	33.58

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 83 00-0188	Motor Moisture Sensor (26 05 83 00-0130)		
26 05 83 00-0189	EA Motor Moisture Sensor Located In Winding	822.45	

26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001	Lighting Contactors (26 09 23)		
	Note: Up to 600 volt.		
26 09 23 00-0002	Electrically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0003	NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0004	2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0005	EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	592.60	107.44
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.47	
26 09 23 00-0006	EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	735.70	120.87
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.53	
26 09 23 00-0007	EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,387.84	188.03
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.82	
26 09 23 00-0008	EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,171.76	255.18
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.11	
26 09 23 00-0009	EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,578.54	335.77
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	201.46	
26 09 23 00-0010	3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0011	EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	669.36	120.87
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.53	
26 09 23 00-0012	EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	806.16	134.31
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.59	
26 09 23 00-0013	EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,499.67	214.89
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.93	
26 09 23 00-0014	EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,343.78	282.04
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.23	
26 09 23 00-0015	EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,912.40	369.35
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.61	
26 09 23 00-0016	4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0017	EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	790.38	134.31
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.59	
26 09 23 00-0018	EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	952.35	147.74
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.64	
26 09 23 00-0019	EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,819.05	241.75
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.05	
26 09 23 00-0020	EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,811.55	308.91
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.34	
26 09 23 00-0021	EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	6,290.18	402.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	241.75	
26 09 23 00-0022	NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0023	2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0024	EA 30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,200.12	120.87
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.53	
26 09 23 00-0025	EA 60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,476.63	188.03
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.82	
26 09 23 00-0026	EA 100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,753.14	255.18
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.11	
26 09 23 00-0027	3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0028	EA 30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,750.58	134.31
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.59	
26 09 23 00-0029	EA 60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,709.72	214.89
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.93	
26 09 23 00-0030	EA 100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	4,135.53	282.04
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.23	
26 09 23 00-0031	EA 200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	9,796.17	369.35
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.61	
26 09 23 00-0032	4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0033	EA 30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,636.62	147.74
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.64	
26 09 23 00-0034	EA 60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,700.52	241.75
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.05	



Electrical		26
Instrumentation and Control for Electrical Systems		26 09
Lighting Control Devices		26 09 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0035 EA 100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,710.69 185.34	308.91
26 09 23 00-0036 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0037 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0038 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	994.12 64.47	107.44
26 09 23 00-0039 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,268.05 72.53	120.87
26 09 23 00-0040 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,449.42 112.82	188.03
26 09 23 00-0041 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,679.56 153.11	255.18
26 09 23 00-0042 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,152.09 201.46	335.77
26 09 23 00-0043 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0044 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,028.92 72.53	120.87
26 09 23 00-0045 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,338.51 80.59	134.31
26 09 23 00-0046 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,564.37 128.93	214.89
26 09 23 00-0047 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,850.55 169.23	282.04
26 09 23 00-0048 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,484.90 221.61	369.35
26 09 23 00-0049 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0050 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,111.37 80.59	134.31
26 09 23 00-0051 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,484.70 88.64	147.74
26 09 23 00-0052 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,297.80 145.05	241.75
26 09 23 00-0053 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,732.37 185.34	308.91
26 09 23 00-0054 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10,004.18 241.75	402.92
26 09 23 00-0055 NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0056 2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0057 EA 60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,779.50 112.82	188.03
26 09 23 00-0058 EA 100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,372.43 153.11	255.18
26 09 23 00-0059 EA 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,962.71 201.46	335.77
26 09 23 00-0060 3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0061 EA 60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,028.32 128.93	214.89
26 09 23 00-0062 EA 100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,704.86 169.23	282.04
26 09 23 00-0063 4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0064 EA 60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,978.52 145.05	241.75
26 09 23 00-0065 EA 100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,753.54 185.34	308.91
26 09 23 00-0066 Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0067 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)		
26 09 23 00-0068 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)		
26 09 23 00-0069 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	885.23 64.47	107.44
26 09 23 00-0070 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,007.59 72.53	120.87
26 09 23 00-0071 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,917.07 112.82	188.03

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0072 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,672.98 153.11	255.18
26 09 23 00-0073 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,205.69 201.46	335.77
26 09 23 00-0074 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)		
26 09 23 00-0075 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	944.99 72.53	120.87
26 09 23 00-0076 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,080.12 80.59	134.31
26 09 23 00-0077 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,032.02 128.93	214.89
26 09 23 00-0078 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,846.03 169.23	282.04
26 09 23 00-0079 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,980.57 221.61	369.35
26 09 23 00-0080 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)		
26 09 23 00-0081 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,019.49 80.59	134.31
26 09 23 00-0082 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,150.55 88.64	147.74
26 09 23 00-0083 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,379.42 145.05	241.75
26 09 23 00-0084 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,343.90 185.34	308.91
26 09 23 00-0085 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,436.19 241.75	402.92
26 09 23 00-0086 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)		
26 09 23 00-0087 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)		
26 09 23 00-0088 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,337.80 64.47	107.44
26 09 23 00-0089 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,539.94 72.53	120.87
26 09 23 00-0090 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,981.77 112.82	188.03
26 09 23 00-0091 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,180.78 153.11	255.18
26 09 23 00-0092 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,777.15 201.46	335.77
26 09 23 00-0093 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)		
26 09 23 00-0094 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,412.30 72.53	120.87
26 09 23 00-0095 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,612.47 80.59	134.31
26 09 23 00-0096 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,096.72 128.93	214.89
26 09 23 00-0097 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,354.88 169.23	282.04
26 09 23 00-0098 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,554.11 221.61	369.35
26 09 23 00-0099 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)		
26 09 23 00-0100 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,492.48 80.59	134.31
26 09 23 00-0101 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,682.90 88.64	147.74
26 09 23 00-0102 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,858.17 145.05	241.75
26 09 23 00-0103 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,264.72 185.34	308.91
26 09 23 00-0104 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,074.43 241.75	402.92
26 09 23 00-0105 NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)		
26 09 23 00-0106 2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0105)		
26 09 23 00-0107 EA 30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,003.85 72.53	120.87
26 09 23 00-0108 EA 60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,880.19 112.82	214.89



Electrical		26
Instrumentation and Control for Electrical Systems		26 09
Lighting Control Devices		26 09 23

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0109 EA 100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,562.65 153.11	255.18
26 09 23 00-0110 EA 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,150.69 201.46	335.77
26 09 23 00-0111 3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0109)		
26 09 23 00-0112 EA 30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,064.97 80.59	134.31
26 09 23 00-0113 4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0109)		
26 09 23 00-0114 EA 200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,333.11 241.75	402.92
26 09 23 00-0115 Combination Lighting Contactors (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0116 Electrically Held, Combination Lighting Contactors (26 09 23 00-0115)		
26 09 23 00-0117 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0116)		
26 09 23 00-0118 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0117)		
26 09 23 00-0119 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,719.74 88.64	147.74
26 09 23 00-0120 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,695.55 141.83	236.38
26 09 23 00-0121 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,365.63 186.15	310.25
26 09 23 00-0122 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,999.27 243.77	406.28
26 09 23 00-0123 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0118)		
26 09 23 00-0124 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0123)		
26 09 23 00-0125 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,137.78 88.64	147.74
26 09 23 00-0126 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,880.99 141.83	236.38
26 09 23 00-0127 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,179.25 186.15	310.25
26 09 23 00-0128 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,877.59 243.77	406.28
26 09 23 00-0129 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0115)		
26 09 23 00-0130 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0129)		
26 09 23 00-0131 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0130)		
26 09 23 00-0132 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,881.62 88.64	147.74
26 09 23 00-0133 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,255.92 141.83	236.38
26 09 23 00-0134 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,896.42 186.15	310.25
26 09 23 00-0135 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,507.60 243.77	406.28
26 09 23 00-0136 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0129)		
26 09 23 00-0137 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0136)		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0138 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,301.22 88.64	147.74
26 09 23 00-0139 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,444.47 141.83	236.38
26 09 23 00-0140 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,711.60 186.15	310.25
26 09 23 00-0141 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,385.91 243.77	406.28
26 09 23 00-0142 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket (26 09 23)		
26 09 23 00-0143 EA 105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.47 20.99	34.92
26 09 23 00-0144 EA 105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.98 20.99	34.92
26 09 23 00-0145 Dimming Module System (Lutron Grafik Eye) (26 09 23)		
26 09 23 00-0146 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,818.83 80.59	134.31
26 09 23 00-0147 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,345.33 80.59	134.31
26 09 23 00-0148 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,881.22 80.59	134.31
26 09 23 00-0149 Dimming Module Contol (Leviton) (26 09 23)		
26 09 23 00-0150 EA 5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.26 10.09	16.81
26 09 23 00-0151 Light Control Panels (26 09 23)		
26 09 23 00-0152 Lighting Control Panels (Watt Stopper) (26 09 23 00-0151)		
26 09 23 00-0153 Lighting Control Panels (Watt Stopper) (26 09 23 00-0152)		
26 09 23 00-0154 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,113.96 112.99	188.30
26 09 23 00-0155 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,982.82 121.06	201.76
26 09 23 00-0156 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,229.71 121.06	201.76
26 09 23 00-0157 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,334.57 121.06	201.76
26 09 23 00-0158 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,624.42 121.06	201.76
26 09 23 00-0159 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,351.40 112.99	188.30
26 09 23 00-0160 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,523.09 121.06	201.76
26 09 23 00-0161 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,812.66 121.06	201.76
26 09 23 00-0162 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,450.40 121.06	201.76
26 09 23 00-0163 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,740.24 121.06	201.76
26 09 23 00-0164 Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0152)		
26 09 23 00-0165 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	204.90 20.18	33.63
26 09 23 00-0166 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.70 16.14	26.90
26 09 23 00-0167 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.22 16.14	26.90
26 09 23 00-0168 Lighting Control Panels (Synergy) (26 09 23 00-0151)		
26 09 23 00-0169 Lighting Control Panels (Synergy) (26 09 23 00-0168)		
26 09 23 00-0170 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,884.96 121.06	201.76
26 09 23 00-0171 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0168)		
26 09 23 00-0172 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	705.71 20.18	33.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0173	EA		Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20).....	273.39	13.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07	
26 09 23 00-0174	EA		Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT).....	156.35	20.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.11	
26 09 23 00-0175			Lighting Switching Panels (Lutron) (26 09 23 00-0151)		
26 09 23 00-0176			Lighting Switching Panels (Lutron) (26 09 23 00-0175)		
26 09 23 00-0177	EA		8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	2,352.10	201.76
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.06	
26 09 23 00-0178	EA		12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	3,217.58	215.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	129.12	
26 09 23 00-0179	EA		16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	4,207.07	228.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.20	
26 09 23 00-0180			Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0151)		
26 09 23 00-0181	EA		6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z).....	1,579.44	188.30
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.99	
26 09 23 00-0182	EA		12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z).....	1,798.13	188.30
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.99	
26 09 23 00-0183	EA		18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z).....	2,016.82	188.30
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.99	
26 09 23 00-0184			Power Filters (26 09 23 00-0151)		
26 09 23 00-0185	EA		600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	42,686.20	1,119.18
26 09 23 00-0186	EA		200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	25,241.88	486.59
26 09 23 00-0187			Signal Filters (26 09 23 00-0151)		
26 09 23 00-0188	EA		0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	19,562.32	1,017.51
26 09 23 00-0189	EA		0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	13,377.90	621.84
26 09 23 00-0190	EA		0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	7,463.37	361.02
26 09 23 00-0191	EA		5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case.....	10,159.89	361.02
26 09 23 00-0192			Lighting Control Devices (Encelium) (26 09 23)		
26 09 23 00-0193	EA		8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D).....	16,575.31	134.51
			Note: Excludes GB II cable.		
26 09 23 00-0194	EA		Server, System Support Unit (SSU) (Encelium EN-SSU-1U)	7,584.12	134.51
			Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0195	EA		Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT).....	3,953.00	134.51
			Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0196	EA		Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT)	16,672.73	134.51
			Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0197	EA		Isolated, Wired Luminaire Control Module (Encelium EN-ILCM-1R10V-GB2-BK).....	132.54	16.81
			Note: Excludes GB II cable.		
26 09 23 00-0198	EA		Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-ILCM-1R10V-GB2-BK/DR).....	204.48	16.81
			Note: Excludes GB II cable.		
26 09 23 00-0199	EA		Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK).....	258.43	33.63
			Note: Excludes GB II cable.		
26 09 23 00-0200	EA		Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR).....	311.31	33.63
			Note: Excludes GB II cable.		
26 09 23 00-0201	EA		Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK).....	166.16	33.63
			Note: Excludes GB II cable.		
26 09 23 00-0202	EA		Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR).....	238.10	33.63
			Note: Excludes GB II cable.		
26 09 23 00-0203	EA		16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700)	598.22	67.25
			Note: Excludes cable.		
26 09 23 00-0204	EA		Rack Mounted, Wired Power Bar (Encelium PWR-700)	450.43	67.25
26 09 23 00-0205	EA		Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	821.96	67.25
26 09 23 00-0206	EA		Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	283.41	67.25
26 09 23 00-0207	EA		4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042)	920.93	67.25
			Note: Excludes cable.		
26 09 23 00-0208	EA		Wired BACnet Interface (Encelium BIF-600)	9,626.63	269.01
			Note: Excludes cable.		
26 09 23 00-0209	EA		Wired AV Interface (Encelium EN-SW-AVINT).....	7,117.41	67.25
			Note: Excludes cable.		
26 09 23 00-0210	EA		Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH).....	267.53	16.81
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0211	EA		3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH)	325.97	16.81
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0212	EA		3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH).....	311.87	16.81
			Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0213	EA		5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH)	325.97	16.81
			Note: Includes white finish. Excludes GB II cable.		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0214 EA 6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	311.87	16.81
26 09 23 00-0215 EA Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT)..... Note: Includes white finish. Excludes GB II cable.	235.93	16.81
26 09 23 00-0216 EA Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT)..... Note: Includes white finish. Excludes GB II cable.	325.97	16.81
26 09 23 00-0217 EA 3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT)..... Note: Includes white finish. Excludes GB II cable.	311.87	16.81
26 09 23 00-0218 EA Wired Key Switch Controller (Encelium KSW-300)..... Note: Excludes GB II cable.	230.25	16.81
26 09 23 00-0219 EA Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH)..... Note: Includes white finish.	98.72	16.81
26 09 23 00-0220 EA 1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2).....	82.04	33.63
26 09 23 00-0221 EA 1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2).....	82.66	33.63
26 09 23 00-0222 EA 5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2).....	87.64	33.63
26 09 23 00-0223 EA 10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2).....	92.56	33.63
26 09 23 00-0224 EA 15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2).....	98.43	33.63
26 09 23 00-0225 EA 20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2).....	103.72	33.63
26 09 23 00-0226 EA 25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2).....	110.22	33.63
26 09 23 00-0227 EA 50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2).....	139.61	33.63
26 09 23 00-0228 EA 1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2).....	882.46	33.63
26 09 23 00-0229 EA Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	216.40	33.63
26 09 23 00-0230 EA 1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	1,138.41	33.63
26 09 23 00-0231 EA Indoor Wired Photo Sensor (Encelium PHS-700)..... Note: Excludes GB II cable.	670.10	67.25
26 09 23 00-0232 EA Outdoor Wired Photo Sensor (Encelium PHS-800)..... Note: Excludes GB II cable.	670.10	67.25
26 09 23 00-0233 EA Skylight Wired Photo Sensor (Encelium PHS-900)..... Note: Excludes GB II cable.	670.10	67.25
26 09 23 00-0234 EA 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450)..... Note: Excludes GB II cable.	351.62	67.25
26 09 23 00-0235 EA 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500)..... Note: Excludes GB II cable.	340.94	67.25
26 09 23 00-0236 EA 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00)..... Note: Excludes GB II cable.	348.06	67.25
26 09 23 00-0237 EA High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY)..... Note: Excludes GB II cable.	383.65	67.25
26 09 23 00-0238 EA Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG)..... Note: Excludes GB II cable.	348.06	67.25
26 09 23 00-0239 EA 120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV)..... Note: Excludes GB II cable.	276.89	67.25
26 09 23 00-0240 EA High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V)..... Note: Excludes GB II cable.	293.16	67.25
26 09 23 00-0241 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V)..... Note: Excludes GB II cable.	293.16	67.25
26 09 23 00-0242 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLNS360)..... Note: Excludes GB II cable.	157.57	67.25
26 09 23 00-0243 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24)..... Note: Excludes GB II cable.	356.87	67.25
26 09 23 00-0244 EA Hallway, Wired Occupancy Sensor (Encelium HW-13)..... Note: Excludes GB II cable.	501.96	67.25
26 09 23 00-0245 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500)..... Note: Excludes GB II cable.	440.60	67.25
26 09 23 00-0246 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000)..... Note: Excludes GB II cable.	469.07	67.25
26 09 23 00-0247 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000)..... Note: Excludes GB II cable.	483.32	67.25
26 09 23 00-0248 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200)..... Note: Excludes GB II cable.	437.04	67.25
26 09 23 00-0249 EA 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV)..... Note: Excludes GB II cable.	365.87	67.25
26 09 23 00-0250 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W)..... Note: Excludes GB II cable.	455.91	67.25
26 09 23 00-0251 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W)..... Note: Excludes GB II cable.	452.18	67.25
26 09 23 00-0252 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W)..... Note: Excludes GB II cable.	500.75	67.25
26 09 23 00-0253 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W)..... Note: Excludes GB II cable.	485.82	67.25
26 09 23 00-0254 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24)..... Note: Excludes GB II cable.	522.31	67.25
26 09 23 00-0255 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV)..... Note: Excludes GB II cable.	485.96	67.25
26 09 23 00-0256 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT)..... Note: Excludes GB II cable.	485.96	67.25
26 09 23 00-0257 EA 10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	321.94	67.25
26 09 23 00-0258 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C).....	344.31	67.25
26 09 23 00-0259 EA 20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	597.72	67.25



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0260	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	638.80	67.25
26 09 23 00-0261	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	473.09	67.25
26 09 23 00-0262	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	492.94	67.25
26 09 23 00-0263	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2)	1,407.97	134.51
		Note: Excludes GB II cable and enclosure.		
26 09 23 00-0264	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V)	4,411.56	538.02
		Note: Excludes GB II cable.		
26 09 23 00-0265	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V)	6,412.88	538.02
		Note: Excludes GB II cable.		
26 09 23 00-0266	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V)	8,414.18	538.02
		Note: Excludes GB II cable.		
26 09 23 00-0267	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2).....	703.99	67.25
		Note: Excludes GB II cable.		
26 09 23 00-0268	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2)	805.69	67.25
		Note: Excludes GB II cable.		
26 09 23 00-0269	EA	Wireless Manager (Encelium EN-WM-ZB-P3D)	2,168.36	67.25
		Note: Includes white finish.		
26 09 23 00-0270	EA	Wireless Control Module (Encelium EN-WCM-ZB).....	297.75	33.63
26 09 23 00-0271	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	351.99	33.63
26 09 23 00-0272	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	353.34	33.63
26 09 23 00-0273	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR).....	366.13	33.63
26 09 23 00-0274	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0275	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0276	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0277	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0278	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0279	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	272.94	16.81
26 09 23 00-0280	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	581.96	67.25
26 09 23 00-0281	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	365.01	67.25
26 09 23 00-0282	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	365.01	67.25
26 09 23 00-0283	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	419.25	67.25
26 09 23 00-0284	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	419.25	67.25
26 09 23 00-0285	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0286	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0287	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0288	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0289	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0290	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	272.94	16.81
		Note: Includes white finish.		
26 09 23 00-0291	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	581.96	67.25
26 09 23 00-0292	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	264.13	16.81
26 09 23 00-0293	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	264.13	16.81
26 09 23 00-0294	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	264.13	16.81
26 09 23 00-0295	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	272.94	16.81
26 09 23 00-0296	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	581.96	67.25
26 09 23 00-0297	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	365.01	67.25
26 09 23 00-0298	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	365.01	67.25
26 09 23 00-0299	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	419.25	67.25
26 09 23 00-0300	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	419.25	67.25
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0302	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	264.13	16.81
		Note: Includes white finish.		
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	272.94	16.81
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	581.96	67.25
26 09 23 00-0308	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	165.69	67.25
26 09 23 00-0309	EA	Wireless Ethernet Transceiver Unit (cns-enocan Connectivity Kit).....	760.38	67.25
26 09 23 00-0310	Lighting Control Sensors (26 09 23)			
26 09 23 00-0311	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	404.92	30.26
26 09 23 00-0312	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	404.92	30.26
26 09 23 00-0313	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	354.93	30.26
26 09 23 00-0314	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	107.24	20.18
26 09 23 00-0315	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA).....	8.81	
26 09 23 00-0316	EA	Clip for Downlight (BKTCE015123.BUAAWAA).....	69.68	
26 09 23 00-0317	EA	Clip for Tube (LG BKTU015121.BUAAWAA).....	12.45	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0318	Radio Controlled Devices (Lutron) (26 09 23)		
26 09 23 00-0319	Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0320	Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0321	EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	532.40	20.18
26 09 23 00-0322	EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	692.01	20.18
26 09 23 00-0323	EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	871.57	20.18
26 09 23 00-0324	Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0325	EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	532.40	20.18
26 09 23 00-0326	EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	632.16	20.18
26 09 23 00-0327	EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	871.57	20.18
26 09 23 00-0328	EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	532.40	20.18
26 09 23 00-0329	EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	692.01	20.18
26 09 23 00-0330	EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	871.57	20.18
26 09 23 00-0331	Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0332	EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	692.01	20.18
26 09 23 00-0333	EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	871.57	20.18
26 09 23 00-0334	EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	871.57	20.18
26 09 23 00-0335	Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0336	EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	532.40	20.18
26 09 23 00-0337	EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	692.01	20.18
26 09 23 00-0338	EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	632.16	20.18
26 09 23 00-0339	EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	771.82	20.18
26 09 23 00-0340	EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	692.01	20.18
26 09 23 00-0341	EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	831.67	20.18
26 09 23 00-0342	EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	692.01	20.18
26 09 23 00-0343	Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0344	EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	532.40	20.18
26 09 23 00-0345	EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	692.01	20.18
26 09 23 00-0346	EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	692.01	20.18
26 09 23 00-0347	EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	871.57	20.18
26 09 23 00-0348	EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	692.01	20.18
26 09 23 00-0349	EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	871.57	20.18
26 09 23 00-0350	Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0351	EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	532.40	20.18
26 09 23 00-0352	EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	692.01	20.18
26 09 23 00-0353	EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	871.57	20.18
26 09 23 00-0354	Accessories For Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0355	EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	113.43	20.18
26 09 23 00-0356	Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0318)		



Electrical		26
Instrumentation and Control for Electrical Systems		26 09
Lighting Control Devices		26 09 23

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0357 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	492.50	20.18
26 09 23 00-0358 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	532.40	20.18
26 09 23 00-0359 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	532.40	20.18
26 09 23 00-0360 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	532.40	20.18
26 09 23 00-0361 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	532.40	20.18
26 09 23 00-0362 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	532.40	20.18
26 09 23 00-0363 Interfaces For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0364 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	492.50	20.18
26 09 23 00-0365 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	492.50	20.18
26 09 23 00-0366 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	492.50	20.18
26 09 23 00-0367 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	999.26	20.18
26 09 23 00-0368 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	1,430.20	20.18
26 09 23 00-0369 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	1,430.20	20.18
26 09 23 00-0370 Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0371 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	632.16	20.18
26 09 23 00-0372 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	711.96	20.18
26 09 23 00-0373 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	831.67	20.18
26 09 23 00-0374 AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0375 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	931.42	20.18
26 09 23 00-0376 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	1,280.57	20.18
26 09 23 00-0377 RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) (26 09 23)		
26 09 23 00-0378 RF Wireless Technology, Switches (Lutron® Maestro Wireless®) (26 09 23 00-0377)		
26 09 23 00-0379 EA 6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS).....	145.64	26.90
26 09 23 00-0380 EA 8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	171.04	26.90
26 09 23 00-0381 EA 8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	265.71	26.90
26 09 23 00-0382 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS).....	103.26	26.90
26 09 23 00-0383 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277).....	125.45	26.90
26 09 23 00-0384 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS).....	112.58	26.90
26 09 23 00-0385 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277).....	135.22	26.90
26 09 23 00-0386 RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) (26 09 23 00-0377)		
26 09 23 00-0387 EA 600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M).....	139.78	26.90
26 09 23 00-0388 EA 600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV).....	151.50	26.90
26 09 23 00-0389 EA 600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120).....	180.81	26.90
26 09 23 00-0390 EA 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120).....	194.25	33.63
26 09 23 00-0391 EA 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120).....	238.44	26.90
26 09 23 00-0392 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R).....	80.67	26.90
26 09 23 00-0393 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277).....	96.79	26.90
26 09 23 00-0394 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD).....	86.55	26.90
26 09 23 00-0395 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277).....	102.65	26.90
26 09 23 00-0396 EA 6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV).....	270.00	47.07
26 09 23 00-0397 Removal And Reinstallation Of Occupancy Sensors (26 09 23)		
26 09 23 00-0398 EA Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor.....	90.80	
26 09 23 00-0399 EA Removal And Reinstallation Of Wall Mounted Occupancy Sensor.....	60.53	
26 09 23 00-0400 Occupancy Sensors (Watt Stopper) (26 09 23)		
Note: Includes testing of new devices and certification.		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0401	Occupancy Sensors (26 09 23 00-0400) Note: Exclude boxes.			
26 09 23 00-0402	Wall Switch Mounted Occupancy Sensors (26 09 23 00-0401)			
26 09 23 00-0403	Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)			
26 09 23 00-0404	EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	148.87	13.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07		
26 09 23 00-0405	EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	175.88	13.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07		
26 09 23 00-0406	Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)			
26 09 23 00-0407	EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100).....	122.76	13.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07		
26 09 23 00-0408	EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	114.57	13.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07		
26 09 23 00-0409	EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100).....	129.85	13.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07		
26 09 23 00-0410	EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	150.50	13.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07		
26 09 23 00-0411	EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD).....	148.80	13.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07		
26 09 23 00-0412	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)			
26 09 23 00-0413	EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	217.01	13.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07		
26 09 23 00-0414	EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200).....	234.10	13.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07		
26 09 23 00-0415	Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0402)			
26 09 23 00-0416	EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	8.35	3.36	
26 09 23 00-0417	EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	9.71	3.36	
26 09 23 00-0418	EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	9.71	3.36	
26 09 23 00-0419	Ceiling Mounted Occupancy Sensors (26 09 23 00-0401)			
26 09 23 00-0420	Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)			
26 09 23 00-0421	25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)			
26 09 23 00-0422	EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	195.74	30.26	
26 09 23 00-0423	EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	225.12	30.26	
26 09 23 00-0424	EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	254.71	30.26	
26 09 23 00-0425	EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	252.04	30.26	
26 09 23 00-0426	32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)			
26 09 23 00-0427	EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	213.13	30.26	
26 09 23 00-0428	EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	242.93	30.26	
26 09 23 00-0429	EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	271.14	30.26	
26 09 23 00-0430	EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	275.92	30.26	
26 09 23 00-0431	EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	230.93	30.26	
26 09 23 00-0432	EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	261.47	30.26	
26 09 23 00-0433	EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	291.90	30.26	
26 09 23 00-0434	EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	300.66	30.26	
26 09 23 00-0435	40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)			
26 09 23 00-0436	EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	221.74	30.26	
26 09 23 00-0437	EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	257.34	30.26	
26 09 23 00-0438	EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	287.14	30.26	
26 09 23 00-0439	EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	208.62	30.26	
26 09 23 00-0440	EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	253.49	30.26	
26 09 23 00-0441	EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	268.02	30.26	



Electrical		26
Instrumentation and Control for Electrical Systems		26 09
Lighting Control Devices		26 09 23

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0442 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	223.59	30.26
26 09 23 00-0443 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	249.42	30.26
26 09 23 00-0444 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	281.32	30.26
26 09 23 00-0445 Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)		
26 09 23 00-0446 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	161.45	30.26
26 09 23 00-0447 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	164.91	30.26
26 09 23 00-0448 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	173.14	30.26
26 09 23 00-0449 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	195.18	30.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0450 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	197.86	30.26
26 09 23 00-0451 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	209.39	30.26
26 09 23 00-0452 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	227.86	30.26
26 09 23 00-0453 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)		
26 09 23 00-0454 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	270.89	30.26
26 09 23 00-0455 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	309.96	30.26
26 09 23 00-0456 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	262.60	30.26
26 09 23 00-0457 Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0401)		
26 09 23 00-0458 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0457)		
26 09 23 00-0459 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	333.37	30.26
26 09 23 00-0460 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	333.37	30.26
26 09 23 00-0461 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0457)		
26 09 23 00-0462 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	309.96	30.26
26 09 23 00-0463 Occupancy Sensor Power Packs (26 09 23 00-0400)		
26 09 23 00-0464 Single Voltage, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0465 EA 220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	108.43	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0466 EA 347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	98.51	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0467 Auxiliary, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0468 EA 120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	90.34	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0469 Universal Voltage, Power Packs For Occupancy Sensors (26 09 23 00-0463)		
26 09 23 00-0470 EA 120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	120.25	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0471 Form C, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0472 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	108.89	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0473 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	108.97	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0474 Two Relay, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0475 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	137.64	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0476 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	139.61	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0477 Occupancy Sensor Power Supplies (26 09 23 00-0463)		
26 09 23 00-0478 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150).....	121.60	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0479 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	283.04	26.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0480		Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0481	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	375.26	26.90
26 09 23 00-0482		DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0463)		
26 09 23 00-0483	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	119.13	26.90
26 09 23 00-0484		Occupancy Sensor Accessories (26 09 23 00-0400)		
26 09 23 00-0485		Protective Cages For Occupancy Sensors (26 09 23 00-0484)		
26 09 23 00-0486	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC).....	68.90	10.09
26 09 23 00-0487		Mounting Brackets For Occupancy Sensors (26 09 23 00-0484)		
26 09 23 00-0488	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	53.09	16.81
26 09 23 00-0489		Occupancy/Lighting Logger (26 09 23 00-0484)		
26 09 23 00-0490	EA	Note: Logs when a space is occupied/vacant and when lighting is on/off. Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	513.04	57.17
26 09 23 00-0491		Digital Time Light Switches (26 09 23 00-0400)		
26 09 23 00-0492	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	110.70	13.45
26 09 23 00-0493		Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (26 09 23 00-0400)		
26 09 23 00-0494	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211).....	242.14	43.71
26 09 23 00-0495		Occupancy Sensors (Sensor Switch) (26 09 23)		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0496		Occupancy Sensors (Sensor Switch) (26 09 23 00-0495)		
		Note: Exclude boxes		
26 09 23 00-0497		Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)		
26 09 23 00-0498		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0497)		
26 09 23 00-0499	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)..... For Low Temp/High Humidity Option, Add For Low Voltage Relay Option, Add	226.41 15.11 18.14	13.45
26 09 23 00-0500	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.91 8.07	13.45
26 09 23 00-0501	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)..... For Low Temp/High Humidity Option, Add For Photocell (Inhibit Mode Only) Option, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	152.59 15.11 18.14 8.07	13.45
26 09 23 00-0502	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)..... For Low Temp/High Humidity Option, Add For Photocell (Inhibit Mode Only) Option, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	152.59 15.11 18.14 8.07	13.45
26 09 23 00-0503	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)..... For Low Temp/High Humidity Option, Add For Photocell (Inhibit Mode Only) Option, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.16 15.11 18.14 8.07	13.45
26 09 23 00-0504	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)..... For Low Temp/High Humidity Option, Add For Photocell (Inhibit Mode Only) Option, Add	193.16 15.11 18.14	13.45
26 09 23 00-0505	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)..... For Low Temp/High Humidity Option, Add For Photocell (Inhibit Mode Only) Option, Add	234.74 15.11 18.14	13.45
26 09 23 00-0506	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)..... For Low Temp/High Humidity Option, Add For Photocell (Inhibit Mode Only) Option, Add	193.16 15.11 18.14	13.45
26 09 23 00-0507		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0497)		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0508	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)..... For Low Temp/High Humidity Option, Add For Low Voltage Relay Option, Add	292.91 15.11 18.14	13.45
26 09 23 00-0509	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	226.41 8.07	13.45



Electrical	26	26
Instrumentation and Control for Electrical Systems	26 09	
Lighting Control Devices	26 09 23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0510	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	221.44	13.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07	
26 09 23 00-0511	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	221.44	13.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07	
26 09 23 00-0512	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	259.66	13.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07	
26 09 23 00-0513	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	259.66	13.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
26 09 23 00-0514	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	279.61	13.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
26 09 23 00-0515			Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0497)		
26 09 23 00-0516	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	20.02	3.36
26 09 23 00-0517	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	20.02	3.36
26 09 23 00-0518	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	39.97	3.36
26 09 23 00-0519	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	39.97	3.36
26 09 23 00-0520			360 Degree View Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)		
26 09 23 00-0521			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) (26 09 23 00-0520)		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0522	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	260.04	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0523	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	260.04	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0524	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	260.04	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0525	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	276.67	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0526	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	276.67	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0527	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	223.46	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0528	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	343.17	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0529	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	343.17	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Photocell Option With Dual Zone On/Off, Add	45.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0530	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	289.97	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Photocell Option With Dual Zone On/Off, Add	45.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0531	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	260.04	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0532	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	260.04	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0533	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	260.04	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0534	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	276.67	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0535	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	276.67	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell Option With Dimming Capability, Add	45.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0536	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	223.46	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell Option With Dimming Capability, Add	45.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	343.17	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Photocell Option With Dual Zone On/Off, Add	45.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0538	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	343.17	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Photocell Option With Dual Zone On/Off, Add	45.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0539	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	289.97	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Photocell Option With Dual Zone On/Off, Add	45.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0540		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0520) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0541	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	326.54	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell Option With Dimming Capability, Add	45.34	



Electrical		26
Instrumentation and Control for Electrical Systems		26 09
Lighting Control Devices		26 09 23

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0542 EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Low Voltage Relay Option, Add	18.14	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Occupancy Controlled Dimming Option, Add	30.23	
For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0543 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Low Voltage Relay Option, Add	18.14	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Occupancy Controlled Dimming Option, Add	30.23	
For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0544 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	309.92	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Occupancy Controlled Dimming Option, Add	30.23	
For Photocell Option With Dimming Capability, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0545 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	309.92	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Occupancy Controlled Dimming Option, Add	30.23	
For Photocell Option With Dimming Capability, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0546 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	256.71	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Occupancy Controlled Dimming Option, Add	30.23	
For Photocell Option With Dimming Capability, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0547 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	376.42	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Photocell Option With Dual Zone On/Off, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0548 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	376.42	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Photocell Option With Dual Zone On/Off, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0549 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	323.22	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Photocell Option With Dual Zone On/Off, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0550 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Low Voltage Relay Option, Add	18.14	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Occupancy Controlled Dimming Option, Add	30.23	
For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0551 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Low Voltage Relay Option, Add	18.14	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Occupancy Controlled Dimming Option, Add	30.23	
For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0552 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Low Voltage Relay Option, Add	18.14	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Occupancy Controlled Dimming Option, Add	30.23	
For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0553 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	309.92	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Photocell (Inhibit Mode Only) Option, Add	18.14	
For Occupancy Controlled Dimming Option, Add	30.23	
For Photocell Option With Dimming Capability, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0554	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	309.92	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0555	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	256.71	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0556	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	376.42	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0557	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	376.42	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0558	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	323.22	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0559			Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)		
26 09 23 00-0560			Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0559)		
26 09 23 00-0561	EA		Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	260.04	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Ceiling Mount, Add	30.23	
26 09 23 00-0562	EA		Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	293.29	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Ceiling Mount, Add	30.23	
26 09 23 00-0563	EA		Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	359.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Ceiling Mount, Add	30.23	
26 09 23 00-0564	EA		Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	343.17	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Ceiling Mount, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0565	EA		2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	409.67	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Ceiling Mount, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0566			Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0559)		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0567	EA		Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	326.54	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Ceiling Mount, Add	30.23	
26 09 23 00-0568	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	376.42	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Ceiling Mount, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0569	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	442.92	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Ceiling Mount, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	



Electrical		26
Instrumentation and Control for Electrical Systems		26 09
Lighting Control Devices		26 09 23

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0570		High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)		
26 09 23 00-0571		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0570)		
26 09 23 00-0572	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	260.04	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option, Add	30.23	
		For Occupancy Controlled Dimming Option, Add	30.23	
26 09 23 00-0573	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	260.04	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option, Add	30.23	
		For Occupancy Controlled Dimming Option, Add	30.23	
26 09 23 00-0574	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	260.04	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option, Add	30.23	
		For Occupancy Controlled Dimming Option, Add	30.23	
26 09 23 00-0575	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	223.46	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Start To High, HID Option, Add	18.14	
		For Photocell Option, Add	30.23	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0576	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	223.46	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Start To High, HID Option, Add	18.14	
		For Photocell Option, Add	30.23	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0577	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	223.46	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Start To High, HID Option, Add	18.14	
		For Photocell Option, Add	30.23	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0578	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	289.97	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0579	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	289.97	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0580	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	289.97	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0581	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	246.74	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0582	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	246.74	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0583	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	246.74	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0584	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	246.74	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0585	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	246.74	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0586	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	246.74	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0587	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	293.29	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
26 09 23 00-0588	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	293.29	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
26 09 23 00-0589	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	293.29	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option, Add	30.23	
		For Occupancy Controlled Dimming Option, Add	30.23	
26 09 23 00-0590	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	356.47	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Start To High, HID Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0591	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	356.47	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Start To High, HID Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0592	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	356.47	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Start To High, HID Option, Add	18.14	
		For Photocell Option, Add	30.23	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0593	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	313.24	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0594	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	313.24	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0595	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	263.36	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0596	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	263.36	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0597	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	263.36	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0598	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	263.36	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0599	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	293.29	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
26 09 23 00-0600	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	293.29	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Low Voltage Relay Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
26 09 23 00-0601	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	356.47	30.26
		For Low Temp/High Humidity Option, Add	15.11	
		For Start To High, HID Option, Add	18.14	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	



Electrical		26
Instrumentation and Control for Electrical Systems		26 09
Lighting Control Devices		26 09 23

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0602	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	356.47	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Start To High, HID Option, Add	18.14	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0603	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	343.17	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0604	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	309.92	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0605	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	309.92	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0606 Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0495)					
26 09 23 00-0607	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	146.91	26.90
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0608	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	213.42	26.90
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0609	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	113.66	26.90
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0610	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	103.69	26.90
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0611	EA		20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	136.94	26.90
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0612	EA		120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	220.07	26.90
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0613	EA		120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	220.07	26.90
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0614	EA		120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	220.07	26.90
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 09 23 00-0615 Daylighting Control (Sensor Switch) (26 09 23 00-0495)					
26 09 23 00-0616	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	226.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Dual Zone Option, Add	45.34	
26 09 23 00-0617	EA		Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	226.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Dual Zone Option, Add	45.34	
26 09 23 00-0618	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	226.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Dual Zone Option, Add	45.34	
26 09 23 00-0619	EA		Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	226.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For 480 Volt AC Option, Add	21.16	
			For Dual Zone Option, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0620	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	226.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For 480 Volt AC Option, Add	21.16	
			For Dual Zone Option, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0621	EA		Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	226.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For 480 Volt AC Option, Add	21.16	
			For Dual Zone Option, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0622	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	226.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Dual Zone Option, Add	45.34	
26 09 23 00-0623	EA		Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	226.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Dual Zone Option, Add	45.34	
26 09 23 00-0624	EA		Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	226.79	30.26
			For Low Temp/High Humidity Option, Add	15.11	
			For Dual Zone Option, Add	45.34	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0625 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	226.79	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Dual Zone Option, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0626 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	226.79	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Dual Zone Option, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0627 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	226.79	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Dual Zone Option, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0628 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Dual Zone Option, Add	45.34	
26 09 23 00-0629 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Dual Zone Option, Add	45.34	
26 09 23 00-0630 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Dual Zone Option, Add	45.34	
26 09 23 00-0631 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Dual Zone Option, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0632 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Dual Zone Option, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0633 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	326.54	30.26
For Low Temp/High Humidity Option, Add	15.11	
For Dual Zone Option, Add	45.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 09 23 00-0634 Occupancy Sensors (Sensor Switch nLight®) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0635 Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0634)		
Note: Excludes boxes.		
26 09 23 00-0636 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0637 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0636)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0638 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	351.54	13.45
26 09 23 00-0639 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0640 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0639)		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0641 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	417.27	30.26
26 09 23 00-0642 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	417.27	30.26
26 09 23 00-0643 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	417.27	30.26
26 09 23 00-0644 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0639)		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0645 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	488.61	30.26
26 09 23 00-0646 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	488.61	30.26
26 09 23 00-0647 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	506.42	30.26
26 09 23 00-0648 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0649 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0648)		
Note: Includes passive infrared and microphonics detection		



Electrical		26
Instrumentation and Control for Electrical Systems		26 09
Lighting Control Devices		26 09 23

26

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0650	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	488.61		30.26
26 09 23 00-0651		High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)			
26 09 23 00-0652		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0651)			
26 09 23 00-0653	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	417.27		30.26
26 09 23 00-0654		Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0634)			
26 09 23 00-0655	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	142.99		26.90
26 09 23 00-0656	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	178.70		26.90
26 09 23 00-0657	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	239.31		26.90
26 09 23 00-0658	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	239.31		26.90
26 09 23 00-0659		Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0634)			
26 09 23 00-0660	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X).....	506.42		30.26
26 09 23 00-0661	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	408.13		30.26
26 09 23 00-0662		Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0634)			
26 09 23 00-0663	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	345.92		30.26
26 09 23 00-0664		Controls (Sensor Switch nLight®) (26 09 23 00-0634)			
26 09 23 00-0665	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	228.20		30.26
26 09 23 00-0666	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	328.11		30.26
26 09 23 00-0667	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	756.17		30.26
26 09 23 00-0668	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	756.17		30.26
26 09 23 00-0669	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,825.25		30.26
26 09 23 00-0670		Occupancy Sensors (Lutron) (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0671		Wireless Occupancy Sensors (26 09 23 00-0670)			
26 09 23 00-0672	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	170.29		30.26
26 09 23 00-0673	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	177.67		30.26
26 09 23 00-0674	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	172.04		30.26
26 09 23 00-0675	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	181.80		30.26
26 09 23 00-0676	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	174.23		30.26
26 09 23 00-0677	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	181.80		30.26
26 09 23 00-0678	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	170.29		30.26
26 09 23 00-0679	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	174.23		30.26
26 09 23 00-0680	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	172.04		30.26
26 09 23 00-0681	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	263.89		30.26
26 09 23 00-0682	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	281.39		30.26
26 09 23 00-0683	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	320.75		30.26
26 09 23 00-0684	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	338.25		30.26
26 09 23 00-0685	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	347.00		30.26
26 09 23 00-0686	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	364.49		30.26
26 09 23 00-0687	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	208.78		30.26
26 09 23 00-0688	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	220.15		30.26
26 09 23 00-0689	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	257.33		30.26
26 09 23 00-0690	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	285.76		30.26
26 09 23 00-0691	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	307.63		30.26
26 09 23 00-0692	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	266.08		30.26
26 09 23 00-0693	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	244.84		30.26
26 09 23 00-0694	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	205.32		30.26
26 09 23 00-0695	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	251.92		30.26

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0696 EA Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	305.15	30.26
26 09 23 00-0697 EA Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	323.68	30.26
26 09 23 00-0698 EA Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	323.68	30.26
26 09 23 00-0699 EA Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	323.68	30.26
26 09 23 00-0700 EA Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	340.65	30.26
26 09 23 00-0701 EA Wireless, Two Switches and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	551.99	43.71
26 09 23 00-0702 Nodes And Modules (26 09 23 00-0670)		
26 09 23 00-0703 EA 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	274.83	30.26
26 09 23 00-0704 EA 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	274.83	30.26
26 09 23 00-0705 EA 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	347.00	30.26
26 09 23 00-0706 EA 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	347.00	30.26
26 09 23 00-0707 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	443.38	33.63
26 09 23 00-0708 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	443.38	33.63
26 09 23 00-0709 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	537.42	33.63
26 09 23 00-0710 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	550.54	33.63
26 09 23 00-0711 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	679.57	33.63
26 09 23 00-0712 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	721.12	33.63
26 09 23 00-0713 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	762.68	33.63
26 09 23 00-0714 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,059.44	53.81
26 09 23 00-0715 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	2,023.69	60.53
26 09 23 00-0716 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,966.60	67.25
26 09 23 00-0717 Other Accessories (26 09 23 00-0670)		
26 09 23 00-0718 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	44.74	
26 09 23 00-0719 EA Pico® Wireless Control (Lutron® PJ)	56.18	
26 09 23 00-0720 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	166.51	
26 09 23 00-0721 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	317.41	
26 09 23 00-0722 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	334.38	30.26
26 09 23 00-0723 EA seeTouch® QS Wallstation (Lutron® QSWS2)	423.02	30.26
26 09 23 00-0724 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	423.02	30.26
26 09 23 00-0725 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	692.69	33.63
26 09 23 00-0726 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	948.57	33.63
26 09 23 00-0727 EA Control Interface (Lutron® QSE-CI-NWK-E)	1,140.86	30.26
26 09 23 00-0728 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,132.13	30.26
26 09 23 00-0729 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,514.85	30.26
26 09 23 00-0730 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,536.36	940.15
26 09 23 00-0731 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,411.14	940.15
26 09 23 00-0732 Fixture Mounted Occupancy Sensors (Leviton) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0733 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	163.29	30.26
26 09 23 00-0734 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W)	143.17	30.26
26 09 23 00-0735 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	179.92	30.26
26 09 23 00-0736 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	143.17	30.26
26 09 23 00-0737 EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	235.36	13.43
26 09 23 00-0738 Wireless Enabled Communication Devices For Streetlights (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0739 Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0738)		
26 09 23 00-0740 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	358.09	
26 09 23 00-0741 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	500.78	
26 09 23 00-0742 Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0738)		
26 09 23 00-0743 EA Retrofit Receptacle Kit (Roam® DUR103)	62.01	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0744 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,417.54	74.02
26 09 23 00-0745 Counter Mounted Consolets (26 09 23)		
26 09 23 00-0746 EA 20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	717.02	167.89
26 09 23 00-0747 Lighting Console And Stations (26 09 23)		
26 09 23 00-0748 EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	5,100.95	167.89
For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add		110.19
For Lighting Console Case (ETC ColorSourcePart 11866), Add		1,174.91
26 09 23 00-0749 EA 10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,522.05	100.73



Electrical		26
Instrumentation and Control for Electrical Systems		26 09
Lighting Control Devices		26 09 23

26

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0750	Emergency Lighting Controls (26 09 23)		
26 09 23 00-0751	Emergency Lighting Control Units (Watt Stopper ELCU) (26 09 23 00-0750) Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0752	EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	255.46	33.63
26 09 23 00-0753	EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	255.46	33.63
26 09 23 00-0754	Emergency Shunt Relays (Lighting Control & Design GR 2001™) (26 09 23 00-0750) Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0755	EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	416.43	47.07
26 09 23 00-0756	EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	567.83	53.81
26 09 23 00-0757	EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	765.56	60.53
	Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0758	Photocells (26 09 23)		
26 09 23 00-0759	EA Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	103.31	
26 09 23 00-0760	EA Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	237.77	
26 09 23 00-0761	Outdoor Lighting Motion Sensors (26 09 23)		
26 09 23 00-0762	EA 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	136.48	33.63
26 09 23 00-0763	EA 70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	149.03	33.63
26 09 23 00-0764	EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	615.08	33.63
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.18	
26 09 23 00-0765	Street Light Controls (26 09 23)		
26 09 23 00-0766	Photo Controls (26 09 23 00-0765)		
26 09 23 00-0767	EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	108.81	
26 09 23 00-0768	EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	124.39	
26 09 23 00-0769	Connector Node (26 09 23 00-0765)		
26 09 23 00-0770	EA Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	555.73	3.42
26 10 Medium-Voltage Electrical Distribution (26)			
26 11 Substations (26 10)			
26 11 13 Primary Unit Substations (26 11)			
26 11 13 00-0001	"Switchyard" Substation Primary Incoming Section (26 11 13)		
26 11 13 00-0002	Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001) Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	82,012.02	2,325.28
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,419.11	
26 11 13 00-0004	EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	100,583.00	2,940.81
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,773.89	
26 11 13 00-0005	EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	114,107.27	2,940.81
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,773.89	
26 11 13 00-0006	EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	131,311.11	2,940.81
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,892.15	
26 11 13 00-0007	EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	148,948.64	3,624.71
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,183.25	
26 11 13 00-0008	Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)		
26 11 13 00-0009	EA Reclosure Relay, Adjustable, 3 Shot, #179	2,176.44	245.42
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.32	
26 11 13 00-0010	EA Overcurrent Relay, 1 Phase, #51/51N.....	654.97	177.93
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.92	
26 11 13 00-0011	EA Directional Overcurrent Relay, Three-Phase, Device No. 67.....	998.03	177.93
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.77	
26 11 13 00-0012	EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	788.38	177.93
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.92	
26 11 13 00-0013	EA Differential Relay Package, Complete, Device No. 87	2,948.92	601.29
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	363.07	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0014			"Switchyard", Substation Transformer Section ^(26 11 13)		
			Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015			14.4 KV Nominal Primary ^(26 11 13 00-0014)		
26 11 13 00-0016	EA		1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	46,826.42	2,325.28
			For 50 Hz Operation, Add	5,051.53	
			For Forced Air-Cooling, Add	5,051.53	
			For External Control Panel, Add	1,262.88	
			For Internally Mounted Current Transformers And Linear Couplers, Add	420.96	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,104.80	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,262.01	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,314.41	
26 11 13 00-0017	EA		2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	53,437.63	2,913.44
			For 50 Hz Operation, Add	5,702.96	
			For Forced Air-Cooling, Add	5,702.96	
			For External Control Panel, Add	1,425.74	
			For Internally Mounted Current Transformers And Linear Couplers, Add	475.25	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,376.23	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,940.58	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,128.70	
26 11 13 00-0018	EA		5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	82,360.22	4,103.45
			For 50 Hz Operation, Add	8,874.08	
			For Forced Air-Cooling, Add	8,874.08	
			For External Control Panel, Add	2,218.52	
			For Internally Mounted Current Transformers And Linear Couplers, Add	739.51	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,697.53	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,243.84	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,092.60	
26 11 13 00-0019	EA		7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	119,624.86	4,904.60
			For 50 Hz Operation, Add	13,085.56	
			For Forced Air-Cooling, Add	13,085.56	
			For External Control Panel, Add	3,271.39	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,090.46	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,452.32	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,630.79	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,356.95	
26 11 13 00-0020	EA		10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	147,337.71	6,347.13
			For 50 Hz Operation, Add	16,093.74	
			For Forced Air-Cooling, Add	16,093.74	
			For External Control Panel, Add	4,023.44	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,341.15	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,705.73	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	16,764.31	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	20,117.18	
26 11 13 00-0021			23 KV Nominal Primary ^(26 11 13 00-0014)		
26 11 13 00-0022	EA		1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	52,219.67	3,145.98
			For 50 Hz Operation, Add	5,556.81	
			For External Control Panel, Add	1,389.20	
			For Internally Mounted Current Transformers And Linear Couplers, Add	463.07	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,315.34	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,788.34	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,946.01	
			For Forced Air-Cooling, Add	3,704.54	
26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	59,539.84	3,145.98
			For 50 Hz Operation, Add	6,287.96	
			For External Control Panel, Add	1,571.99	
			For Internally Mounted Current Transformers And Linear Couplers, Add	524.00	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,619.98	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,549.96	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,859.95	
			For Forced Air-Cooling, Add	4,191.97	
26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	95,945.51	4,650.58
			For 50 Hz Operation, Add	10,378.17	
			For External Control Panel, Add	2,594.54	
			For Internally Mounted Current Transformers And Linear Couplers, Add	864.85	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,324.24	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,810.60	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,972.72	
			For Forced Air-Cooling, Add	6,918.78	
26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	128,536.60	6,347.13
			For 50 Hz Operation, Add	13,837.61	
			For External Control Panel, Add	3,459.40	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,153.13	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,765.67	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,414.18	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,297.01	
			For Forced Air-Cooling, Add	9,225.07	



Electrical		26
Medium-Voltage Electrical Distribution		26 10
Substations		26 11

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	159,871.82	6,347.13
		For 50 Hz Operation, Add	17,597.83	
		For External Control Panel, Add	4,399.46	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,466.49	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,332.43	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,331.08	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	21,997.29	
		For Forced Air-Cooling, Add	11,731.89	
26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)				
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	65,632.80	3,761.49
		For 50 Hz Operation, Add	7,019.12	
		For External Control Panel, Add	1,754.78	
		For Internally Mounted Current Transformers And Linear Couplers, Add	584.93	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,924.63	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,311.58	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,773.89	
		For Forced Air-Cooling, Add	4,679.41	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	79,279.21	5,881.61
		For 50 Hz Operation, Add	8,481.43	
		For External Control Panel, Add	2,120.36	
		For Internally Mounted Current Transformers And Linear Couplers, Add	706.79	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,533.93	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,834.82	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,601.78	
		For Forced Air-Cooling, Add	5,654.28	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	109,592.02	5,881.61
		For 50 Hz Operation, Add	11,731.93	
		For External Control Panel, Add	2,932.98	
		For Internally Mounted Current Transformers And Linear Couplers, Add	977.66	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,888.31	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,220.76	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,664.92	
		For Forced Air-Cooling, Add	7,821.29	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	141,070.61	6,202.88
		For 50 Hz Operation, Add	15,341.69	
		For External Control Panel, Add	3,835.42	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,278.47	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,392.37	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,980.93	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	19,177.11	
		For Forced Air-Cooling, Add	10,227.79	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	245,045.87	7,933.92
		For 50 Hz Operation, Add	27,374.42	
		For External Control Panel, Add	6,843.61	
		For Internally Mounted Current Transformers And Linear Couplers, Add	2,281.20	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	11,406.01	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	28,515.02	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	34,218.03	
		For Forced Air-Cooling, Add	18,249.61	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)				
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	101,132.42	4,377.01
		For 50 Hz Operation, Add	11,103.81	
		For External Control Panel, Add	2,775.95	
		For Internally Mounted Current Transformers And Linear Couplers, Add	925.32	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,626.59	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,566.47	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,879.76	
		For Forced Air-Cooling, Add	7,402.54	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	114,365.41	4,377.01
		For 50 Hz Operation, Add	12,588.56	
		For External Control Panel, Add	3,147.14	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,049.05	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,245.23	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,113.09	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,735.70	
		For Forced Air-Cooling, Add	8,392.37	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	158,688.05	5,881.61
		For 50 Hz Operation, Add	17,623.46	
		For External Control Panel, Add	4,405.86	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,468.62	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,343.11	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,357.77	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,029.32	
		For Forced Air-Cooling, Add	11,748.97	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	193,397.77	7,933.92
		For 50 Hz Operation, Add	21,176.65	
		For External Control Panel, Add	5,294.16	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,764.72	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,823.60	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	22,059.01	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	26,470.81	
		For Forced Air-Cooling, Add	14,117.77	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air-Cooling, Add	276,458.73 31,143.96 7,785.99 2,595.33 12,976.65 32,441.63 38,929.96 20,762.64	7,933.92
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air-Cooling, Add	146,181.49 16,406.49 4,101.62 1,367.21 6,836.04 17,090.10 20,508.11 10,937.66	4,650.58
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air-Cooling, Add	167,696.58 18,704.48 4,676.12 1,558.71 7,793.53 19,483.83 23,380.60 12,469.65	5,881.61
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air-Cooling, Add	231,377.74 26,346.22 6,586.55 2,195.52 10,977.59 27,443.98 32,932.77 17,564.15	5,881.61
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air-Cooling, Add	244,134.47 27,265.05 6,816.26 2,272.09 11,360.44 28,401.10 34,081.32 18,176.70	7,933.92
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air-Cooling, Add	320,835.53 36,469.18 9,117.30 3,039.10 15,195.49 37,988.73 45,586.48 24,312.79	7,933.92
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)		
26 11 13 00-0046 EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section 26 11 13 00-0047 EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section 26 11 13 00-0048 EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section 26 11 13 00-0049 EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section 26 11 13 00-0050 EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section 26 11 13 00-0051 EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section 26 11 13 00-0052 EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section 26 11 13 00-0053 EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section 26 11 13 00-0054 EA 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	88,219.76 96,916.41 110,282.53 102,934.05 116,072.20 132,403.18 136,382.87 152,740.60 160,007.94	1,122.08 1,122.08 1,393.82 1,676.00 1,676.00 1,947.13 2,224.60 2,224.60 2,498.25
26 11 16 Secondary Unit Substations (26 11)		
26 11 16 11 Secondary Unit Substations with Switchgear Secondary (26 11 16)		
26 11 16 11-0001 Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002 Manual Transferring Fused Load Break Switches (26 11 16 11-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position..... 26 11 16 11-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	47,250.83 54,602.11	1,647.74 1,647.74
26 11 16 11-0005 Automatic Transferring Fused Load Break Switches (26 11 16 11-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch 26 11 16 11-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	66,913.96 71,698.22	1,647.74 1,647.74



Electrical		26	26
Medium-Voltage Electrical Distribution		26 10	
Substations		26 11	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0008 Accessories For Substation Fused Load Break Switches (26 11 16 11-0001)				
26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	25,358.09	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,468.28	
26 11 16 11-0011 Oil Filled Substation Transformers (26 11 16 11)				
Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.				
26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ (26 11 16 11-0011)				
26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	43,976.95	1,025.86
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,934.77	
		For Control Power Transformer On Fans And Auxiliary, Add	1,257.76	
		For Internal Mounted Current Transformer And Linear Coupler, Add	419.25	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	65,082.94	1,231.03
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,383.46	
		For Control Power Transformer On Fans And Auxiliary, Add	1,878.63	
		For Internal Mounted Current Transformer And Linear Coupler, Add	626.21	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	73,709.06	1,367.82
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,968.14	
		For Control Power Transformer On Fans And Auxiliary, Add	2,129.20	
		For Internal Mounted Current Transformer And Linear Coupler, Add	709.73	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	87,053.76	1,709.77
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,854.40	
		For Control Power Transformer On Fans And Auxiliary, Add	2,509.03	
		For Internal Mounted Current Transformer And Linear Coupler, Add	836.34	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	96,669.47	2,120.11
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,470.05	
		For Control Power Transformer On Fans And Auxiliary, Add	2,772.88	
		For Internal Mounted Current Transformer And Linear Coupler, Add	924.29	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	102,768.10	2,598.85
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,829.93	
		For Control Power Transformer On Fans And Auxiliary, Add	2,927.11	
		For Internal Mounted Current Transformer And Linear Coupler, Add	975.70	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	120,091.63	1,367.82
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,965.98	
		For Control Power Transformer On Fans And Auxiliary, Add	3,413.99	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,138.00	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	127,834.68	3,419.54
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	8,469.69	
		For Control Power Transformer On Fans And Auxiliary, Add	3,629.87	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,209.96	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	142,957.02	3,761.49
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	9,480.38	
		For Control Power Transformer On Fans And Auxiliary, Add	4,063.02	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,354.34	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	165,660.46	4,171.84
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	11,012.18	
		For Control Power Transformer On Fans And Auxiliary, Add	4,719.50	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,573.17	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	181,969.01	4,547.99
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	12,101.11	
		For Control Power Transformer On Fans And Auxiliary, Add	5,186.19	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,728.73	
26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ (26 11 16 11-0011)				
26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	41,885.36	1,025.86
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,788.35	
		For Control Power Transformer On Fans And Auxiliary, Add	1,195.01	
		For Internal Mounted Current Transformer And Linear Coupler, Add	398.34	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	63,994.38	1,025.86
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,335.99	
		For Control Power Transformer On Fans And Auxiliary, Add	1,858.28	
		For Internal Mounted Current Transformer And Linear Coupler, Add	619.43	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	73,662.77	1,367.82
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,964.90	
		For Control Power Transformer On Fans And Auxiliary, Add	2,127.81	
		For Internal Mounted Current Transformer And Linear Coupler, Add	709.27	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	87,133.40	1,709.77
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,859.97	
		For Control Power Transformer On Fans And Auxiliary, Add	2,511.42	
		For Internal Mounted Current Transformer And Linear Coupler, Add	837.14	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	104,796.91	2,120.11
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,038.97	
		For Control Power Transformer On Fans And Auxiliary, Add	3,016.70	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,005.57	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	112,888.22	2,598.85
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,538.34	
		For Control Power Transformer On Fans And Auxiliary, Add	3,230.72	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,076.91	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	124,764.72 8,293.09 3,554.18 1,184.73	3,145.98
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	135,884.50 9,033.18 3,871.36 1,290.45	3,419.54
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	153,366.66 10,209.06 4,375.31 1,458.44	3,761.49
26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)		
26 11 16 11-0035 EA Sudden Pressure Relay.....	12,707.37	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV).....	25,228.44	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole).....	16,611.96	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	92,188.03	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	86,251.08	
26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	9,378.66	1,447.78
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	9,378.66	1,447.78
26 11 16 11-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	9,378.66	1,447.78
26 11 16 11-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	9,378.66	1,447.78
26 11 16 11-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	9,378.66	1,447.78
26 11 16 11-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	9,378.66	1,447.78
26 11 16 11-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	9,378.66	1,447.78
26 11 16 11-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	11,545.81	1,669.32
26 11 16 11-0049 Dry Type Substation Transformer (26 11 16 11)		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	77,866.93 45,407.05 -1,891.96 16,868.10	1,094.25
26 11 16 11-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	78,003.70 45,407.05 -1,891.96 16,881.78	1,162.65
26 11 16 11-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	79,399.81 45,998.51 -1,916.60 17,139.68	1,367.82
26 11 16 11-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	87,644.83 50,781.38 -2,115.89 18,920.76	1,504.60
26 11 16 11-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	97,102.61 56,127.77 -2,338.66 20,935.81	1,778.16
26 11 16 11-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	112,513.75 65,046.18 -2,710.26 24,260.61	2,051.73
26 11 16 11-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	130,503.74 75,347.76 -3,139.49 28,119.93	2,462.07
26 11 16 11-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	154,538.33 89,440.24 -3,726.68 33,341.88	2,735.63
26 11 16 11-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	201,344.43 117,359.76 -4,889.99 43,606.40	2,872.41
26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)		
Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	75,181.31 43,795.68 -1,824.82 16,277.27	1,094.25



Electrical		26
Medium-Voltage Electrical Distribution		26 10
Substations		26 11

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 78,003.70		1,162.65
For Gas Filled Transformers, Add	45,407.05	
For Single Phase Transformers, Deduct	-1,891.96	
For Dry Type Unit, Add	16,881.78	
26 11 16 11-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 79,399.81		1,367.82
For Gas Filled Transformers, Add	45,998.51	
For Single Phase Transformers, Deduct	-1,916.60	
For Dry Type Unit, Add	17,139.68	
26 11 16 11-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 87,644.83		1,504.60
For Gas Filled Transformers, Add	50,781.38	
For Single Phase Transformers, Deduct	-2,115.89	
For Dry Type Unit, Add	18,920.76	
26 11 16 11-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 97,102.61		1,778.16
For Gas Filled Transformers, Add	56,127.77	
For Single Phase Transformers, Deduct	-2,338.66	
For Dry Type Unit, Add	20,935.81	
26 11 16 11-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 112,513.75		2,051.73
For Gas Filled Transformers, Add	65,046.18	
For Single Phase Transformers, Deduct	-2,710.26	
For Dry Type Unit, Add	24,260.61	
26 11 16 11-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 130,503.74		2,462.07
For Gas Filled Transformers, Add	75,347.76	
For Single Phase Transformers, Deduct	-3,139.49	
For Dry Type Unit, Add	28,119.93	
26 11 16 11-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 154,538.33		2,735.63
For Gas Filled Transformers, Add	89,440.24	
For Single Phase Transformers, Deduct	-3,726.68	
For Dry Type Unit, Add	33,341.88	
26 11 16 11-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 201,344.43		2,872.41
For Gas Filled Transformers, Add	117,359.76	
For Single Phase Transformers, Deduct	-4,889.99	
For Dry Type Unit, Add	43,606.40	
26 11 16 11-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 221,224.52		3,009.20
For Gas Filled Transformers, Add	129,123.68	
For Single Phase Transformers, Deduct	-5,380.15	
For Dry Type Unit, Add	47,947.19	
26 11 16 11-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 247,244.27		3,145.98
For Gas Filled Transformers, Add	144,571.39	
For Single Phase Transformers, Deduct	-6,023.81	
For Dry Type Unit, Add	53,638.70	
26 11 16 11-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer 285,520.04		3,282.76
For Gas Filled Transformers, Add	167,372.71	
For Single Phase Transformers, Deduct	-6,973.86	
For Dry Type Unit, Add	62,026.55	
26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)		
26 11 16 11-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer 83,698.00		1,231.03
For Gas Filled Transformers, Add	48,741.56	
For Single Phase Transformers, Deduct	-2,030.90	
For Dry Type Unit, Add	18,118.11	
26 11 16 11-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer 86,504.87		1,299.43
For Gas Filled Transformers, Add	50,343.61	
For Single Phase Transformers, Deduct	-2,097.65	
For Dry Type Unit, Add	18,719.21	
26 11 16 11-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer 92,387.35		1,504.60
For Gas Filled Transformers, Add	53,626.89	
For Single Phase Transformers, Deduct	-2,234.45	
For Dry Type Unit, Add	19,964.11	
26 11 16 11-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer 97,473.28		1,641.38
For Gas Filled Transformers, Add	56,514.31	
For Single Phase Transformers, Deduct	-2,354.76	
For Dry Type Unit, Add	21,050.19	
26 11 16 11-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer 111,091.42		1,914.95
For Gas Filled Transformers, Add	64,356.92	
For Single Phase Transformers, Deduct	-2,681.54	
For Dry Type Unit, Add	23,980.53	
26 11 16 11-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer 123,025.24		2,188.51
For Gas Filled Transformers, Add	71,188.94	
For Single Phase Transformers, Deduct	-2,966.21	
For Dry Type Unit, Add	26,540.31	
26 11 16 11-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer 143,599.95		2,598.85
For Gas Filled Transformers, Add	83,041.34	
For Single Phase Transformers, Deduct	-3,460.06	
For Dry Type Unit, Add	30,968.26	
26 11 16 11-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer 174,379.63		2,872.41
For Gas Filled Transformers, Add	101,180.88	
For Single Phase Transformers, Deduct	-4,215.87	
For Dry Type Unit, Add	37,674.14	
26 11 16 11-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer 211,382.44		3,009.20
For Gas Filled Transformers, Add	123,218.43	
For Single Phase Transformers, Deduct	-5,134.10	
For Dry Type Unit, Add	45,781.93	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)		
26 11 16 11-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	83,698.00	1,231.03
For Gas Filled Transformers, Add	48,741.56	
For Single Phase Transformers, Deduct	-2,030.90	
For Dry Type Unit, Add	18,118.11	
26 11 16 11-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	86,504.87	1,299.43
For Gas Filled Transformers, Add	50,343.61	
For Single Phase Transformers, Deduct	-2,097.65	
For Dry Type Unit, Add	18,719.21	
26 11 16 11-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	92,387.35	1,504.60
For Gas Filled Transformers, Add	53,626.89	
For Single Phase Transformers, Deduct	-2,234.45	
For Dry Type Unit, Add	19,964.11	
26 11 16 11-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	97,473.28	1,641.38
For Gas Filled Transformers, Add	56,514.31	
For Single Phase Transformers, Deduct	-2,354.76	
For Dry Type Unit, Add	21,050.19	
26 11 16 11-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	111,091.42	1,914.95
For Gas Filled Transformers, Add	64,356.92	
For Single Phase Transformers, Deduct	-2,681.54	
For Dry Type Unit, Add	23,980.53	
26 11 16 11-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	107,501.46	2,188.51
For Gas Filled Transformers, Add	61,874.67	
For Single Phase Transformers, Deduct	-2,578.11	
For Dry Type Unit, Add	23,125.08	
26 11 16 11-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	111,708.07	2,598.85
For Gas Filled Transformers, Add	63,906.22	
For Single Phase Transformers, Deduct	-2,662.76	
For Dry Type Unit, Add	23,952.05	
26 11 16 11-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	137,840.68	2,872.41
For Gas Filled Transformers, Add	79,257.51	
For Single Phase Transformers, Deduct	-3,302.40	
For Dry Type Unit, Add	29,635.57	
26 11 16 11-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	164,023.14	3,009.20
For Gas Filled Transformers, Add	94,802.85	
For Single Phase Transformers, Deduct	-3,950.12	
For Dry Type Unit, Add	35,362.88	
26 11 16 11-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	183,665.49	3,145.98
For Gas Filled Transformers, Add	106,424.12	
For Single Phase Transformers, Deduct	-4,434.34	
For Dry Type Unit, Add	39,651.37	
26 11 16 11-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	216,208.39	3,282.76
For Gas Filled Transformers, Add	125,785.72	
For Single Phase Transformers, Deduct	-5,241.07	
For Dry Type Unit, Add	46,777.98	
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	265,999.92	3,419.54
For Gas Filled Transformers, Add	155,496.50	
For Single Phase Transformers, Deduct	-6,479.02	
For Dry Type Unit, Add	57,699.29	

26 12 Medium-Voltage Transformers (26 10)**26 12 13 Liquid-Filled, Medium-Voltage Transformers** (26 12)**26 12 13 00-0001 Removal And Relocation Of Transformers** (26 12 13)

26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,387.92	
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,554.17	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers (26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0006 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,059.69	558.02
26 12 13 00-0007 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,829.28	697.52
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	12,550.58	837.02
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,300.26	1,046.27
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	19,327.69	1,255.53
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	27,238.68	1,464.79
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	32,250.04	1,743.79

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0014 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,059.69	558.02
26 12 13 00-0015 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,047.41	697.52
26 12 13 00-0016 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,550.58	837.02
26 12 13 00-0017 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,300.26	1,046.27
26 12 13 00-0018 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	19,327.69	1,255.53
26 12 13 00-0019 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	24,996.54	1,464.79
26 12 13 00-0020 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	31,111.45	1,743.79



Electrical		26
Medium-Voltage Electrical Distribution		26 10
Medium-Voltage Transformers		26 12

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0021	Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)		
26 12 13 00-0022	EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,805.21	558.02
26 12 13 00-0023	EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,138.53	697.52
26 12 13 00-0024	EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,867.43	837.02
26 12 13 00-0025	EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,142.61	1,046.27
26 12 13 00-0026	EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,662.05	1,255.53
26 12 13 00-0027	EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	25,416.94	1,464.79
26 12 13 00-0028	EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	31,216.55	1,743.79
26 12 13 00-0029	Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)		
26 12 13 00-0030	EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,986.76	558.02
26 12 13 00-0031	EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,356.43	697.52
26 12 13 00-0032	EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,058.12	837.02
26 12 13 00-0033	EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,982.96	1,046.27
26 12 13 00-0034	EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,846.13	1,255.53
26 12 13 00-0035	EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	30,125.96	1,464.79
26 12 13 00-0036	EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	38,818.48	1,743.79
26 12 13 00-0037	Transformer Platforms (26 12 13 00-0004)		
26 12 13 00-0038	EA Transformer Platforms, 75 - 167 KVA.....	4,997.64	942.35
26 12 13 00-0039	Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN (26 12 13 00-0004)		
26 12 13 00-0040	EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,064.20	558.02
26 12 13 00-0041	EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,334.72	697.52
26 12 13 00-0042	EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,059.47	837.02
26 12 13 00-0043	EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,981.31	1,046.27
26 12 13 00-0044	EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,985.05	1,325.28
26 12 13 00-0045	EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	30,130.05	1,464.79
26 12 13 00-0046	EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	38,818.48	1,743.79
26 12 13 00-0047	EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	52,023.65	2,232.05
26 12 13 00-0048	EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	66,447.85	2,999.33
26 12 13 00-0049	EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	77,868.29	3,487.59
26 12 13 00-0050	EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	99,578.58	3,766.59
26 12 13 00-0051	Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0004)		
26 12 13 00-0052	EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,059.69	683.29
26 12 13 00-0053	EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	10,829.28	854.04
26 12 13 00-0054	EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	12,550.01	1,023.82
26 12 13 00-0055	EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	16,301.60	1,283.01
26 12 13 00-0056	EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	19,326.39	1,536.91
26 12 13 00-0057	EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	27,236.93	1,789.97
26 12 13 00-0058	EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	32,250.04	2,135.24
26 12 13 00-0059	Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN (26 12 13 00-0004)		
26 12 13 00-0060	EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,059.69	683.29
26 12 13 00-0061	EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,047.41	854.04
26 12 13 00-0062	EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,550.01	1,023.82
26 12 13 00-0063	EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,301.60	1,283.01
26 12 13 00-0064	EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	19,326.39	1,536.91
26 12 13 00-0065	EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	24,994.79	1,789.97
26 12 13 00-0066	EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	31,111.45	2,135.24
26 12 13 00-0067	Primary 7.2 To 14.4 KV Ground Y (26 12 13 00-0004)		
26 12 13 00-0068	Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0067)		
26 12 13 00-0069	EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,147.73	558.02
26 12 13 00-0070	EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,484.35	697.52
26 12 13 00-0071	EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,769.48	837.02
26 12 13 00-0072	EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,836.92	1,046.27
26 12 13 00-0073	EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,143.63	1,255.53
26 12 13 00-0074	EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,059.02	1,464.79
26 12 13 00-0075	EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	29,927.92	1,743.79

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 12 13 00-0076	Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN (26 12 13 00-0067)	
26 12 13 00-0077	EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,569.35 558.02
26 12 13 00-0078	EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,757.24 697.52
26 12 13 00-0079	EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,438.97 837.02
26 12 13 00-0080	EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,175.91 1,046.27
26 12 13 00-0081	EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,234.75 1,255.53
26 12 13 00-0082	EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,753.97 1,464.79
26 12 13 00-0083	EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,622.88 1,743.79

26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)

26 12 16 00-0001	Removal and Relocation of Transformers (26 12 16)	
26 12 16 00-0002	EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	567.64
26 12 16 00-0003	EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,522.86

26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 19 00-0001	Single Phase Pad Mounted Oil Filled Distribution Transformers (26 12 19) Note: Designed for residential and multi-family buildings. UL listed.	
26 12 19 00-0002	Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled (26 12 19 00-0001) Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.	
26 12 19 00-0003	Primary, 4.16/4.8 KV Ground Y Or Delta (26 12 19 00-0002) Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.	
26 12 19 00-0004	EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	21,940.74 683.91
26 12 19 00-0005	EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	23,773.04 820.69
26 12 19 00-0006	EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,365.85 957.47
26 12 19 00-0007	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	35,302.76 1,025.86
26 12 19 00-0008	EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,169.29 1,094.25
26 12 19 00-0009	EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	52,561.55 1,436.21

26 12 19 00-0010	Factory Modifications Material Cost Only (26 12 19 00-0002)	
26 12 19 00-0011	EA Loadbreaker Current Limiting Fuse Factory Modifications	4,926.08
26 12 19 00-0012	EA Loadbreaker Oil Switch, 2 Position Factory Modifications	5,175.95
26 12 19 00-0013	EA Loadbreaker Inserts, Factory Modifications	5,693.55

26 12 19 00-0014	Distribution - Single Phase Multiple Building Transformer (26 12 19 00-0001) Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.	

26 12 19 00-0015	Primary, 4.16/4.8 KVA Ground Y Or Delta (26 12 19 00-0014) Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.	
26 12 19 00-0016	EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,912.64 683.91
26 12 19 00-0017	EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,297.41 683.91
26 12 19 00-0018	EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	33,518.14 936.96
26 12 19 00-0019	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	42,096.22 936.96
26 12 19 00-0020	EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	47,299.09 1,231.03
26 12 19 00-0021	EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	56,670.28 1,231.03
26 12 19 00-0022	EA 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	92,241.96 1,709.77

26 12 19 00-0023	Factory Modifications Material Cost Only (26 12 19 00-0014)	
26 12 19 00-0024	EA Loadbreaker Current Limiting Fuse Factory Modifications	6,568.10
26 12 19 00-0025	EA Lightning Arrestors, Factory Modifications	1,664.17
26 12 19 00-0026	EA Loadbreaker Oil Switch, 2 Position Factory Modifications	5,175.95
26 12 19 00-0027	EA Loop Feed Air Switch, Factory Modifications	8,424.31
26 12 19 00-0028	EA Loadbreaker Inserts (Two), Factory Modifications	2,248.86
26 12 19 00-0029	EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,945.44



Electrical		26	26
Medium-Voltage Electrical Distribution		26 10	
Medium-Voltage Transformers		26 12	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0030	Primary, 12.47 KV Ground Y Or Delta (26 12 19 00-0014) Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.			
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,333.38	683.91
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	32,115.66	683.91
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	33,201.50	936.96
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,180.93	936.96
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	51,299.66	1,231.03
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	63,750.03	1,231.17
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	80,968.31	1,709.77
26 12 19 00-0038	Oil Filled Distribution Transformer Single Phase Cluster Mounted (26 12 19 00-0001) Note: Conventional type.			
26 12 19 00-0039	13.8/14.4 KV Ground Y Or Delta Primary 120/240V (26 12 19 00-0038) Note: 2.5 Taps FCBN and FCAN.			
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,106.13	470.79
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,779.51	662.04
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	38,087.87	1,059.26
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	69,028.49	1,059.26
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	95,362.27	1,736.02
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	128,763.52	1,736.02
26 12 19 00-0046	Oil Filled Distribution Transformer Single Phase (26 12 19 00-0001)			
26 12 19 00-0047	7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,461.61	500.21
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,225.84	500.21
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,096.73	706.18
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,191.30	706.18
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,052.49	956.28
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,382.47	1,471.21
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	94,073.25	1,471.21
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	126,773.78	1,839.00
26 12 19 00-0056	7.2 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,461.61	500.21
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,226.50	500.21
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,096.73	706.18
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,191.30	706.18
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,052.49	956.28
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,774.24	1,294.66
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,382.47	1,294.66
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	94,073.25	1,633.04
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	126,773.78	1,839.00
26 12 19 00-0066	2.4 KV Primary, 277 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,484.17	500.21
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,430.01	500.21
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,710.03	706.18
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,529.69	706.18
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	40,890.72	956.28
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	63,603.20	1,294.66
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	74,450.49	1,294.66
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	103,993.82	1,633.04
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	140,222.31	1,839.00
26 12 19 00-0076	2.4 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,461.61	500.21
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,225.84	500.21
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,096.73	960.84
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,191.30	1,294.66
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,052.49	956.28
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,570.24	1,294.66
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,369.25	1,294.66
26 12 19 00-0084	2.4 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,461.61	500.21

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,225.84	500.21
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,096.73	706.18
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,191.30	706.18
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,052.49	956.28
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,570.24	1,294.66
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,369.25	1,294.66
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	16,318.13	514.92
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,675.58	573.77
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	21,669.23	632.62
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	27,349.17	882.72
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	30,355.65	1,029.84
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	42,592.42	1,206.39
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	51,471.21	1,382.93
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	81,767.95	1,765.44
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	114,349.50	1,986.12
26 12 19 00-0102 3 Phase Pad Mounted Oil Filled Distribution Transformers (26 12 19)		
26 12 19 00-0103 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt (26 12 19 00-0102)		
Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 19 00-0104 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	33,028.38	1,953.04
26 12 19 00-0105 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	41,658.63	2,092.55
26 12 19 00-0106 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	55,408.58	2,650.56
26 12 19 00-0107 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	72,435.42	3,348.08
26 12 19 00-0108 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	107,748.09	3,766.59
26 12 19 00-0109 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	135,149.16	5,022.13
26 12 19 00-0110 Pad Mounted Commercial Type Distribution Transformers UL Listed (26 12 19)		
26 12 19 00-0111 Distribution 3 Phase Oil Filled Transformer (26 12 19 00-0110)		
Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 12 19 00-0112 Factory Modifications (26 12 19 00-0111)		
Note: For use with series 4100 3 phase transformers.		
26 12 19 00-0113 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,757.10	
26 12 19 00-0114 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	610.95	
26 12 19 00-0115 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,443.78	
26 12 19 00-0116 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	7,040.68	
26 12 19 00-0117 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	862.51	
26 12 19 00-0118 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	682.82	
26 12 19 00-0119 Accessories For Transformer Liquid Containment Area (26 12 19 00-0111)		
Note: Reinforced concrete curb with 6" slab.		
26 12 19 00-0120 EA Containment Area For 75 KVA	8,865.25	2,420.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,613.78
26 12 19 00-0121 EA Containment Area For 112.5 KVA	8,865.25	2,420.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,613.78
26 12 19 00-0122 EA Containment Area For 150 KVA	8,865.25	2,420.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,613.78
26 12 19 00-0123 EA Containment Area For 225 KVA	8,865.25	2,420.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,613.78
26 12 19 00-0124 EA Containment Area For 300 KVA	8,856.57	2,420.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,611.18
26 12 19 00-0125 EA Containment Area For 500 KVA	8,856.57	2,420.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,611.18
26 12 19 00-0126 EA Containment Area For 750 KVA	8,957.20	2,420.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,611.18
26 12 19 00-0127 EA Containment Area For 1,000 KVA	10,416.28	2,420.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,611.18
26 12 19 00-0128 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL (26 12 19 00-0111)		
Note: Rated to 5 KVA.		
26 12 19 00-0129 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,342.61	1,641.38
26 12 19 00-0130 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	24,498.89	1,641.38
26 12 19 00-0131 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	25,936.41	1,641.38
26 12 19 00-0132 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	30,248.96	1,641.38
26 12 19 00-0133 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	32,069.91	2,462.07



Electrical		26	26
Medium-Voltage Electrical Distribution		26 10	
Medium-Voltage Transformers		26 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0134 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	33,507.43	2,462.07
26 12 19 00-0135 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	50,757.65	2,462.07
26 12 19 00-0136 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	64,810.48	3,282.76
26 12 19 00-0137 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	83,498.21	3,282.76
26 12 19 00-0138 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL (26 12 19 00-0111) Note: Rated to 5 KVA.		
26 12 19 00-0139 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	23,061.37	1,641.38
26 12 19 00-0140 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	25,936.41	1,641.38
26 12 19 00-0141 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	26,655.17	1,641.38
26 12 19 00-0142 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	27,373.92	1,641.38
26 12 19 00-0143 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	32,069.91	2,462.07
26 12 19 00-0144 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	34,944.95	2,462.07
26 12 19 00-0145 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	50,757.65	2,462.07
26 12 19 00-0146 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	65,529.23	3,282.76
26 12 19 00-0147 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	83,498.21	3,282.76
26 12 19 00-0148 Primary 5 KV Or 15 KV, Secondary 277/480 Volt (26 12 19 00-0110) Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0149 EA 150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	79,515.76	2,148.35
26 12 19 00-0150 EA 225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	86,615.72	2,536.17
26 12 19 00-0151 EA 300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	96,934.58	3,099.77
26 12 19 00-0152 EA 500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	115,716.51	3,487.59
26 12 19 00-0153 EA 750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	143,064.57	3,671.03
26 12 19 00-0154 EA 1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	171,799.03	5,363.91
26 12 19 00-0155 EA 1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	202,557.60	6,068.40
26 12 19 00-0156 EA 2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	254,325.94	6,975.17
26 12 19 00-0157 EA 2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	281,931.52	7,323.93
26 12 19 00-0158 EA 3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	296,768.03	8,161.23
26 12 19 00-0159 EA 3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer.....	342,026.75	8,719.24
26 12 19 00-0160 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled (26 12 19 00-0110)		
26 12 19 00-0161 EA 1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	146,530.24	6,095.67
26 12 19 00-0162 EA 2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	180,869.36	7,010.06
26 12 19 00-0163 EA 2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	206,335.49	7,378.96
26 12 19 00-0164 EA 3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	218,686.86	8,247.11
26 12 19 00-0165 EA 3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	246,030.83	8,497.02
26 12 19 00-0166 Silicone Filled Distribution Transformers, 3 Phase (26 12 19 00-0110) Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0167 EA 225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	138,991.05	2,536.17
26 12 19 00-0168 EA 300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	148,677.24	3,099.77
26 12 19 00-0169 EA 500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	174,389.34	3,487.59
26 12 19 00-0170 EA 750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	212,132.65	3,671.03
26 12 19 00-0171 EA 1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	252,897.57	5,363.91
26 12 19 00-0172 EA 1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	322,745.40	6,068.40
26 12 19 00-0173 EA 2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	393,162.90	6,975.17

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 12 19 00-0174 EA 2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	450,696.05	7,323.93

26 13 Medium-Voltage Switchgear (26 10)**26 13 16 Medium-Voltage Fusible Interrupter Switchgear** (26 13)

26 13 16 00-0001	"Switchyard", Substation Secondary Distribution Section (26 13 16) Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002	4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0003	EA 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,664.28 3,891.59	1,530.05
26 13 16 00-0004	EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	19,617.68 4,101.34	1,530.05
26 13 16 00-0005	EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	26,813.89 5,640.95	1,949.34
26 13 16 00-0006	EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	36,697.27 7,782.48	1,949.34
26 13 16 00-0007	EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	52,825.63 11,291.56	2,353.92
26 13 16 00-0008	EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	48,090.03 10,233.06	2,353.92
26 13 16 00-0009	7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0010	EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,068.46	1,765.44
	<i>For Weatherproofing, Add</i>	5,938.32	
26 13 16 00-0011	EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	34,419.14	2,206.80
	<i>For Weatherproofing, Add</i>	7,262.95	
26 13 16 00-0012	EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	48,586.71	2,648.16
	<i>For Weatherproofing, Add</i>	10,327.73	
26 13 16 00-0013	13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0014	EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,996.80	1,765.44
	<i>For Weatherproofing, Add</i>	5,683.12	
26 13 16 00-0015	EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	37,307.88	1,765.44
	<i>For Weatherproofing, Add</i>	7,909.23	
26 13 16 00-0016	EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	54,731.95	2,353.92
	<i>For Weatherproofing, Add</i>	11,694.28	
26 13 16 00-0017	EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	33,950.31	2,353.92
	<i>For Weatherproofing, Add</i>	7,142.13	
26 13 16 00-0018	EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	49,575.20	2,942.40
	<i>For Weatherproofing, Add</i>	10,537.43	
26 13 16 00-0019	EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	69,642.92	2,942.40
	<i>For Weatherproofing, Add</i>	14,907.85	
26 13 16 00-0020	EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	47,663.04	2,942.40
	<i>For Weatherproofing, Add</i>	10,104.45	
26 13 16 00-0021	EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	66,364.59	2,942.40
	<i>For Weatherproofing, Add</i>	14,176.41	
26 13 16 00-0022	EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	86,243.88	2,942.40
	<i>For Weatherproofing, Add</i>	18,509.76	
26 13 16 00-0023	4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0024	EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,278.02	963.64
	<i>For Weatherproofing, Add</i>	1,686.01	
26 13 16 00-0025	EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,862.71	963.64
	<i>For Weatherproofing, Add</i>	2,254.65	
26 13 16 00-0026	EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,699.85	1,279.94
	<i>For Weatherproofing, Add</i>	2,395.18	
26 13 16 00-0027	EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,498.36	1,581.54
	<i>For Weatherproofing, Add</i>	2,968.17	
26 13 16 00-0028	EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	19,729.57	1,581.54
	<i>For Weatherproofing, Add</i>	4,119.03	
26 13 16 00-0029	7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		



Electrical		26	26
Medium-Voltage Electrical Distribution		26 10	
Medium-Voltage Switchgear		26 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0030 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	10,516.11 2,159.61	1,471.21
26 13 16 00-0031 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	13,769.99 2,832.11	1,471.21
26 13 16 00-0032 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	21,159.96 4,415.14	1,471.21
26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0034 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	10,806.35 2,203.14	1,250.52
26 13 16 00-0035 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	11,554.39 2,367.71	1,250.52
26 13 16 00-0036 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	16,636.84 3,442.84	1,544.76
26 13 16 00-0037 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	14,666.75 2,966.62	1,853.71
26 13 16 00-0038 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	18,191.83 3,742.14	1,853.71
26 13 16 00-0039 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	20,905.52 4,295.43	2,162.67
26 13 16 00-0040 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	19,430.21 3,927.90	2,471.61
26 13 16 00-0041 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	21,845.70 4,459.31	2,471.61
26 13 16 00-0042 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section For Weatherproofing, Add	27,006.28 5,551.29	2,765.85
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)		
26 13 16 00-0044 EA 1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,146.76 559.39	932.30
26 13 16 00-0045 EA 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6,478.26 620.76	1,034.55
26 13 16 00-0046 EA 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,491.73 746.80	1,244.64
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section	5,003.87	1,871.81
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,763.02	122.71
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,046.18	122.71
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	16,597.44	122.71
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	13,035.48	122.71
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	14,234.01	122.71
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	19,389.30	122.71
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,042.70	122.71
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,444.02	122.71
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	5,251.03	122.71
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,347.49 73.63	122.71
26 13 16 00-0058 EA AC Ammeter With Switch For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,286.67 73.63	122.71
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,286.67 73.63	122.71
26 13 16 00-0060 EA Indicating Wattmeter..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,920.10 73.63	122.71
26 13 16 00-0061 EA Indicating Varmeter..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,271.53 73.63	122.71
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,412.49 73.63	122.71
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,338.51 73.63	122.71
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87	6,392.07	122.71
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary	860.41	122.71
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses	4,253.16	122.71
26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)		
26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)		
26 13 19 00-0002 EA 1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	68,727.84	1,839.00
26 13 19 00-0003 EA 1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	75,860.43	2,324.50
26 13 19 00-0004 EA 1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	86,111.43	2,324.50
26 13 19 00-0005 EA 2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	78,841.89	1,839.00
26 13 19 00-0006 EA 2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	88,766.50	1,839.00
26 13 19 00-0007 EA 2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	101,163.09	2,162.67
26 13 19 00-0008 EA 3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	104,304.26	2,471.61
26 13 19 00-0009 EA 3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	114,279.28	2,471.61
26 13 19 00-0010 EA 3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	124,845.21	2,780.57
26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)		

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0001 Substation Secondary Distribution Section ^(26 13 29) Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker ^(26 13 29 00-0001) Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003 EA 800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	21,853.10	1,183.35
26 13 29 00-0004 EA 1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	34,375.29	1,789.11
26 13 29 00-0005 EA 2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	46,530.36	2,197.65
26 13 29 00-0006 EA 3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	77,665.35	2,549.84
26 13 29 00-0007 EA 4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	99,930.94	2,902.01
26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker ^(26 13 29 00-0001)		
26 13 29 00-0009 EA 800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,667.13	359.23
26 13 29 00-0010 EA 1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,170.68	359.23
26 13 29 00-0011 EA 2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,615.88	528.28
26 13 29 00-0012 EA 3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	20,953.81	528.28
26 13 29 00-0013 EA 4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	35,048.74	774.81
26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering ^(26 13 29 00-0001) Note: No provisions for future breaker.		
26 13 29 00-0015 EA 600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	9,559.47	401.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	229.58	
26 13 29 00-0016 EA 3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	12,028.88	401.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	269.50	
26 13 29 00-0017 EA 4,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	15,565.46	619.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	387.41	
26 13 29 00-0018 Accessories For Substation Secondary Distribution ^(26 13 29 00-0001)		
26 13 29 00-0019 EA Short Time Delay Accessories, Secondary Distribution Section.....	5,383.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 13 29 00-0020 EA Key Interlock Accessories, Secondary Distribution Section.....	4,149.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 13 29 00-0021 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	13,534.00	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 13 29 00-0022 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	13,534.00	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 13 29 00-0023 EA Wattmeter - Complete Accessories, Secondary Distribution Section.....	17,958.35	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 13 29 00-0024 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	23,314.15	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 13 29 00-0025 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	9,974.58	139.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.94	
26 13 29 00-0026 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	28,005.73	2,072.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,243.58	
26 13 29 00-0027 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	6,035.89	122.71
26 13 29 00-0028 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	7,119.98	122.71
26 13 29 00-0029 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	3,809.67	61.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.81	
26 13 29 00-0030 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	29,329.72	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 13 29 00-0031 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	3,623.38	61.36
26 18 Medium-Voltage Circuit Protection Devices ^(26 10)		
26 18 36 Medium-Voltage Enclosed Fuses ^(26 18)		
26 18 36 00-0001 Sectionalizing Switch ^(26 18 36)		
26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units ^(26 18 36 00-0001) Note: 15 KV - 25 KV.		
26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders ^(26 18 36 00-0002) Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	89,070.01	1,025.86
26 18 36 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	100,220.12	1,025.86
26 19 High-Voltage Circuit Protection ^(26 10)		
26 19 18 Protection Devices ^(26 19)		
26 19 18 00-0001 Primary Fuse Cutouts ^(26 19 18) Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts ^(26 19 18 00-0001) Note: Includes the fuse and cutout switch.		
26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting ^(26 19 18 00-0002)		
26 19 18 00-0004 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	821.22	367.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.54	



Electrical		26	26
Medium-Voltage Electrical Distribution		26 10	
High-Voltage Circuit Protection		26 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0005 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	968.34 220.68	367.80
26 19 18 00-0006 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,114.97 264.67	367.80
26 19 18 00-0007 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,137.18 264.83	367.80
26 19 18 00-0008 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,137.18 264.83	367.80
26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)		
26 19 18 00-0010 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	821.22 176.54	294.24
26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)		
26 19 18 00-0012 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	850.57 176.54	294.24
26 19 18 00-0013 Fuseholders (26 19 18 00-0002) Note: Including current limiting fuse.		
26 19 18 00-0014 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	697.51 176.54	367.80
26 19 18 00-0015 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	844.63 220.68	367.80
26 19 18 00-0016 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	991.26 264.67	367.80
26 19 18 00-0017 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	707.67 176.54	367.80
26 19 18 00-0018 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	854.79 220.68	367.80
26 19 18 00-0019 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	697.51 176.54	294.24
26 19 18 00-0020 Accessories (26 19 18 00-0002)		
26 19 18 00-0021 EA Hot Line Clamp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.85 22.07	33.11
26 19 18 00-0022 EA Stirrup.....	113.16	33.11
26 19 18 00-0023 Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001) Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024 8.3 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)		
26 19 18 00-0025 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,049.76 176.54	367.80
26 19 18 00-0026 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,196.88 220.68	367.80
26 19 18 00-0027 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,343.51 264.67	367.80
26 19 18 00-0028 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,387.02 264.83	367.80
26 19 18 00-0029 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,387.02 264.83	367.80
26 19 18 00-0030 17.1 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)		
26 19 18 00-0031 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,049.76 176.54	294.24
26 19 18 00-0032 17.1 KV-125 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)		
26 19 18 00-0033 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,049.76 176.54	294.24
26 19 18 00-0034 Fuseholders (26 19 18 00-0023) Note: Includes current limiting fuses.		
26 19 18 00-0035 EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	707.99 176.54	367.80
26 19 18 00-0036 EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	855.11 220.68	367.80
26 19 18 00-0037 EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,001.74 264.67	367.80
26 19 18 00-0038 EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	707.99 176.54	367.80
26 19 18 00-0039 Pole Mounted Capacitors (26 19 18 00-0023)		
26 19 18 00-0040 EA Capacitors - Pole Mounted 6 KVAR.....	1,895.81	296.59

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 19 High-Voltage Circuit Protection**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 19 80 Transmission and Distribution Accessories (26 19)**26 19 80 60 Structure Assemblies (26 19 80)****26 19 80 60-0001 Pole Structure Assemblies (26 19 80 60)****26 19 80 60-0002 5 KV Pole Structure Assemblies (26 19 80 60-0001)**

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	601.30	279.53
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,004.79	470.79
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,147.11	367.80
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	655.69	191.25
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	831.55	264.82
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,453.43	529.63
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,140.67	397.22
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,083.60	794.45
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,368.20	897.43
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,294.21	441.36
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,097.05	470.79
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,059.42	956.28
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,572.33	573.77
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	980.89	411.94
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,843.00	838.59
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,451.05	426.65

26 19 80 60-0019 15 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	630.65	279.53
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,046.72	470.79
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,289.69	367.80
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	706.01	191.25
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	902.84	250.10
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,596.01	529.63
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,245.51	397.22
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,297.47	794.45
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,657.55	897.43
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,436.79	441.36
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,151.56	470.79
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,113.93	956.28
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,681.36	573.77
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,035.40	397.22
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,897.51	838.59
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,560.08	514.92

26 19 80 60-0036 25 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,935.81	441.36
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,186.53	220.68
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,720.27	338.38
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,256.30	691.46
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,155.24	514.92
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,473.19	1,015.13
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,307.56	1,147.53
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,323.40	669.40
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,021.55	669.40

26 19 80 60-0046 50 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,600.62	603.19
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,415.77	308.96
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,790.14	485.49
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,362.22	985.70
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,578.28	735.60
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,951.07	1,471.21
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,860.89	1,633.04
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,989.39	794.45
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,008.97	919.50
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,900.79	868.01

26 19 80 60-0057 Overhead To Underground Conversion Structures (26 19 80 60)

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.

26 19 80 60-0058 5 KV Structures (26 19 80 60-0057)

Note: Excludes pole.

26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,188.53	2,942.40
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,188.53	2,942.40



Electrical		26	26
Medium-Voltage Electrical Distribution		26 10	
High-Voltage Circuit Protection		26 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0061 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,188.53	2,942.40
26 19 80 60-0062 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,188.53	2,942.40
26 19 80 60-0063 15 KV Structures (26 19 80 60-0057) Note: Excludes pole.		
26 19 80 60-0064 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,385.84	2,942.40
26 19 80 60-0065 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,385.84	2,942.40
26 19 80 60-0066 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,385.84	2,942.40
26 19 80 60-0067 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,385.84	2,942.40
26 19 80 60-0068 25 KV Structures (26 19 80 60-0057) Note: Excludes pole.		
26 19 80 60-0069 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,601.10	2,942.40
26 19 80 60-0070 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,601.10	2,942.40
26 19 80 60-0071 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,601.10	2,942.40
26 19 80 60-0072 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,601.10	2,942.40
26 19 80 60-0073 Transformer Stations (26 19 80 60) Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074 5 KV Station (26 19 80 60-0073)		
26 19 80 60-0075 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	9,987.88	3,922.22
26 19 80 60-0076 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	11,194.78	4,413.61
26 19 80 60-0077 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	12,401.69	4,903.51
26 19 80 60-0078 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	12,401.69	4,903.51
26 19 80 60-0079 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	9,987.88	3,922.22
26 19 80 60-0080 15 KV Stations (26 19 80 60-0073)		
26 19 80 60-0081 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	10,292.84	3,921.11
26 19 80 60-0082 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	11,499.74	4,413.61
26 19 80 60-0083 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	12,706.65	4,903.51
26 19 80 60-0084 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	12,706.65	4,903.51
26 19 80 60-0085 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	10,292.84	3,922.22
26 19 80 60-0086 25 KV Stations (26 19 80 60-0073)		
26 19 80 60-0087 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	10,625.52	3,922.22
26 19 80 60-0088 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	11,832.42	4,413.61
26 19 80 60-0089 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	13,039.33	4,903.51
26 19 80 60-0090 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	13,039.33	4,903.51
26 19 80 60-0091 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	10,625.52	3,922.22

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001	Service Drop Cable And Weatherheads (26 21 13)			
26 21 13 00-0002	600 Volt Insulated Stranded Conductors (26 21 13 00-0001)			
26 21 13 00-0003	Aluminum Duplex ACSR Neutral (26 21 13 00-0002)			
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	9.55	3.51
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	11.58	4.14
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	13.82	4.67
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	18.68	5.88
26 21 13 00-0008	Aluminum Triplex ACSR Neutral (26 21 13 00-0002)			
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	11.77	4.14
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	13.58	4.67
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	17.27	5.88
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	21.82	7.18
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	28.36	9.49
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	36.43	11.77
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	49.96	14.01
26 21 13 00-0016	Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)			
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	13.62	4.67
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	17.26	5.88
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	22.33	7.55

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0020 LF 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	29.47	9.49
26 21 13 00-0021 LF 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	32.86	10.51
26 21 13 00-0022 LF 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	38.28	11.77
26 21 13 00-0023 LF 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	44.91	14.01
26 21 13 00-0024 LF 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	57.63	15.48
26 21 13 00-0025 Weatherproof Conduit Hubs (26 21 13 00-0002)		
26 21 13 00-0026 EA 1/2" Weatherproof Conduit Hubs	62.30	23.64
26 21 13 00-0027 EA 3/4" Weatherproof Conduit Hubs	71.07	26.86
26 21 13 00-0028 EA 1" Weatherproof Conduit Hubs	82.57	30.08
26 21 13 00-0029 EA 1-1/4" Weatherproof Conduit Hubs	115.21	40.29
26 21 13 00-0030 EA 1-1/2" Weatherproof Conduit Hubs	126.71	43.52
26 21 13 00-0031 EA 2" Weatherproof Conduit Hubs	163.84	50.50
26 21 13 00-0032 EA 2-1/2" Weatherproof Conduit Hubs	215.37	56.94
26 21 13 00-0033 EA 3" Weatherproof Conduit Hubs	278.28	67.15
26 21 13 00-0034 EA 4" Weatherproof Conduit Hubs	492.54	134.31
26 21 13 00-0035 Galvanized Threaded Service Entrance Weatherhead Cap (26 21 13 00-0002)		
26 21 13 00-0036 EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	70.11	23.64
26 21 13 00-0037 EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	80.42	26.86
26 21 13 00-0038 EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	92.16	30.08
26 21 13 00-0039 EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	123.85	40.29
26 21 13 00-0040 EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	140.29	43.52
26 21 13 00-0041 EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	185.10	50.50
26 21 13 00-0042 EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	314.59	56.94
26 21 13 00-0043 EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	357.87	67.15
26 21 13 00-0044 EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	585.67	134.31
26 21 13 00-0045 Aluminum Clamp-On Service Entrance Weatherhead Cap (26 21 13 00-0002)		
26 21 13 00-0046 EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	67.70	23.64
26 21 13 00-0047 EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	76.38	26.86
26 21 13 00-0048 EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	86.69	29.95
26 21 13 00-0049 EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	115.21	40.29
26 21 13 00-0050 EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	128.63	43.52
26 21 13 00-0051 EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	151.75	50.50
26 21 13 00-0052 EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	252.04	56.94
26 21 13 00-0053 EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	326.41	67.15
26 21 13 00-0054 EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	458.81	100.73
26 21 13 00-0055 EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	548.23	134.31
26 21 13 00-0056 Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap (26 21 13 00-0002)		
26 21 13 00-0057 EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	64.38	23.64
26 21 13 00-0058 EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	73.62	26.86
26 21 13 00-0059 EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	83.54	29.95
26 21 13 00-0060 EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	111.33	40.29
26 21 13 00-0061 EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	121.20	43.52
26 21 13 00-0062 EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	148.18	50.50
26 21 13 00-0063 EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	243.31	56.94
26 21 13 00-0064 EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	273.21	67.15
26 21 13 00-0065 EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	467.08	100.73
26 21 13 00-0066 EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	646.09	134.31
26 21 16 Low-Voltage Underground Electrical Service Entrance (26 21)		
26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial (26 21 16)		
Note: Excludes excavation and backfill.		
26 21 16 00-0002 MLF #6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,956.86	1,307.75
26 21 16 00-0003 MLF #4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,704.59	1,384.69
26 21 16 00-0004 MLF #2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,788.28	1,471.21
26 21 16 00-0005 MLF 1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,121.07	1,471.21
26 21 16 00-0006 MLF 2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	9,058.68	1,569.33
26 21 16 00-0007 MLF 3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	10,777.10	1,810.75
26 21 16 00-0008 MLF 4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	13,173.32	2,353.92
26 22 Low-Voltage Transformers (26 20)		
26 22 13 Low-Voltage Distribution Transformers (26 22)		
26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers (26 22 13)		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Transformers		26 22	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0002	480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.		
26 22 13 00-0003	EA 1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	1,800.38	344.49
26 22 13 00-0004	EA 3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	2,518.76	413.39
26 22 13 00-0005	EA 5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	3,280.92	431.31
26 22 13 00-0006	EA 7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	4,050.02	447.84
26 22 13 00-0007	EA 10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	5,908.91	482.29
26 22 13 00-0008	EA 15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	7,103.10 303.48 455.22	516.74
26 22 13 00-0009	EA 25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	7,801.71 334.97 502.45	551.18
26 22 13 00-0010	EA 37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	7,485.30 312.26 468.38	620.09
26 22 13 00-0011	EA 50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	8,977.13 379.96 569.94	688.98
26 22 13 00-0012	EA 75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	11,954.32 515.04 772.56	826.78
26 22 13 00-0013	EA 100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	15,251.65 666.13 999.19	964.58
26 22 13 00-0014	EA 167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	24,578.22 1,104.89 1,657.34	1,240.17
26 22 13 00-0015	EA 250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	44,953.35 2,096.09 3,144.14	1,515.76
26 22 13 00-0016	EA 333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	71,079.56 3,381.73 5,072.60	1,722.46
26 22 13 00-0017	240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018	EA 3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	2,001.52	413.39
26 22 13 00-0019	EA 5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	2,452.10	430.62
26 22 13 00-0020	EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	3,123.54	447.84
26 22 13 00-0021	EA 10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	3,730.25	482.29
26 22 13 00-0022	240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA 15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	7,406.58	516.74
26 22 13 00-0024	EA 25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	8,136.68	551.18
26 22 13 00-0025	208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0026	EA 0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	1,475.26	310.04
26 22 13 00-0027	EA 1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	1,683.38	344.49
26 22 13 00-0028	EA 2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	2,244.38	378.94
26 22 13 00-0029	EA 3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	2,620.94	413.39
26 22 13 00-0030	EA 5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	2,970.95	431.31
26 22 13 00-0031	EA 7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	3,442.39	447.84
26 22 13 00-0032	EA 10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	4,519.09	482.29
26 22 13 00-0033	EA 15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	6,312.53	516.74
26 22 13 00-0034	1 Phase Mounting Brackets (26 22 13 00-0001)		
26 22 13 00-0035	EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	673.41	245.42
26 22 13 00-0036	1 Phase Weathershields (26 22 13 00-0001) Note: Use with types DT-3 and DS-3.		
26 22 13 00-0037	EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	218.65	
26 22 13 00-0038	EA 50 KVA 1 Phase Weathershields, Set Of 2.....	278.70	
26 22 13 00-0039	EA 75 KVA 1 Phase Weathershields, Set Of 2.....	332.34	
26 22 13 00-0040	EA 100 KVA 1 Phase Weathershields, Set Of 2.....	396.48	
26 22 13 00-0041	EA 167 KVA 1 Phase Weathershields, Set Of 2.....	536.41	
26 22 13 00-0042	EA 250 KVA 1 Phase Weathershields, Set Of 2.....	641.36	
26 22 13 00-0043	EA 333 KVA 1 Phase Weathershields, Set Of 2.....	787.13	
26 22 13 00-0044	Packaged Power Supply (26 22 13 00-0001) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0045	EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	4,075.68	430.62
26 22 13 00-0046	EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	4,654.30	447.84

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0047 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	5,047.32	482.29
26 22 13 00-0048 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	6,332.41	516.74
26 22 13 00-0049 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	9,006.19	551.18
26 22 13 00-0050 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)		
26 22 13 00-0051 EA 0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	3,039.78	310.04
26 22 13 00-0052 EA 1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	4,449.70	344.49
26 22 13 00-0053 EA 2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	5,170.56	413.39
26 22 13 00-0054 EA 5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	5,758.91	430.62
26 22 13 00-0055 EA 7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	6,551.34	447.84
26 22 13 00-0056 EA 10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	8,602.63	482.29
26 22 13 00-0057 EA 15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	11,341.92	516.74
26 22 13 00-0058 600 Volt, 208/120 Volt, Dry General Purpose Transformer (26 22 13 00-0001)		
26 22 13 00-0059 EA 15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	14,154.26	516.74
26 22 13 00-0060 EA 25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	14,658.06	551.18
26 22 13 00-0061 EA 30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	15,208.11	585.64
26 22 13 00-0062 EA 37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	20,309.45	620.09
26 22 13 00-0063 EA 45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	21,088.77	654.53
26 22 13 00-0064 EA 50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	28,412.44	688.98
26 22 13 00-0065 3 Phase General Purpose "Dry Type" Transformer (26 22 13)		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0066 Packaged Power Supply (26 22 13 00-0065)		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0067 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers.....	18,370.17	1,481.32
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		770.38
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		1,155.57
26 22 13 00-0068 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers.....	22,262.59	1,584.67
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		954.66
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		1,432.00
26 22 13 00-0069 EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers.....	26,872.07	1,722.46
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		1,171.36
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		1,757.04
26 22 13 00-0070 Drive Isolation Transformers (26 22 13 00-0065)		
Note: Only use in step-up applications.		
26 22 13 00-0071 230 Volt Drive Isolation Transformers (26 22 13 00-0070)		
26 22 13 00-0072 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,542.70	551.18
26 22 13 00-0073 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,377.23	585.64
26 22 13 00-0074 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,799.26	620.09
26 22 13 00-0075 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,161.14	654.53
26 22 13 00-0076 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,661.48	723.43
26 22 13 00-0077 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,221.23	792.33
26 22 13 00-0078 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,496.62	861.23
26 22 13 00-0079 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	22,711.97	964.58
26 22 13 00-0080 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	24,612.44	999.03
26 22 13 00-0081 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	28,499.84	1,033.47
26 22 13 00-0082 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	36,022.12	1,067.92
26 22 13 00-0083 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	40,360.58	1,309.06
26 22 13 00-0084 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	45,079.63	1,377.97
26 22 13 00-0085 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	51,738.55	1,446.86
26 22 13 00-0086 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	63,142.56	1,722.46
26 22 13 00-0087 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	83,839.22	2,032.50
26 22 13 00-0088 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	88,424.25	2,239.20
26 22 13 00-0089 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	107,867.21	2,480.34
26 22 13 00-0090 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	133,363.44	2,755.93
26 22 13 00-0091 208V Drive Isolation Transformers (26 22 13 00-0070)		
26 22 13 00-0092 EA 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,023.21	551.18
26 22 13 00-0093 EA 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,947.62	585.64
26 22 13 00-0094 EA 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,387.62	620.09
26 22 13 00-0095 EA 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,866.21	654.53
26 22 13 00-0096 EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,385.01	723.43
26 22 13 00-0097 EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,948.21	757.88
26 22 13 00-0098 EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,470.22	895.68
26 22 13 00-0099 EA 51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,769.82	964.58
26 22 13 00-0100 EA 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	25,763.51	999.03
26 22 13 00-0101 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	29,845.28	1,033.47
26 22 13 00-0102 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	37,746.93	1,067.92
26 22 13 00-0103 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	42,281.67	1,309.06
26 22 13 00-0104 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	47,233.90	1,377.97



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Transformers		26 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0105	EA		175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	54,224.75	1,446.86
26 22 13 00-0106	EA		220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	66,181.17	1,722.46
26 22 13 00-0107			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps (26 22 13 00-0065)		
26 22 13 00-0108	EA		9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	7,288.03	568.41
26 22 13 00-0109	EA		15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	9,680.38	620.09
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	422.01	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	633.02	
26 22 13 00-0110			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0065)		
26 22 13 00-0111	EA		30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	10,787.11	757.88
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	463.57	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	695.35	
			For K4 Factor Rating, Add	6,489.95	
			For K13 Factor Rating, Add	9,271.35	
			For K20 Factor Rating, Add	12,052.76	
26 22 13 00-0112	EA		37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	13,113.46	826.78
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	573.00	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	859.49	
			For K4 Factor Rating, Add	8,021.93	
			For K13 Factor Rating, Add	11,459.90	
			For K20 Factor Rating, Add	14,897.87	
26 22 13 00-0113	EA		45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	13,678.18	895.68
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	594.34	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	891.51	
			For K4 Factor Rating, Add	8,320.78	
			For K13 Factor Rating, Add	11,886.83	
			For K20 Factor Rating, Add	15,452.88	
26 22 13 00-0114	EA		50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	18,175.81	964.58
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	812.33	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,218.50	
			For K4 Factor Rating, Add	11,372.66	
			For K13 Factor Rating, Add	16,246.66	
			For K20 Factor Rating, Add	21,120.66	
26 22 13 00-0115	EA		75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	17,840.01	1,033.47
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	788.65	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,182.98	
			For K4 Factor Rating, Add	11,041.14	
			For K13 Factor Rating, Add	15,773.06	
			For K20 Factor Rating, Add	20,504.98	
26 22 13 00-0116	EA		112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	22,253.70	1,240.17
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	988.67	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,483.00	
			For K4 Factor Rating, Add	13,841.35	
			For K13 Factor Rating, Add	19,773.36	
			For K20 Factor Rating, Add	25,705.37	
26 22 13 00-0117	EA		150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	29,126.75	1,377.97
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,318.54	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,977.81	
			For K4 Factor Rating, Add	18,459.57	
			For K13 Factor Rating, Add	26,370.82	
			For K20 Factor Rating, Add	34,282.07	
26 22 13 00-0118	EA		225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	39,881.12	1,722.46
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,821.81	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,732.72	
			For K4 Factor Rating, Add	25,505.35	
			For K13 Factor Rating, Add	36,436.21	
			For K20 Factor Rating, Add	47,367.07	
26 22 13 00-0119	EA		300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	48,575.43	2,135.85
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,215.19	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,322.78	
			For K4 Factor Rating, Add	31,012.61	
			For K13 Factor Rating, Add	44,303.73	
			For K20 Factor Rating, Add	57,594.85	
26 22 13 00-0120	EA		500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	70,111.90	2,618.14
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	3,243.78	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	4,865.67	
			For K4 Factor Rating, Add	45,412.94	
			For K13 Factor Rating, Add	64,875.63	
			For K20 Factor Rating, Add	84,338.32	
26 22 13 00-0121	EA		750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	164,585.16	3,145.98
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	7,912.33	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	11,868.49	
			For K4 Factor Rating, Add	110,772.56	
			For K13 Factor Rating, Add	158,246.52	
			For K20 Factor Rating, Add	205,720.48	
26 22 13 00-0122	EA		1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	217,574.53	3,444.91
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	10,534.23	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	15,801.35	
			For K4 Factor Rating, Add	147,479.28	
			For K13 Factor Rating, Add	210,684.69	
			For K20 Factor Rating, Add	273,890.10	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0123	480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps (26 22 13 00-0065)			
26 22 13 00-0124	EA 6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,862.14	533.96	
	For K4 Factor Rating, Add	3,355.95		
	For K13 Factor Rating, Add	4,794.22		
	For K20 Factor Rating, Add	6,232.49		
26 22 13 00-0125	EA 9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,288.03	568.41	
	For K4 Factor Rating, Add	4,305.85		
	For K13 Factor Rating, Add	6,151.21		
	For K20 Factor Rating, Add	7,996.57		
26 22 13 00-0126	EA 15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	9,680.38	620.09	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	422.01		
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	633.02		
	For K4 Factor Rating, Add	5,908.15		
	For K13 Factor Rating, Add	8,440.21		
	For K20 Factor Rating, Add	10,972.27		
26 22 13 00-0127	480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps (26 22 13 00-0065)			
26 22 13 00-0128	EA 30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,164.16	757.88	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	882.42		
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,323.63		
	For K4 Factor Rating, Add	12,353.88		
	For K13 Factor Rating, Add	17,648.40		
	For K20 Factor Rating, Add	22,942.92		
26 22 13 00-0129	EA 45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	21,430.50	895.68	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	981.96		
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,472.94		
	For K4 Factor Rating, Add	13,747.41		
	For K13 Factor Rating, Add	19,639.15		
	For K20 Factor Rating, Add	25,530.90		
26 22 13 00-0130	EA 75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	31,935.76	1,033.47	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,493.44		
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,240.16		
	For K4 Factor Rating, Add	20,908.17		
	For K13 Factor Rating, Add	29,868.81		
	For K20 Factor Rating, Add	38,829.45		
26 22 13 00-0131	EA 112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	40,155.60	1,240.17	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,883.76		
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,825.64		
	For K4 Factor Rating, Add	26,372.68		
	For K13 Factor Rating, Add	37,675.26		
	For K20 Factor Rating, Add	48,977.84		
26 22 13 00-0132	EA 150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	48,491.14	1,377.97	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,286.76		
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,430.14		
	For K4 Factor Rating, Add	32,014.65		
	For K13 Factor Rating, Add	45,735.21		
	For K20 Factor Rating, Add	59,455.77		
26 22 13 00-0133	EA 225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	62,205.79	1,722.46	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,938.04		
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	4,407.07		
	For K4 Factor Rating, Add	41,132.62		
	For K13 Factor Rating, Add	58,760.88		
	For K20 Factor Rating, Add	76,369.14		
26 22 13 00-0134	EA 300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	75,588.51	2,135.85	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	3,565.84		
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	5,348.76		
	For K4 Factor Rating, Add	49,921.77		
	For K13 Factor Rating, Add	71,316.81		
	For K20 Factor Rating, Add	92,711.85		
26 22 13 00-0135	EA 500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	122,370.31	2,618.14	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	5,856.70		
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	8,785.05		
	For K4 Factor Rating, Add	81,993.83		
	For K13 Factor Rating, Add	117,134.04		
	For K20 Factor Rating, Add	152,274.25		
26 22 13 00-0136	3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0065)			
26 22 13 00-0137	3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0136) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.			
26 22 13 00-0138	EA 15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	9,001.88	620.09	
26 22 13 00-0139	EA 30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	13,810.73	757.88	
26 22 13 00-0140	EA 45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	20,513.41	895.68	
26 22 13 00-0141	EA 75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	26,336.29	1,033.47	
26 22 13 00-0142	EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	39,917.00	1,240.17	



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Transformers	26 22	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	48,699.91	1,377.97
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	56,501.93	1,722.46
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	90,418.53	2,135.85
26 22 13 00-0146		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0136) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0147	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	10,560.19	620.09
26 22 13 00-0148	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	16,271.22	757.88
26 22 13 00-0149	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	24,256.33	895.68
26 22 13 00-0150	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	31,182.70	1,033.47
26 22 13 00-0151	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	47,402.85	1,240.17
26 22 13 00-0152	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	57,893.18	1,377.97
26 22 13 00-0153	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	67,111.84	1,722.46
26 22 13 00-0154	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	107,649.39	2,135.85
26 22 13 00-0155		NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0065)		
26 22 13 00-0156		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0155) Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0157		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0156)		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,650.67	615.52
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,453.82	752.30
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,361.81	889.08
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,129.59	1,025.86
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,479.95	1,231.03
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,725.38	1,367.82
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,503.04	1,709.77
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	21,705.33	2,120.11
26 22 13 00-0166		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0156)		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,378.67	615.52
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,335.65	752.30
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,437.15	889.08
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,653.19	1,025.86
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,052.55	1,231.03
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,422.31	1,367.82
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,128.33	1,709.77
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	26,944.86	2,120.11
26 22 13 00-0175		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0156)		
26 22 13 00-0176	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,103.73	615.52
26 22 13 00-0177	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,219.93	752.30
26 22 13 00-0178	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,512.50	889.08

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0179 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,174.35	1,025.86
26 22 13 00-0180 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,036.66	1,231.03
26 22 13 00-0181 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	17,119.23	1,367.82
26 22 13 00-0182 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,753.63	1,709.77
26 22 13 00-0183 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	32,184.39	2,120.11
26 22 13 00-0184 Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0155) Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0185 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0184)		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,861.22	615.52
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,925.99	752.30
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,152.41	889.08
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,667.29	1,025.86
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,066.05	1,231.03
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	16,313.34	1,367.82
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	21,668.49	1,709.77
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	30,619.14	2,120.11
26 22 13 00-0194 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0184)		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,586.28	615.52
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,810.27	752.30
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,227.76	889.08
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,190.91	1,025.86
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	16,926.50	1,231.03
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	21,276.07	1,367.82
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,145.63	1,709.77
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	40,292.31	2,120.11
26 22 13 00-0203 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0184)		
26 22 13 00-0204 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,313.79	615.52
26 22 13 00-0205 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,694.54	752.30
26 22 13 00-0206 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,303.09	889.08
26 22 13 00-0207 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	12,712.05	1,025.86
26 22 13 00-0208 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	20,027.61	1,231.03
26 22 13 00-0209 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	25,775.85	1,367.82
26 22 13 00-0210 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	32,620.31	1,709.77
26 22 13 00-0211 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	48,018.11	2,120.11
26 22 13 00-0212 3 Phase Weathershields (26 22 13 00-0065) Note: Use with type DT-3 and DS-3.		
26 22 13 00-0213 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,050.40	
26 22 13 00-0214 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,481.96	
26 22 13 00-0215 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,481.96	



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Low-Voltage Transformers	26 22

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 22 13 00-0216			Three Phase Mounting Brackets (26 22 13 00-0065)		
26 22 13 00-0217	EA		3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	1,585.39	245.42

26 22 13 00-0218			Foam Core Poly Transformer Pads (26 22 13)		
26 22 13 00-0219	EA		Single Phase Foam Core Poly Pads.....	528.12	45.02
Note: Excludes site prep.					

26 24 Switchboards and Panelboards (26 20)

26 24 13 Switchboards (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001			Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002			Incoming Service Section Main Device Only (26 24 13 00-0001)		
Note: Copper bus, non-metering type, with fuses.					
26 24 13 00-0003	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,526.29	1,174.79
26 24 13 00-0004	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,001.27	1,242.61
26 24 13 00-0005	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,983.37	1,409.56
26 24 13 00-0006	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,598.63	1,511.09
26 24 13 00-0007	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	13,669.01	1,611.15
26 24 13 00-0008	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	15,228.55	1,713.08
26 24 13 00-0009	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,441.01	1,174.79
26 24 13 00-0010	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,929.06	1,242.61
26 24 13 00-0011	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,606.87	1,410.76
26 24 13 00-0012	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,075.77	1,511.09
26 24 13 00-0013	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,669.01	1,612.76
26 24 13 00-0014	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	15,228.55	1,713.08
26 24 13 00-0015	EA		2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	18,259.08	1,790.98
26 24 13 00-0016	EA		3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	20,684.03	1,918.71
26 24 13 00-0017	EA		4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	24,383.10	2,068.32
26 24 13 00-0018	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,111.56	1,040.88
26 24 13 00-0019	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,429.86	1,108.16
26 24 13 00-0020	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,929.69	1,275.65
26 24 13 00-0021	EA		1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,230.80	1,329.24
26 24 13 00-0022	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,498.15	1,377.18
26 24 13 00-0023	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,923.20	1,476.57
26 24 13 00-0024	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,321.77	1,577.84

26 24 13 00-0025			Branch Breaker Units (26 24 13 00-0001)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.					
26 24 13 00-0026	EA		15 To 60 Amperes, 240 Volt, MC Branch Breaker.....	378.79	40.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				24.58	
26 24 13 00-0027	EA		70 To 100 Amperes, 240 Volt, MC Branch Breaker.....	555.69	64.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				38.68	
26 24 13 00-0028	EA		125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,483.73	117.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				70.51	
26 24 13 00-0029	EA		100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,625.50	153.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				91.87	
26 24 13 00-0030	EA		300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,692.92	376.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				225.60	
26 24 13 00-0031	EA		400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	7,477.92	376.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				225.60	
26 24 13 00-0032	EA		600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	12,133.40	670.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				402.12	

26 24 13 00-0033			Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0034			Incoming Service Section Main Device Only (26 24 13 00-0033)		
Note: Copper bus, non-metering type, with fuses.					
26 24 13 00-0035	EA		400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,399.52	1,524.39
26 24 13 00-0036	EA		600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	7,136.14	1,524.39
26 24 13 00-0037	EA		800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	10,474.85	1,981.03
26 24 13 00-0038	EA		1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	11,852.58	1,981.03

26 24 13 00-0039			Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)		
26 24 13 00-0040			Incoming Service Section Main Device Only (26 24 13 00-0039)		
Note: Copper bus, non-metering type, with fuses.					
26 24 13 00-0041	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	4,070.65	1,040.88
26 24 13 00-0042	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	4,524.44	1,108.16
26 24 13 00-0043	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,865.29	1,275.65
26 24 13 00-0044	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	7,457.55	1,376.11
26 24 13 00-0045	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	4,938.99	1,040.88
26 24 13 00-0046	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	6,205.46	1,108.16

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0047 EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	8,668.77	1,275.65
26 24 13 00-0048 EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	12,376.28	1,376.11
26 24 13 00-0049 EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	14,518.35	1,544.53
26 24 13 00-0050 EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,878.01	906.44
26 24 13 00-0051 EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,218.58	973.86
26 24 13 00-0052 EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,778.05	1,141.34
26 24 13 00-0053 EA 1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,061.54	1,194.93
26 24 13 00-0054 EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,335.19	1,242.61
26 24 13 00-0055 EA 1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,701.31	1,329.24
26 24 13 00-0056 EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,058.70	1,409.56
26 24 13 00-0057 EA 2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,278.78	1,745.99
26 24 13 00-0058 EA 3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	7,021.75	1,913.87
26 24 13 00-0059 EA 4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	8,232.54	2,064.97

26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061 EA 15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	205.88	35.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.35	
26 24 13 00-0062 EA 70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	327.48	59.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.46	
26 24 13 00-0063 EA 125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	981.59	82.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.56	
26 24 13 00-0064 EA 100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,800.52	106.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.66	
26 24 13 00-0065 EA 300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,426.42	258.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	155.11	
26 24 13 00-0066 EA 400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	6,274.43	258.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	155.11	
26 24 13 00-0067 EA 600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	10,357.16	493.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	296.18	

26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)

26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0070 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,527.93	1,174.79
26 24 13 00-0071 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,999.43	1,242.61
26 24 13 00-0072 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,980.99	1,409.56
26 24 13 00-0073 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,595.91	1,511.09
26 24 13 00-0074 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,662.82	1,611.15
26 24 13 00-0075 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,228.55	1,713.08
26 24 13 00-0076 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,442.65	1,174.79
26 24 13 00-0077 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,927.22	1,242.61
26 24 13 00-0078 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,606.87	1,410.76
26 24 13 00-0079 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,073.05	1,511.09
26 24 13 00-0080 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,665.91	1,612.76
26 24 13 00-0081 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	15,228.55	1,713.08
26 24 13 00-0082 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,256.11	1,040.88
26 24 13 00-0083 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,631.98	1,108.16
26 24 13 00-0084 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,232.45	1,275.65
26 24 13 00-0085 EA 1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,547.31	1,329.24
26 24 13 00-0086 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,851.08	1,377.18
26 24 13 00-0087 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,263.10	1,476.57
26 24 13 00-0088 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,680.93	1,577.84
26 24 13 00-0089 EA 2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	6,731.54	1,793.00
26 24 13 00-0090 EA 3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	7,437.88	1,918.57
26 24 13 00-0091 EA 4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	8,750.92	2,061.61

26 24 13 00-0092 Branch Breaker Units (26 24 13 00-0068)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093 EA 15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	378.79	40.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.58	
26 24 13 00-0094 EA 70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	555.69	64.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.68	
26 24 13 00-0095 EA 125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,483.73	117.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.51	
26 24 13 00-0096 EA 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,625.50	153.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.87	
26 24 13 00-0097 EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,692.92	376.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	225.60	
26 24 13 00-0098 EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	7,477.92	376.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	225.60	
26 24 13 00-0099 EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	12,133.40	670.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	402.12	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)



Electrical		26
Low-Voltage Electrical Distribution		26 20
Switchboards and Panelboards		26 24

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,883.02	1,611.15
26 24 13 00-0103 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,448.68	1,713.08
26 24 13 00-0104 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,091.78	1,912.13
26 24 13 00-0105 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,931.89	2,047.37
26 24 13 00-0106 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	7,436.01	1,611.15
26 24 13 00-0107 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,929.46	1,713.08
26 24 13 00-0108 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,246.58	1,914.27
26 24 13 00-0109 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,145.56	2,047.37
26 24 13 00-0110 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,806.76	2,183.16
26 24 13 00-0111 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	16,440.03	2,318.81
26 24 13 00-0112 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,256.11	1,040.88
26 24 13 00-0113 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,631.98	1,108.16
26 24 13 00-0114 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,232.45	1,275.65
26 24 13 00-0115 EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,547.31	1,329.24
26 24 13 00-0116 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,851.08	1,377.18
26 24 13 00-0117 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,263.10	1,476.57
26 24 13 00-0118 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,680.93	1,577.84
26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker.....	777.70	40.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		24.58
26 24 13 00-0121 EA 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker.....	898.94	64.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		38.68
26 24 13 00-0122 EA 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker.....	1,630.31	117.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		70.51
26 24 13 00-0123 EA 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker.....	2,625.50	153.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		91.87
26 24 13 00-0124 EA 300 To 600 Amperes, 480/277 Volt, MC Branch Breaker.....	6,292.30	376.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		225.60
26 24 13 00-0125 EA 400 To 800 Amperes, 480/277 Volt, MC Branch Breaker.....	6,435.17	376.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		225.60
26 24 13 00-0126 EA 600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker.....	10,335.49	670.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		402.12
26 24 13 00-0127 Fusible Branch Circuit Switch (26 24 13)		
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0129 EA 30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	810.48	105.43
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0130 EA 30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	807.70	105.43
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0131 EA 60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	807.70	105.43
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0132 EA 60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,263.84	139.01
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0133 EA 100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,263.84	139.01
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0135 EA 100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	924.61	103.42
For Electrical Interlock Kit, Add		310.73
26 24 13 00-0136 EA 200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	1,341.29	103.42
For Electrical Interlock Kit, Add		310.73
26 24 13 00-0137 EA 400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,449.39	278.69
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139 EA 30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,036.23	118.86
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0140 EA 30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,033.45	118.86
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0141 EA 60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,033.45	118.86
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0142 EA 60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,553.94	159.16
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0143 EA 100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,553.94	159.16
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0145 EA 100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,118.62	116.84
For Electrical Interlock Kit, Add		324.36
26 24 13 00-0146 EA 200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,797.87	116.84
For Electrical Interlock Kit, Add		310.73

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0147 EA 400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,610.95	311.99
26 24 13 00-0148 EA 600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,578.01	399.70
26 24 13 00-0149 EA 800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,214.12	541.52
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0151 EA 30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,456.85	118.86
For Electrical Interlock Kit, Add	324.36	
26 24 13 00-0152 EA 30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,454.04	118.86
For Electrical Interlock Kit, Add	324.36	
26 24 13 00-0153 EA 60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,456.85	118.86
For Electrical Interlock Kit, Add	324.36	
26 24 13 00-0154 EA 60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,188.59	159.16
For Electrical Interlock Kit, Add	324.36	
26 24 13 00-0155 EA 100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,235.56	159.16
For Electrical Interlock Kit, Add	324.36	
26 24 13 00-0156 EA 200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,741.12	208.18
For Electrical Interlock Kit, Add	324.36	
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158 EA 100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,571.64	116.84
For Electrical Interlock Kit, Add	324.36	
26 24 13 00-0159 EA 200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,373.00	116.84
For Electrical Interlock Kit, Add	310.73	
26 24 13 00-0160 EA 400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,777.57	311.99
For Electrical Interlock Kit, Add	310.73	
26 24 13 00-0161 EA 600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	7,019.58	399.70
26 24 13 00-0162 EA 800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,214.12	541.52
26 24 13 00-0163 Service And Distribution Structures (26 24 13)		
26 24 13 00-0164 Distribution Section 600 Volt, 250 Volt DC (26 24 13 00-0163)		
26 24 13 00-0165 600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,076.97	1,235.63
26 24 13 00-0167 EA 24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,656.74	1,235.63
26 24 13 00-0168 EA 34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,072.59	1,571.39
26 24 13 00-0169 EA 42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,506.47	1,571.39
26 24 13 00-0170 800 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,471.82	1,430.37
26 24 13 00-0172 EA 24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,034.45	1,430.37
26 24 13 00-0173 EA 34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,506.47	1,772.85
26 24 13 00-0174 EA 42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,896.25	1,772.85
26 24 13 00-0175 1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,082.97	1,745.99
26 24 13 00-0177 EA 24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,660.25	1,745.99
26 24 13 00-0178 EA 34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,162.74	2,148.91
26 24 13 00-0179 EA 42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,733.78	2,148.91
26 24 13 00-0180 1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,000.11	1,913.87
26 24 13 00-0182 EA 24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,694.78	1,913.87
26 24 13 00-0183 EA 34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,293.66	2,363.80
26 24 13 00-0184 EA 42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,791.10	2,363.80
26 24 13 00-0185 2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,249.10	1,920.59
26 24 13 00-0187 EA 24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,002.26	2,162.34
26 24 13 00-0188 EA 34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,121.48	2,162.34
26 24 13 00-0189 EA 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,385.04	2,283.22
26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,135.74	2,162.34
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,253.18	2,162.34
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,516.74	2,283.22
26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,307.92	2,283.22
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,516.74	2,283.22
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,611.91	2,283.22



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	637.35	161.17
26 24 13 00-0200 EA Drilled Bottom For Pull Boy.....	718.98	161.17
26 24 13 00-0201 EA Cable Supports In Pull Box.....	252.56	40.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		22.39
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	622.90	188.03
26 24 13 00-0204 EA 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	1,066.94	241.75
26 24 13 00-0205 EA 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	1,066.94	241.75
26 24 13 00-0206 EA 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	803.03	188.03
26 24 13 00-0207 EA 28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	1,142.11	275.33
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,306.40	275.33
26 24 13 00-0209 EA 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,373.09	355.91
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,454.35	355.91
26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,962.97	1,119.18
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,434.02	1,216.55
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,820.63	1,554.47
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,458.64	1,695.76
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,953.85	1,805.22
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section.....	5,833.17	981.78
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,397.43	932.62
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,760.06	1,011.33
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	8,285.75	1,119.18
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	8,901.95	1,122.13
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	9,775.75	1,252.81
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	193.57	67.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		41.01
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	235.72	68.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		48.45
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	1,050.79	80.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		104.39
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,732.26	173.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		145.35
26 24 13 00-0227 EA 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	698.35	242.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		83.94
26 24 13 00-0228 EA 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	1,927.39	139.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		104.39
26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)		
26 24 13 00-0230 EA 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,573.33	582.89
26 24 13 00-0231 EA 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,652.17	788.24
26 24 13 00-0232 EA 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	4,112.50	959.36
26 24 13 00-0233 EA 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,213.39	1,343.07
26 24 13 00-0234 EA 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	6,463.25	1,678.83
26 24 13 00-0235 EA 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,088.80	1,678.83
26 24 13 00-0236 EA 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	8,784.87	2,238.49
26 24 13 00-0237 EA 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	9,984.32	2,238.49
26 24 13 00-0238 EA 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	11,747.35	2,664.78
26 24 13 00-0239 EA 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	13,954.46	2,664.78
26 24 13 00-0240 Main Devices (26 24 13)		
26 24 13 00-0241 Power Circuit Breakers (26 24 13 00-0240)		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector (26 24 13 00-0241)		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	8,903.60	1,410.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		844.34
26 24 13 00-0244 EA 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	16,203.44	2,350.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		1,408.81
26 24 13 00-0245 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	36,222.47	3,948.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2,348.03
26 24 13 00-0246 EA 4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	58,392.59	6,393.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3,904.27
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	3,003.63	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	387.91	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	508.91	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	366.56	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector (26 24 13 00-0241)		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0252 EA 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,399.55 890.63	1,477.37
26 24 13 00-0253 EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,262.11 1,483.51	2,484.67
26 24 13 00-0254 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,637.86 2,468.88	4,096.36
26 24 13 00-0255 EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62,865.37 4,128.29	6,715.35
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated (26 24 13 00-0241) Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,120.31 774.85	1,289.35
26 24 13 00-0258 EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,986.42 1,291.41	2,162.34
26 24 13 00-0259 EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,326.06 2,152.35	3,626.28
26 24 13 00-0260 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,310.75 3,584.70	5,842.35
26 24 13 00-0261 EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54,249.52 5,960.37	9,535.79
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated (26 24 13 00-0241) Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,342.59 739.03	1,235.63
26 24 13 00-0264 EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,521.38 1,231.42	2,068.32
26 24 13 00-0265 EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,201.52 2,055.72	3,438.26
26 24 13 00-0266 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,652.60 3,426.20	5,600.60
26 24 13 00-0267 EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57,436.28 5,723.30	9,602.94
26 24 13 00-0268 Molded Case Circuit Breakers Conventional (26 24 13 00-0241)		
26 24 13 00-0269 EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,128.90 649.87	1,128.17
26 24 13 00-0270 EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,496.88 706.88	1,128.17
26 24 13 00-0271 EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,985.02 774.85	1,343.07
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,899.56 839.42	1,343.07
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,650.14 919.91	1,611.68
26 24 13 00-0274 EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,827.79 1,017.48	1,611.68
26 24 13 00-0275 EA Shunt Trip, Factory Installed	384.35	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed	88.97	
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt (26 24 13 00-0240)		
26 24 13 00-0278 EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	626.92 58.40	97.37
26 24 13 00-0279 EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	742.20 77.49	129.21
26 24 13 00-0280 EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,112.26 116.72	194.48
26 24 13 00-0281 EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,789.56 146.41	244.04
26 24 13 00-0282 EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,382.42 196.36	327.30
26 24 13 00-0283 EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,089.59 251.83	419.71
26 24 13 00-0284 EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,571.15 383.74	639.57
26 24 13 00-0285 EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,571.15 383.74	639.57
26 24 13 00-0286 EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,216.13 537.23	895.43
26 24 13 00-0287 EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,542.59 805.84	1,343.07
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)		
26 24 13 00-0289 EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,436.04 349.76	582.89



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0290 EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,546.86 383.00	638.37
26 24 13 00-0291 EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,188.85 575.60	959.36
26 24 13 00-0292 EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,950.33 805.84	1,343.07
26 24 13 00-0293 EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,235.59 891.42	1,485.71
26 24 13 00-0294 EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,926.34 1,598.89	2,664.78
26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	672.52 32.23	48.35
26 24 13 00-0298 EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	679.61 40.29	60.44
26 24 13 00-0299 EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,632.74 48.35	72.52
26 24 13 00-0300 EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,367.20 62.45	94.02
26 24 13 00-0301 EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,336.87 77.36	116.04
26 24 13 00-0302 EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,369.91 90.66	135.65
26 24 13 00-0303 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,668.88 102.34	153.11
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	463.49 24.17	36.26
26 24 13 00-0306 EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	595.58 32.23	48.35
26 24 13 00-0307 EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,626.53 40.29	60.44
26 24 13 00-0308 EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,576.02 44.32	67.15
26 24 13 00-0309 EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,722.80 58.43	87.30
26 24 13 00-0310 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,168.29 84.61	126.92
26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13) Note: Factory installed accessories.		
26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)		
26 24 13 00-0313 EA Compartment For, Up To 800 Amperes, Primary Current Transformer	464.42	
26 24 13 00-0314 EA Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	670.84	
26 24 13 00-0315 EA Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	790.06	
26 24 13 00-0316 Instruments (26 24 13 00-0311)		
26 24 13 00-0317 EA AC Voltmeter	633.47	
26 24 13 00-0318 EA AC Ammeter	633.47	
26 24 13 00-0319 EA AC Wattmeter	1,692.21	
26 24 13 00-0320 EA Variometer	1,911.08	
26 24 13 00-0321 EA Power Factor Meter	1,526.73	
26 24 13 00-0322 EA Frequency Meter	1,685.10	
26 24 13 00-0323 EA 200 Volt-Amperes Max Potential Transformer	569.41	
26 24 13 00-0324 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	2,144.18	
26 24 13 00-0325 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,587.28	
26 24 13 00-0326 EA Weatherproof, Modify Meter	3,509.15	
26 24 13 00-0327 EA Control Switch Resistor Type 130 V	83.71	
26 24 13 00-0328 EA Metering Instrument: Voltage, Amperes And Watt Hour	4,327.16	
26 24 16 Panelboards (26 24)		
26 24 16 00-0001 Branch Circuit Panelboard (26 24 16) Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,373.99	382.77
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,565.93	382.77
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,781.63	530.51
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,999.08	530.51
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,204.41	664.82
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,415.07	664.82
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,618.40	765.55
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,150.42	980.44
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,319.71	980.44
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,484.52	1,121.46
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,749.45	1,121.46
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,911.92	1,262.48
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,155.01	1,262.48
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,305.75	1,396.79
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,547.35	1,396.79
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,771.65	1,544.53
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,924.85	1,544.53
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,153.12	1,544.53
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0022		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,614.36	369.35
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,809.20	369.35
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,262.91	631.24
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,564.63	631.24
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,774.05	772.26
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,992.63	772.26
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,186.36	926.72
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,851.17	926.72
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,024.56	1,134.90
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,213.21	1,134.90
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,420.14	1,275.92
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,587.30	1,275.92
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,765.74	1,396.79
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,957.21	1,396.79
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,163.83	1,651.97
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,388.17	1,651.97
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,633.45	1,651.97
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,784.38	1,745.99
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0041		120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,655.04	436.50
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,861.19	436.50
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,094.44	584.24
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,338.52	584.24
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,557.95	718.55
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,792.67	718.55
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,013.29	852.85
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,243.39	852.85
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,455.05	1,000.59
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,698.77	1,000.59
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,949.02	1,155.04
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,192.68	1,155.04
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,685.53	1,396.79
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,855.48	1,396.79
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,138.63	1,551.25
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,398.65	1,551.25
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,579.87	1,692.27
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,842.81	1,692.27
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,643.12	1,501.55
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,830.53	1,578.10
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,126.98	1,662.05
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,407.44	1,759.43
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,600.59	1,813.14
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,916.50	1,923.94
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0066		120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,951.30	423.07
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,160.18	423.07
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,406.89	557.37
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,743.26	557.37
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,261.81	839.42
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,475.69	839.42
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,708.34	980.44
		For NEMA 3R Panelboard, Add	1,579.99	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0074 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,903.51	980.44
For NEMA 3R Panelboard, Add	1,737.56	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0075 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,163.89	1,134.90
For NEMA 3R Panelboard, Add	1,737.56	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0076 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,344.64	1,134.90
For NEMA 3R Panelboard, Add	1,737.56	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0077 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,630.83	1,275.92
For NEMA 3R Panelboard, Add	1,737.56	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0078 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,874.53	1,275.92
For NEMA 3R Panelboard, Add	1,737.56	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0079 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,718.65	1,477.37
For NEMA 3R Panelboard, Add	2,052.47	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0080 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,974.96	1,557.96
For NEMA 3R Panelboard, Add	2,052.47	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0081 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,085.85	1,557.96
For NEMA 3R Panelboard, Add	2,052.47	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0082 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,374.52	1,759.43
For NEMA 3R Panelboard, Add	2,052.47	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0083 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,573.17	1,759.43
For NEMA 3R Panelboard, Add	2,136.20	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0084 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,708.07	1,759.43
For NEMA 3R Panelboard, Add	2,136.20	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0085 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,705.48	1,618.40
For NEMA 3R Panelboard, Add	2,052.47	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0086 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,986.54	1,712.41
For NEMA 3R Panelboard, Add	2,052.47	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0087 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,101.38	1,759.43
For NEMA 3R Panelboard, Add	2,052.47	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0088 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,413.47	1,866.87
For NEMA 3R Panelboard, Add	2,052.47	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0089 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,611.17	1,920.59
For NEMA 3R Panelboard, Add	2,136.20	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0090 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,801.03	1,987.74
For NEMA 3R Panelboard, Add	2,136.20	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0092 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,855.93	429.78
For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0093 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,126.55	429.78
For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0094 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,385.66	590.95
For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0095 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,656.24	590.95
For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0096 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,908.05	738.69
For NEMA 3R Panelboard, Add	1,579.99	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0097	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,173.80	738.69
			<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0098	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,451.52	893.14
			<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0099	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,705.33	893.14
			<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0100	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,985.23	1,061.02
			<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0101	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,255.13	1,061.02
			<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0102	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,502.62	1,208.76
			<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0103	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,768.39	1,208.76
			<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0104	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,340.32	1,470.66
			<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0105	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,605.77	1,470.66
			<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0106	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,888.94	1,611.68
			<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0107	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,093.31	1,611.68
			<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0108	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,409.37	1,779.57
			<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0109	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,632.50	1,779.57
			<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0110			480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0111	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,354.52	456.64
			<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0112	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,618.78	496.93
			<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0113	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,886.06	617.81
			<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0114	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,472.21	752.12
			<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0115	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,728.60	832.70
			<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0116	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,961.37	899.86
			<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0117	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,218.95	980.44
			<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0118	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,466.45	1,061.02
			<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0119	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,692.00	1,128.17
			<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0120	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,934.74	1,195.33
			<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,198.27 1,737.56 126.97	1,275.92
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,487.23 1,737.56 126.97	1,376.65
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,864.32 2,052.47 216.84	1,531.10
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,140.97 2,052.47 216.84	1,625.12
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,334.69 2,052.47 216.84	1,665.41
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,647.06 2,052.47 216.84	1,772.85
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,861.17 2,136.20 277.14	1,840.01
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,083.60 2,136.20 277.14	1,897.76
26 24 16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,249.01 1,579.99	470.08
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,548.96 1,579.99	470.08
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,840.75 1,579.99	624.53
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,135.04 1,579.99	624.53
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,434.37 1,579.99	772.26
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,727.19 1,579.99	772.26
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	4,025.08 1,579.99	926.72
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,321.65 1,737.56 126.97	926.72
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,647.10 1,737.56 126.97	1,087.88
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,917.22 1,737.56 126.97	1,087.88
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,203.50 1,737.56 126.97	1,094.60
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,509.27 1,737.56 126.97	1,094.60
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,280.52 2,052.47 216.84	1,517.67
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,593.09 2,052.47 216.84	1,517.67

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0144	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,830.85	1,598.25
			For NEMA 3R Panelboard, Add.....	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add.....	216.84	
26 24 16 00-0145	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,173.58	1,705.70
			For NEMA 3R Panelboard, Add.....	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add.....	216.84	
26 24 16 00-0146	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,428.49	1,705.70
			For NEMA 3R Panelboard, Add.....	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add.....	277.14	
26 24 16 00-0147	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,810.57	1,866.87
			For NEMA 3R Panelboard, Add.....	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add.....	277.14	
26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)					
26 24 16 00-0149	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,914.32	577.52
			For NEMA 3R Panelboard, Add.....	1,579.99	
26 24 16 00-0150	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	3,221.73	577.52
			For NEMA 3R Panelboard, Add.....	1,579.99	
26 24 16 00-0151	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	3,516.97	765.55
			For NEMA 3R Panelboard, Add.....	1,579.99	
26 24 16 00-0152	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	4,191.23	765.55
			For NEMA 3R Panelboard, Add.....	1,579.99	
26 24 16 00-0153	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	4,477.44	967.01
			For NEMA 3R Panelboard, Add.....	1,579.99	
26 24 16 00-0154	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	4,763.16	967.01
			For NEMA 3R Panelboard, Add.....	1,579.99	
26 24 16 00-0155	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	5,038.79	1,108.03
			For NEMA 3R Panelboard, Add.....	1,579.99	
26 24 16 00-0156	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	5,292.47	1,108.03
			For NEMA 3R Panelboard, Add.....	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add.....	126.97	
26 24 16 00-0157	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	5,563.34	1,262.48
			For NEMA 3R Panelboard, Add.....	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add.....	126.97	
26 24 16 00-0158	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	5,854.98	1,262.48
			For NEMA 3R Panelboard, Add.....	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add.....	126.97	
26 24 16 00-0159	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	6,103.84	1,396.79
			For NEMA 3R Panelboard, Add.....	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add.....	126.97	
26 24 16 00-0160	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	6,365.74	1,396.79
			For NEMA 3R Panelboard, Add.....	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add.....	126.97	
26 24 16 00-0161	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	8,267.52	1,651.97
			For NEMA 3R Panelboard, Add.....	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add.....	216.84	
26 24 16 00-0162	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	8,587.91	1,651.97
			For NEMA 3R Panelboard, Add.....	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add.....	216.84	
26 24 16 00-0163	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	8,820.48	1,806.43
			For NEMA 3R Panelboard, Add.....	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add.....	216.84	
26 24 16 00-0164	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	9,180.24	1,806.43
			For NEMA 3R Panelboard, Add.....	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add.....	216.84	
26 24 16 00-0165	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	9,435.48	1,974.31
			For NEMA 3R Panelboard, Add.....	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add.....	277.14	
26 24 16 00-0166	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	9,699.90	1,974.31
			For NEMA 3R Panelboard, Add.....	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add.....	277.14	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0167 EA 400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add	11,478.97 2,136.20 277.14	2,198.60
26 24 16 00-0168 EA 600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... For NEMA 3R Panelboard, Add For Door-In-Door (Hinged) Trim Front, Add	13,965.92 2,136.20 277.14	2,639.13
26 24 16 00-0169 Unassembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0169) Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0172 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	707.81	
26 24 16 00-0173 EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	815.66	
26 24 16 00-0174 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,116.17	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0175 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,289.43	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0176 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,460.19	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0177 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,635.51	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0178 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,776.64	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0179 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,946.72	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0180 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,137.38	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0181 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,278.63	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0182 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,491.86	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0184 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,054.52	
26 24 16 00-0185 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,196.90	
26 24 16 00-0186 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,921.96	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0187 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,136.53	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0188 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,339.27	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0189 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,026.78	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0190 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,272.93	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0191 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,493.86	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,417.33	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,517.08	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,800.70	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,970.58	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,128.50	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,434.91	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,567.25	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,729.23	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,982.05	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,118.20	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,318.80	
26 24 16 00-0204		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,755.94	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,889.53	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,737.57	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,935.93	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,126.50	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,797.12	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,035.17	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,254.06	
26 24 16 00-0213		240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0169)		
		Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0213)		
26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	798.77	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	940.37	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,060.40	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,204.46	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,387.07	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,537.05	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,772.93	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,911.63	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,065.38	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,289.65	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,524.77	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,980.23	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	



Electrical		26
Low-Voltage Electrical Distribution		26 20
Switchboards and Panelboards		26 24

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0213)		
26 24 16 00-0228 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,235.42	
26 24 16 00-0229 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,394.09	
26 24 16 00-0230 EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,607.56	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0231 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,373.27	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0232 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,571.11	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0233 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,758.76	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0234 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,806.45	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0235 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,036.39	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0236 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,226.69	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0213)		
26 24 16 00-0238 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,508.30	
26 24 16 00-0239 EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,641.78	
26 24 16 00-0240 EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,753.03	
26 24 16 00-0241 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,888.99	
26 24 16 00-0242 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,068.22	
26 24 16 00-0243 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,205.36	
26 24 16 00-0244 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,572.33	
26 24 16 00-0245 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,702.24	
26 24 16 00-0246 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,847.89	
26 24 16 00-0247 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,134.32	
26 24 16 00-0248 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,353.90	
26 24 16 00-0249 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,809.36	
26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0213)		
26 24 16 00-0251 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,936.83	
26 24 16 00-0252 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,086.73	
26 24 16 00-0253 EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,295.46	
26 24 16 00-0254 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,188.89	
26 24 16 00-0255 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,370.51	
26 24 16 00-0256 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,546.00	
26 24 16 00-0257 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,285.24	
26 24 16 00-0258 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,522.20	
26 24 16 00-0259 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,724.39	
26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0169) Note: As manufactured by Square D or equal.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0261	Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)			
26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,138.02	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,251.26	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,731.50	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,932.45	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,106.46	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,108.64	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,224.50	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,417.98	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,576.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,761.58	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,017.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0273	Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)			
26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,320.00	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,393.14	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,598.98	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,741.19	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,029.39	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,935.89	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,112.85	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,342.11	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,493.73	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,738.64	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,959.16	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0285	Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)			
26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,823.22	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,936.46	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,400.48	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,719.01	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,879.50	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,881.68	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0292 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,977.27	
26 24 16 00-0293 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,141.70	
26 24 16 00-0294 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,367.39	
26 24 16 00-0295 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,536.35	
26 24 16 00-0296 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,756.65	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)		
26 24 16 00-0298 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,151.16	
26 24 16 00-0299 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,224.30	
26 24 16 00-0300 EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,274.04	
26 24 16 00-0301 EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,410.17	
26 24 16 00-0302 EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,815.95	
26 24 16 00-0303 EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,708.94	
26 24 16 00-0304 EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,865.63	
26 24 16 00-0305 EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,065.83	
26 24 16 00-0306 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,217.45	
26 24 16 00-0307 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,443.82	
26 24 16 00-0308 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,661.55	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0169)		
Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0311 EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,183.97	
26 24 16 00-0312 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,297.88	
26 24 16 00-0313 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,503.01	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0314 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,799.11	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0315 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,001.56	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0316 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,174.27	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0317 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,197.97	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0318 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,335.32	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0319 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,527.31	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0320 EA 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,685.63	
For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0321 EA 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,872.10	
For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0322 EA 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,128.89	
For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0324 EA 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,556.51	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,630.33	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,851.11	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,924.09	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,066.85	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,354.34	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,317.21	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,496.29	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,723.14	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,950.63	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,197.85	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,418.28	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)				
26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,869.17	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,983.08	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,178.07	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,468.09	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,788.12	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,947.32	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,973.04	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,088.09	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,251.02	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,476.92	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,646.49	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,866.80	
26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)				
26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,225.49	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,299.31	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,637.67	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,599.15	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,735.83	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,140.90	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,090.25	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,249.06	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,446.85	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,674.35	



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0360 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,902.64	
26 24 16 00-0361 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,119.70	
26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0169) Note: Square D I-Line or equal.		
26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)		
26 24 16 00-0364 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,062.86	399.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	239.66	
26 24 16 00-0365 EA 400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,401.57	399.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	239.60	
26 24 16 00-0366 EA 400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,656.64	399.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	239.60	
26 24 16 00-0367 EA 600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,071.71	655.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	393.47	
26 24 16 00-0368 EA 600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,269.12	655.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	393.47	
26 24 16 00-0369 EA 600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,485.76	655.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	393.47	
26 24 16 00-0370 EA 800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,799.68	871.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	523.02	
26 24 16 00-0371 EA 800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,990.20	874.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	524.62	
26 24 16 00-0372 EA 800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,066.98	871.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	523.02	
26 24 16 00-0373 EA 800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,693.30	871.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	523.02	
26 24 16 00-0374 EA 1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,153.02	1,311.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	786.93	
26 24 16 00-0375 EA 1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,579.30	1,311.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	786.93	
26 24 16 00-0376 EA 1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,927.84	1,311.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	786.93	
26 24 16 00-0377 EA 1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,353.25	1,311.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	786.93	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)		
26 24 16 00-0379 EA 225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,911.52	407.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	244.72	
26 24 16 00-0380 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,119.98	462.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.59	
26 24 16 00-0381 EA 400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,366.31	462.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.59	
26 24 16 00-0382 EA 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,091.34	462.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.59	
26 24 16 00-0383 EA 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,976.54	758.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	455.04	
26 24 16 00-0384 EA 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,384.14	760.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	456.25	
26 24 16 00-0385 EA 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,719.04	758.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	455.04	
26 24 16 00-0386 EA 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,096.56	1,013.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	608.34	
26 24 16 00-0387 EA 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,577.70	1,010.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	606.19	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	11,058.14		1,010.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	606.19		
26 24 16 00-0389		Residential Lighting And Power Panelboards (26 24 16 00-0001) See CSI section 26 28 16 13-0001 for circuit breakers.			
26 24 16 00-0390		Residential Type Unassembled Load Center (26 24 16 00-0389) Note: Interior box and cover, includes ground bar kit.			
26 24 16 00-0391		Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt (26 24 16 00-0390)			
26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	177.04		67.15
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	600.72		268.62
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	904.32		383.45
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,930.80		805.98
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,110.20		872.99
26 24 16 00-0397		Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.			
26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	243.41		73.87
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	427.43		80.58
26 24 16 00-0400		Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof (26 24 16 00-0390)			
26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	247.33		73.87
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	275.57		80.58
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	982.63		383.45
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,229.37		872.99
26 24 16 00-0405		Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.			
26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	303.00		73.87
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,148.88		805.98
26 24 16 00-0408		Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt (26 24 16 00-0390)			
26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,301.92		805.98
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,498.35		872.99
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	8,499.16		1,343.07
26 24 16 00-0412		Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.			
26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,290.68		805.98
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,588.40		872.99
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,331.12		1,343.07
26 24 16 00-0416		Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof (26 24 16 00-0390)			
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,412.58		805.98
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,687.32		872.99
26 24 16 00-0419		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.			
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,474.20		805.98



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	3,608.32	872.99
26 24 16 00-0422		Residential Type Assembled Load Center (26 24 16 00-0389)		
26 24 16 00-0423		Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase (26 24 16 00-0422) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	904.83	383.45
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,098.45	447.91
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	923.56	383.45
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,103.55	447.91
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,592.42	596.99
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,880.79	716.53
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,152.01	826.66
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,368.63	894.89
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,545.85	1,343.07
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,658.82	596.99
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,943.78	716.53
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,215.00	826.66
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,428.21	894.89
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,741.63	1,343.07
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,338.01	1,492.28
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,542.30	1,492.28
26 24 16 00-0440		Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt (26 24 16 00-0422) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,193.78	447.91
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,780.59	671.53
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,249.96	447.91
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,831.66	671.53
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,249.05	826.66
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,454.70	895.43
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,000.79	1,074.86
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,613.95	1,343.07
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,308.63	826.66
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,521.84	894.89
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,229.24	1,074.06
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,843.77	1,343.07
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,389.08	1,492.28
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,593.37	1,492.28
26 24 16 00-0455		Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase (26 24 16 00-0422) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,186.97	447.91
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,756.75	671.53
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,020.39	716.53

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,317.96	827.06
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,548.33	895.43
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,375.49	1,193.99
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,037.41	716.53
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,351.19	826.66
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,555.89	894.89
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,281.86	1,193.99
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,091.48	1,492.28
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,431.96	1,492.28
26 24 16 00-0468		Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt (26 24 16 00-0422) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,025.00	895.43
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,158.72	1,343.07
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,126.19	894.89
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,260.86	1,343.07
26 24 16 00-0473		Panel Mounted Accessories And Fuseholders (26 24 16 00-0001)		
26 24 16 00-0474		Midget Finger-Safe Fuse Holders (26 24 16 00-0473) Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	84.01	24.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	98.35	24.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	135.11	36.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.17	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	172.55	36.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.17	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	197.84	48.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.23	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	247.56	48.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.23	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	289.15	48.35
		Note: With indicators.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.23	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	234.01	48.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.23	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	249.11	60.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.29	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	303.71	60.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.29	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder	98.40	24.18
		Note: With indicator.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder	106.01	24.18
		Note: With indicator.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder	99.80	24.18
		Note: With indicator.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.12	
26 24 16 00-0488		Removal And Reinstallation Of Panelboards (26 24 16 00-0001) Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers	1,685.69	
		Note: Includes removal and reinstallation of main wiring to panelboard.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	503.65	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	89.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.19	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	6.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.26	
26 24 19		Motor-Control Centers (26 24)		
26 24 19 00-0001		Combination Starters With Molded Case Circuit Breakers (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Switchboards and Panelboards	26 24

26

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
26 24 19 00-0002	230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)			
Note: 1-Speed non-reversing.				
26 24 19 00-0003	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,553.46		122.71
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0004	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	3,022.04		128.85
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31		
26 24 19 00-0005	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,490.10		134.98
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99		
26 24 19 00-0006	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	8,129.21		159.53
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72		
26 24 19 00-0007	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,355.42		184.07
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44		
26 24 19 00-0008	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	27,508.93		245.42
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26		
26 24 19 00-0009	480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)			
Note: 1-Speed non-reversing.				
26 24 19 00-0010	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,553.46		122.71
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0011	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	3,022.04		128.85
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31		
26 24 19 00-0012	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,490.10		134.98
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99		
26 24 19 00-0013	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	8,129.21		159.53
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72		
26 24 19 00-0014	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,355.42		184.07
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44		
26 24 19 00-0015	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	27,508.93		245.42
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26		
26 24 19 00-0016	230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)			
Note: 1-Speed reversing.				
26 24 19 00-0017	EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,692.99		122.71
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0018	EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,917.24		128.85
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31		
26 24 19 00-0019	EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	7,041.98		134.98
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99		
26 24 19 00-0020	EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,310.72		159.53
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72		
26 24 19 00-0021	EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	24,213.87		184.07
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44		
26 24 19 00-0022	EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	41,719.31		245.42
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26		
26 24 19 00-0023	480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)			
Note: 1-Speed reversing.				
26 24 19 00-0024	EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,692.99		122.71
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0025	EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,917.24		128.85
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31		
26 24 19 00-0026	EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	7,041.98		134.98
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99		
26 24 19 00-0027	EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,310.72		159.53
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72		
26 24 19 00-0028	EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,213.87		184.07
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44		
26 24 19 00-0029	EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	41,719.31		245.42
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26		
26 24 19 00-0030	230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)			
Note: 2-Speed non-reversing, 2 wind.				
26 24 19 00-0031	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,499.33		196.34
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80		
26 24 19 00-0032	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,180.08		208.61
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.17		
26 24 19 00-0033	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,087.23		220.88
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.52		
26 24 19 00-0034	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	16,220.00		251.56
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93		
26 24 19 00-0035	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	26,853.85		294.51
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.71		
26 24 19 00-0036	480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)			
Note: 2-Speed non-reversing, 2 wind.				
26 24 19 00-0037	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,499.33		196.34
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,180.08 125.17	208.61
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,087.23 132.52	220.88
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,220.00 150.93	251.56
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,853.85 176.71	294.51
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,182.60 73.63	122.71
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,705.72 77.31	128.85
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,542.67 80.99	134.98
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,792.54 95.72	159.53
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,278.95 110.44	184.07
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,182.60 73.63	122.71
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,705.72 77.31	128.85
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,542.67 80.99	134.98
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,792.54 95.72	159.53
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,278.95 110.44	184.07
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,657.43 11,716.21	128.85
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,716.21 19,737.01	141.11
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,737.01 30,522.35	159.53
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,522.35 52,206.89	184.07
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,206.89	245.42
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,657.43 11,716.21	128.85
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,716.21 19,737.01	141.11
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,737.01 30,522.35	159.53
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,522.35 52,206.89	184.07
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,206.89	245.42
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,245.34 117.80	196.34
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,772.16 136.21	227.02
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,886.38 150.93	251.56
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,241.56 184.07	306.78
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,803.46 235.61	392.68
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,245.34 117.80	196.34
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,772.16 136.21	227.02
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,886.38 150.93	251.56
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,241.56 184.07	306.78
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,803.46 235.61	392.68



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
26 24 19 00-0078	230 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, energy saver.				
26 24 19 00-0079	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	21,579.10		159.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72			
26 24 19 00-0080	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	22,896.05		196.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80			
26 24 19 00-0081	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	25,284.77		227.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.21			
26 24 19 00-0082	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	38,269.51		251.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93			
26 24 19 00-0083	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	52,187.16		306.78	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07			
26 24 19 00-0084	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	70,818.47		392.68	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.61			
26 24 19 00-0085	480 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, energy saver.				
26 24 19 00-0086	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	21,579.10		159.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72			
26 24 19 00-0087	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	22,896.05		196.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80			
26 24 19 00-0088	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	25,284.77		227.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.21			
26 24 19 00-0089	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	38,269.51		251.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93			
26 24 19 00-0090	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	52,187.16		306.78	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07			
26 24 19 00-0091	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	70,818.47		392.68	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.61			
26 24 19 00-0092	Combination Starters With Current Limiting Circuit Breakers (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.				
26 24 19 00-0093	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.				
26 24 19 00-0094	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,410.53		122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63			
26 24 19 00-0095	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,879.10		128.85	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31			
26 24 19 00-0096	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,989.36		134.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99			
26 24 19 00-0097	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,023.92		159.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72			
26 24 19 00-0098	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	19,720.91		184.07	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44			
26 24 19 00-0099	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	32,137.08		245.42	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26			
26 24 19 00-0100	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.				
26 24 19 00-0101	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,410.53		122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63			
26 24 19 00-0102	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,879.10		128.85	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31			
26 24 19 00-0103	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	5,989.36		134.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99			
26 24 19 00-0104	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,023.92		159.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72			
26 24 19 00-0105	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	19,720.91		184.07	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44			
26 24 19 00-0106	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	32,137.08		245.42	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26			
26 24 19 00-0107	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.				
26 24 19 00-0108	EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,542.82		122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63			

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,757.40 77.31	128.85
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,507.44 80.99	134.98
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,166.80 95.72	159.53
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,511.76 110.44	184.07
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,542.82 73.63	122.71
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,757.40 77.31	128.85
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,507.44 80.99	134.98
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,166.80 95.72	159.53
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,511.76 110.44	184.07
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,334.67 117.80	196.34
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,003.34 125.17	208.61
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,528.55 132.52	220.88
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,042.28 150.93	251.56
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,125.19 176.71	294.51
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,334.67 117.80	196.34
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,003.34 125.17	208.61
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,528.55 132.52	220.88
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,042.28 150.93	251.56
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,125.19 176.71	294.51
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,140.66 110.44	184.07
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,649.46 117.80	196.34
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,124.01 125.17	208.61
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,740.54 143.57	239.29
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,681.46 169.35	282.24
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0138	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	6,140.66	184.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.44	
26 24 19 00-0139	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,649.46	196.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.80	
26 24 19 00-0140	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,124.01	208.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.17	
26 24 19 00-0141	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,740.54	239.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.57	
26 24 19 00-0142	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	37,681.46	282.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.35	
26 24 19 00-0143			230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA		230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,468.63	128.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.31	
26 24 19 00-0145	EA		230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,628.31	141.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.67	
26 24 19 00-0146	EA		230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	23,022.83	159.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.72	
26 24 19 00-0147	EA		230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	34,870.45	184.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.44	
26 24 19 00-0148	EA		230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	57,366.18	245.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.26	
26 24 19 00-0149			480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA		480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,468.63	128.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.31	
26 24 19 00-0151	EA		480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,628.31	141.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.67	
26 24 19 00-0152	EA		480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	23,022.83	159.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.72	
26 24 19 00-0153	EA		480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	34,870.45	184.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.44	
26 24 19 00-0154	EA		480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	57,366.18	245.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.26	
26 24 19 00-0155			230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0156	EA		230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	6,080.68	196.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.80	
26 24 19 00-0157	EA		230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,590.60	227.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.21	
26 24 19 00-0158	EA		230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,318.05	251.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.93	
26 24 19 00-0159	EA		230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,568.42	306.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.07	
26 24 19 00-0160	EA		230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	34,761.38	392.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.61	
26 24 19 00-0161			480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0162	EA		480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	6,080.68	196.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.80	
26 24 19 00-0163	EA		480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,590.60	227.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.21	
26 24 19 00-0164	EA		480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,318.05	251.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.93	
26 24 19 00-0165	EA		480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,568.42	306.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.07	
26 24 19 00-0166	EA		480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	34,761.38	392.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.61	
26 24 19 00-0167			230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	22,271.99	159.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.72	
26 24 19 00-0169	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,581.71	196.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.80	
26 24 19 00-0170	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	25,946.28	227.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.21	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	38,817.55	251.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93	
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	52,612.07	306.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07	
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	73,732.49	392.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.61	
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	22,272.04	159.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.73	
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	23,581.71	196.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80	
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	25,946.28	227.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.21	
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	38,817.55	251.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93	
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	52,612.07	306.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07	
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	73,732.49	392.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.61	
26 24 19 00-0181 Combination Starters With Fusible Switch (26 24 19)		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed non-reversing.		
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,273.41	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,130.68	128.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31	
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	5,267.50	134.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99	
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	9,280.81	159.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72	
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	15,056.55	184.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44	
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	26,845.00	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,273.41	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,130.68	128.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	5,267.50	134.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	9,280.81	159.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	15,056.55	184.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	26,845.00	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed reversing.		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,661.61	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,448.38	128.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,707.83	134.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	14,184.19	159.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	21,814.08	184.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	37,071.84	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,661.61	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,448.38	128.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,707.83	134.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	14,184.19	159.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	21,814.08	184.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	37,071.84	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	4,296.53	196.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	5,900.02	208.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.17	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	9,268.30	220.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.52	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	16,533.85	251.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	26,325.13	294.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.71	
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	4,296.53	196.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	5,900.02	208.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.17	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	9,268.30	220.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.52	
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	16,533.85	251.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93	
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	26,325.13	294.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.71	
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	4,888.06	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	7,444.98	128.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31	
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	10,711.67	134.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99	
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	21,574.27	159.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72	
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	4,888.06	122.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63	
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	7,444.98	128.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31	
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	10,711.67	134.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.99	
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	21,574.27	159.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72	
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	7,394.28	128.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31	
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	13,041.65	141.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.67	
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	21,716.71	159.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72	
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	28,991.70	184.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44	
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	48,696.54	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0238	480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)			
	Note: Auto-transformer.			
26 24 19 00-0239	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	7,394.28	128.85	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.31		
26 24 19 00-0240	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	13,041.65	141.11	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.67		
26 24 19 00-0241	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	21,716.71	159.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72		
26 24 19 00-0242	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	28,991.70	184.07	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.44		
26 24 19 00-0243	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	48,696.54	245.42	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26		
26 24 19 00-0244	230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)			
	Note: Part winding.			
26 24 19 00-0245	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	5,276.72	196.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80		
26 24 19 00-0246	EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,979.79	227.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.21		
26 24 19 00-0247	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	11,094.50	251.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93		
26 24 19 00-0248	EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	22,083.65	306.78	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07		
26 24 19 00-0249	480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)			
	Note: Part winding.			
26 24 19 00-0250	EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	5,276.72	196.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80		
26 24 19 00-0251	EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,979.79	227.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.21		
26 24 19 00-0252	EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	11,094.50	251.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93		
26 24 19 00-0253	EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	22,083.65	306.78	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07		
26 24 19 00-0254	230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)			
	Note: Energy saver.			
26 24 19 00-0255	EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	21,576.68	159.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72		
26 24 19 00-0256	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	22,896.05	196.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80		
26 24 19 00-0257	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	25,284.77	227.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.21		
26 24 19 00-0258	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	38,269.51	251.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93		
26 24 19 00-0259	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	52,187.16	306.78	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07		
26 24 19 00-0260	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	70,818.47	392.68	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.61		
26 24 19 00-0261	480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)			
	Note: Energy saver.			
26 24 19 00-0262	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	21,576.68	159.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.72		
26 24 19 00-0263	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	22,896.05	196.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.80		
26 24 19 00-0264	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	25,284.77	227.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.21		
26 24 19 00-0265	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	38,269.51	251.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93		
26 24 19 00-0266	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	52,187.16	306.78	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07		
26 24 19 00-0267	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	70,818.47	392.68	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.61		
26 24 19 00-0268	Starter Accessories (26 24 19)			
	Note: Additional options or accessories for the Combination Starters			



Electrical		26
Low-Voltage Electrical Distribution		26 20
Switchboards and Panelboards		26 24

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0269 Starter Modifications (26 24 19 00-0268)		
26 24 19 00-0270 EA Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	194.20	
26 24 19 00-0271 EA Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	376.63	
26 24 19 00-0272 EA Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	538.38	
26 24 19 00-0273 EA Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	135.20	
26 24 19 00-0274 EA Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	190.73	
26 24 19 00-0275 EA Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	321.10	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter	79.67	
26 24 19 00-0277 EA N.O. Overload Relay Alarm	67.60	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary	136.18	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	168.37	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	329.32	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	168.37	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V	193.13	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer	232.75	
26 24 19 00-0284 EA Control Devices Type PB2 Mount On Device, Individual Light Push To	274.84	
26 24 19 00-0285 EA Blank Devices Panel	52.00	
26 24 19 00-0286 EA Oversize Or Special Color Starter	81.71	
26 24 19 00-0287 EA Mini Voltmeter/Ammeter With Current Transformer	717.72	
26 24 19 00-0288 EA Mini Elapsed Time Meters, Non-Resettable	650.87	
26 24 19 00-0289 EA Panel Elapsed Time Meter, Resettable	965.66	
26 24 19 00-0290 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	81.71	
26 24 19 00-0291 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	116.37	
26 24 19 00-0292 EA Terminal Blocks, Front Mounted, Press Connection, Standard	81.71	
26 24 19 00-0293 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In	116.37	
26 24 19 00-0294 EA Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	116.37	
26 24 19 00-0295 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	168.37	
26 24 19 00-0296 EA MOR - A Solid State Modular Overload Relay	418.45	
26 24 19 00-0297 EA Heater Module	82.16	
26 24 19 00-0298 EA LAM - Long Acceleration Module	510.40	
26 24 19 00-0299 EA JAM - Jam Protection Module	585.09	
26 24 19 00-0300 EA PUM - Phase Unbalance Module	1,110.43	
26 24 19 00-0301 EA ULM - Underload Module	532.81	
26 24 19 00-0302 EA Wiring To Common Control Circuit Transformer	117.02	
26 24 19 00-0303 EA Handle Operator Separable Source Control Circuit	219.10	
26 24 19 00-0304 EA Type SIS Control Wire	92.12	
26 24 19 00-0305 EA Ring Or Spade Terminals Control	117.02	
26 24 19 00-0306 EA Ring Terminals Power	117.02	
26 24 19 00-0307 EA 14 Gauge Control Wire	92.12	
26 24 19 00-0308 EA Wiring Diagram On Door	69.71	
26 24 19 00-0309 EA Special Color Or Type Control Wire	84.65	
26 24 19 00-0310 EA Current Transformer 12.5 VA	664.76	
26 24 19 00-0311 EA Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,123.76	
26 24 19 00-0312 EA Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,390.16	
26 24 19 00-0313 Control Relays And Special Components (26 24 19 00-0268)		
26 24 19 00-0314 EA 600 Volt, 2 Pole, Control Relays	692.46	
26 24 19 00-0315 EA 600 Volt, 4 Pole, Control Relays	816.14	
26 24 19 00-0316 EA 600 Volt, 6 Pole, Control Relays	952.09	
26 24 19 00-0317 EA 600 Volt, 8 Pole, Control Relays	1,057.74	
26 24 19 00-0318 EA Pneumatic Timer, Control Relays	926.02	
26 24 19 00-0319 EA Motor Driven Timer, Control Relays	2,413.05	
26 24 19 00-0320 EA 7 Days Time Switch, Control Relays	3,037.16	
26 24 19 00-0321 EA 24 Hour Time Switch, Control Relays	851.67	
26 24 19 00-0322 EA Phase Voltage, Control Relays	1,448.73	
26 24 19 00-0323 EA Two Circuit Alternator, Control Relays	2,027.78	
26 24 19 00-0324 EA Manual 120 Volt, Control Relays	198.27	
26 24 19 00-0325 EA Over-Current Relay, Control Relays	4,750.45	
26 24 19 00-0326 EA UV-Relay, Control Relays	4,023.44	
26 24 19 00-0327 EA Over-Current Relay, Control Relays	4,023.44	
26 24 19 00-0328 EA Teleductor, Control Relays	1,493.80	
26 24 19 00-0329 EA Current Transducer, Control Relays	4,017.25	
26 24 19 00-0330 EA Watt Transducer, Control Relays	8,034.50	
26 24 19 00-0331 EA Control Relays, Blank, Add For Each 1x	272.62	
26 24 19 00-0332 EA Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	407.81	
26 24 19 00-0333 EA Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	459.63	
26 24 19 00-0334 EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	511.45	
26 24 19 00-0335 EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	459.63	
26 24 19 00-0336 EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	511.45	
26 24 19 00-0337 EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	538.49	
26 24 19 00-0338 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)		
26 24 19 00-0339 EA Shunt Trip, Circuit Breaker	677.63	
26 24 19 00-0340 EA Auxiliary Switch, Circuit Breaker	234.05	
26 24 19 00-0341 EA Key Interlock, Circuit Breaker	841.84	
26 24 19 00-0342 EA GFR Ground Fault, Circuit Breaker	3,880.77	
26 24 19 00-0343 EA Seltronic Breaker, Circuit Breaker	2,248.05	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0344 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)				
26 24 19 00-0345	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,749.13	79.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.85		
26 24 19 00-0346	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	3,030.98	122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0347	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	2,925.26	79.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.85		
26 24 19 00-0348	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,204.63	122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0349	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,403.03	122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0350	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,332.45	159.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.73		
26 24 19 00-0351	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,412.13	171.79	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.10		
26 24 19 00-0352	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	7,139.29	220.88	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.47		
26 24 19 00-0353	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	8,392.98	337.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.54		
26 24 19 00-0354	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	11,884.23	509.26	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	305.80		
26 24 19 00-0355	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	26,081.96	674.92	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	404.60		
26 24 19 00-0356	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	38,983.63	846.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	507.55		
26 24 19 00-0357	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	65,067.24	981.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	589.52		
26 24 19 00-0358	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,103.21	79.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.85		
26 24 19 00-0359	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,375.15	122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0360	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,103.21	79.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.85		
26 24 19 00-0361	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,375.15	122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0362	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,581.41	79.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.85		
26 24 19 00-0363	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	4,902.87	122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0364	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	6,086.42	122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0365	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,204.30	122.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.63		
26 24 19 00-0366	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	8,115.66	337.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.54		
26 24 19 00-0367	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	8,115.66	337.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.54		
26 24 19 00-0368	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	10,937.29	368.13	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	220.79		
26 24 19 00-0369	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	13,659.79	429.50	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	257.58		
26 24 19 00-0370	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	15,717.16	509.26	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	305.80		
26 24 19 00-0371 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)				
26 24 19 00-0372	EA 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	2,003.19	122.71	
26 24 19 00-0373	EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,096.19	122.71	
26 24 19 00-0374	EA 100 Amperes, Incoming Line And Feeder Fusible Switches	3,025.48	153.39	
26 24 19 00-0375	EA 200 Amperes, Incoming Line And Feeder Fusible Switches	4,921.68	184.07	
26 24 19 00-0376	EA 400 Amperes, Incoming Line And Feeder Fusible Switches	9,704.57	233.16	
26 24 19 00-0377	EA 600 Amperes, Incoming Line And Feeder Fusible Switches	13,612.83	306.78	
26 24 19 00-0378	EA 800 Amperes, Incoming Line And Feeder Fusible Switches	33,116.75	411.08	
26 24 19 00-0379	EA 1,200 Amperes, Incoming Line And Feeder Fusible Switches	37,361.07	570.61	
26 24 19 00-0380 Dry Type Distribution Transformers (26 24 19 00-0268)				
26 24 19 00-0381	EA 500 VA, Phase 1, Dry Type Distribution Transformers	1,688.67		
26 24 19 00-0382	EA 750 VA, Phase 1, Dry Type Distribution Transformers	1,743.14		
26 24 19 00-0383	EA 1,000 VA, Phase 1, Dry Type Distribution Transformers	1,800.09		
26 24 19 00-0384	EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	2,065.03		
26 24 19 00-0385	EA 2,000 VA, Phase 1, Dry Type Distribution Transformers	2,238.35		
26 24 19 00-0386	EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	2,671.50		
26 24 19 00-0387	EA 5,000 VA, Phase 1, Dry Type Distribution Transformers	3,045.54		
26 24 19 00-0388	EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	3,431.81		
26 24 19 00-0389	EA 9,000 VA, Phase 3, Dry Type Distribution Transformers	7,977.84		
26 24 19 00-0390	EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	4,234.05		
26 24 19 00-0391	EA 15,000 VA, Phase 1, Dry Type Distribution Transformers	5,865.77		
26 24 19 00-0392	EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	9,141.58		
26 24 19 00-0393	EA 20,000 VA, Phase 1, Dry Type Distribution Transformers	8,465.62		
26 24 19 00-0394	EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	11,731.53		



Electrical		26
Low-Voltage Electrical Distribution		26 20
Switchboards and Panelboards		26 24

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0395 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	12,772.43	
26 24 19 00-0396 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	17,692.19	
26 24 19 00-0397 Metering Equipment (26 24 19 00-0268)		
26 24 19 00-0398 EA Metering Equipment, Voltmeter, Panel Type	797.29	
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Switchboard Type	1,743.14	
26 24 19 00-0400 EA Metering Equipment, Ammeter, Panel	718.05	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Switchboard Type	1,743.14	
26 24 19 00-0402 EA Metering Equipment, Voltmeter/Ammeter, Switch	968.14	
26 24 19 00-0403 EA Metering Equipment, Control Switch, 4 Circuits	1,027.56	
26 24 19 00-0404 EA Add For Additional Circuits	136.94	
26 24 19 00-0405 EA Metering Equipment, Indicating Wattmeter	3,595.23	
26 24 19 00-0406 EA Metering Equipment, Indicating Power Factor	3,766.07	
26 24 19 00-0407 EA Metering Equipment, Integrating Watt-hour	3,320.38	
26 24 19 00-0408 EA Add For Demand Attachment	896.31	
26 24 19 00-0409 EA 800 Amperes, Metering Equipment, Current Transformer	992.90	
26 24 19 00-0410 EA 1,000 Amperes, Metering Equipment, Current Transformer	1,713.43	
26 24 19 00-0411 EA 2,000 Amperes, Metering Equipment, Current Transformer	1,995.70	
26 24 19 00-0412 EA Metering Equipment, Potential Transformer	1,663.91	
26 24 19 00-0413 EA Metering Equipment, Surge Arrester	1,790.18	
26 24 19 00-0414 EA Metering Equipment, Ground Detector System	1,369.26	
26 24 19 00-0415 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0416 EA 600 Amperes, Current Limiting Reactors	30,561.90	
26 24 19 00-0417 EA 800 Amperes, Current Limiting Reactors	44,507.02	
26 24 19 00-0418 EA 1,000 Amperes, Current Limiting Reactors	58,484.33	
26 24 19 00-0419 EA 1,200 Amperes, Current Limiting Reactors	89,023.94	
26 24 19 00-0420 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0421 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	523.90	
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	523.90	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	724.28	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,325.43	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	724.28	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	924.66	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	924.66	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,323.02	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	924.66	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,323.02	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,125.05	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,647.96	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,125.05	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,323.02	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,647.96	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,647.96	
26 24 19 00-0437 EA Bus Duct Transition Pull Box	1,190.71	
26 24 19 00-0438 EA Throat And Transition To Substation	2,298.64	
26 24 19 00-0439 EA Service Entrance Label Signage	497.80	
26 24 19 00-0440 EA Type W To 5 Star - 10" Transition	1,040.54	
26 24 19 00-0441 EA 600 Amperes, Sub Feed Lugs On Main Bus	595.05	
26 24 19 00-0442 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0443 EA Standard Structure Add For Each Additional 4" Of Structure Width	328.72	
26 24 19 00-0444 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	328.72	
26 24 19 00-0445 EA Standard Structure Single Corner Section "L", 16" Depth	1,016.89	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 21" Depth	1,146.96	
26 24 19 00-0447 EA Standard Structure Unused Space/Future Space	98.14	
26 24 19 00-0448 EA Standard Structure NEMA 12 Dustproof	264.86	
26 24 19 00-0449 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	55.57	
26 24 19 00-0450 EA Standard Structure 150 Watt Space	238.85	
26 24 19 00-0451 EA Standard Structure Thermostat For Space Heater Control	724.52	
26 24 19 00-0452 EA Standard Structure Rear Hinged Structure Door, 72" High	238.85	
26 24 19 00-0453 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC	468.07	
26 24 19 00-0454 EA Standard Structure NEMA 3R N-Walk In Front Mounted	6,677.52	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Back-to-back	7,718.23	
26 24 19 00-0456 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,725.70	
26 24 19 00-0457 Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0458 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	736.24	368.13
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	1,104.35	552.21
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,227.12	613.56
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,472.67	736.27
26 24 19 00-0462 EA Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	122.71	61.36
26 24 19 00-0463 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	736.24	368.13
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	1,104.35	552.21

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,227.12	613.56
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,472.67	736.27
26 24 19 00-0467 EA Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	122.71	61.36
26 24 19 00-0468 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	859.00	429.50
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	1,104.35	552.21
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,472.67	736.27
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,717.74	858.86
26 24 19 00-0472 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	184.06	92.03
26 24 19 00-0473 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	981.69	490.85
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,349.95	674.92
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,717.74	858.86
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,963.06	981.57
26 24 19 00-0477 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	245.42	122.71
26 24 19 00-0478 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	981.69	490.85
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,472.67	736.27
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,840.48	920.21
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	2,086.24	1,043.17
26 24 19 00-0482 EA Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	245.42	122.71
26 24 19 00-0483 Motor Control Centers (26 24 19)		
26 24 19 00-0484 2.4 KV Motor Control Centers (26 24 19 00-0483)		
26 24 19 00-0485 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	18,126.41	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	18,126.41	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	18,126.41	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	18,187.80	276.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.67	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	19,316.96	306.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07	
26 24 19 00-0490 EA 2.400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	19,378.29	337.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.47	
26 24 19 00-0491 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	19,439.64	368.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	220.87	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	19,562.40	429.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	257.70	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	19,685.09	490.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	294.51	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	33,118.01	552.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	331.31	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	35,549.04	613.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	368.14	
26 24 19 00-0496 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	26,880.54	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	28,004.62	263.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	158.30	
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	31,813.78	288.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.02	
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	35,410.08	306.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07	
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	38,528.44	355.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	213.53	
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	42,212.47	380.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	228.25	
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	45,894.31	404.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	242.96	
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	50,263.12	441.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	265.07	
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	58,487.62	490.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	294.51	
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	63,366.19	521.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	312.93	
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	96,750.35	613.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	368.14	
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	103,086.07	674.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	404.99	
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	108,601.93	736.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	441.80	
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	118,255.54	797.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	478.66	
26 24 19 00-0510 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	25,363.99	245.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.26	
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	25,425.38	276.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.67	
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	25,486.70	306.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.07	
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	25,548.03	337.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.47	
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	25,613.70	368.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	220.87	



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI					
26 24 19 00-0515	EA		2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,675.11 239.30	398.82
26 24 19 00-0516	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,736.46 257.70	429.50
26 24 19 00-0517	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,981.81 331.31	552.21
26 24 19 00-0518	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,231.99 368.14	613.56
26 24 19 00-0519	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,354.82 404.99	674.92
26 24 19 00-0520	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,772.86 441.80	736.27
26 24 19 00-0521	EA		Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,974.64 73.63	
26 24 19 00-0522	EA		Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,276.65 73.63	
26 24 19 00-0523	EA		Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,723.72 73.63	
26 24 19 00-0524 4.8 KV Motor Control Centers (26 24 19 00-0483)					
26 24 19 00-0525	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,741.65 220.87	368.13
26 24 19 00-0526	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,803.06 239.30	398.82
26 24 19 00-0527	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,864.41 257.70	429.50
26 24 19 00-0528	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,925.80 276.12	460.17
26 24 19 00-0529	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,044.16 294.51	490.85
26 24 19 00-0530	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,105.58 312.93	521.53
26 24 19 00-0531	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,166.82 331.31	552.21
26 24 19 00-0532	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,228.30 349.75	582.88
26 24 19 00-0533	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,289.59 368.14	613.56
26 24 19 00-0534	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,036.10 478.66	797.75
26 24 19 00-0535	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,158.31 515.32	858.86
26 24 19 00-0536	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,578.52 552.14	920.21
26 24 19 00-0537	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,701.10 588.92	981.57
26 24 19 00-0538	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,432.26 220.87	368.13
26 24 19 00-0539	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,795.69 239.30	398.82
26 24 19 00-0540	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,408.85 257.70	429.50
26 24 19 00-0541	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,018.92 276.12	460.17
26 24 19 00-0542	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,100.38 294.51	490.85
26 24 19 00-0543	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,796.77 312.93	521.53
26 24 19 00-0544	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,266.47 331.31	552.21
26 24 19 00-0545	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50,847.40 349.75	582.88
26 24 19 00-0546	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58,890.53 368.14	613.56
26 24 19 00-0547	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64,357.99 386.55	644.24
26 24 19 00-0548	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69,886.82 423.38	705.59
26 24 19 00-0549	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74,454.75 441.80	736.27
26 24 19 00-0550	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78,763.61 460.17	766.95
26 24 19 00-0551	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84,790.05 478.66	797.75
26 24 19 00-0552	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134,364.55 588.92	981.57
26 24 19 00-0553	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149,415.94 625.87	1,043.17
26 24 19 00-0554	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179,578.18 662.62	1,104.40
26 24 19 00-0555	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189,943.79 662.62	1,104.40

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0556 EA 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27,097.69 257.70	429.50
26 24 19 00-0557 EA 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27,159.08 276.12	460.17
26 24 19 00-0558 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27,220.38 294.51	490.85
26 24 19 00-0559 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27,281.80 312.93	521.53
26 24 19 00-0560 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29,616.78 331.31	552.21
26 24 19 00-0561 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29,678.26 349.75	582.88
26 24 19 00-0562 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29,739.55 368.14	613.56
26 24 19 00-0563 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29,800.93 386.55	644.24
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29,862.38 404.99	674.92
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30,230.17 515.32	858.86
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48,782.34 552.14	920.21
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51,191.61 588.92	981.57
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51,191.61 588.92	981.57
26 24 19 00-0569 EA Add For Reversing Starters, 100 To 1,250 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11,133.77 73.63	
26 24 19 00-0570 EA Add For Reversing Starters, 1,500 To 2,500 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11,471.77 73.63	
26 24 19 00-0571 EA Add For Reversing Starters, 3,000 To 4,500 HP..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17,567.79 73.63	
26 24 19 00-0572 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0483)		
26 24 19 00-0573 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amperes.....	14,493.61	245.42
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes.....	17,421.25	368.13
26 24 19 00-0575 EA 2.4/4.8 KV NEMA 3 Weather Resistant.....	5,700.09	
26 24 19 00-0576 EA 2.4/4.8 KV Space Heaters.....	280.24	18.40
26 24 19 00-0577 EA 2.4/4.8 KV Potential Transformer Fused.....	1,651.36	
26 24 19 00-0578 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	886.04	
26 24 19 00-0579 EA 2.4/4.8 KV Control Transformer 4 KVA Max.....	2,638.80	
26 24 19 00-0580 EA 2.4/4.8 KV Pushbuttons Each.....	169.00	
26 24 19 00-0581 EA 2.4/4.8 KV Selector Switch Each.....	560.11	
26 24 19 00-0582 EA 2.4/4.8 KV Indicating Light.....	169.00	
26 24 19 00-0583 EA 2.4/4.8 KV Push To Test Light.....	511.82	
26 24 19 00-0584 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,361.65	
26 24 19 00-0585 EA 2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,361.65	
26 24 19 00-0586 EA 2.4/4.8 KV Power Factor Meter.....	4,072.87	
26 24 19 00-0587 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,807.79	
26 24 19 00-0588 EA 2.4/4.8 KV Operation Counter.....	548.63	18.40
26 24 19 00-0589 EA 2.4/4.8 KV Phase Failure Protection.....	3,942.08	61.36
26 24 19 00-0590 EA 2.4/4.8 KV Ground Protection.....	7,526.28	30.68
26 24 19 00-0591 EA 2.4/4.8 KV Synchronous Motor DC Protection.....	3,003.86	30.68
26 24 19 00-0592 EA 2.4/4.8 KV Lightning Arresters.....	5,496.84	18.40
26 24 19 00-0593 EA 2.4/4.8 KV Portable Lifting Mechanism.....	7,958.93	
26 24 19 00-0594 EA 2.4/4.8 KV Auxiliary Timing Relay.....	828.09	61.36
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Control Relay.....	589.17	61.36
26 24 19 00-0596 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0483)		
Note: 3 Pole. Includes structure.		
26 24 19 00-0597 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included.....	1,394.51	368.01
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included.....	2,419.74	651.39
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	2,890.74	834.05
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	4,641.46	1,343.07
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	5,461.54	1,477.37
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	7,057.44	1,638.54
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included.....	8,213.27	1,920.59
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included.....	14,233.07	2,237.55
26 24 19 00-0605 Main Lugs Only (26 24 19 00-0483)		
26 24 19 00-0606 EA 600 Amperes Incoming Section, Main Lugs.....	1,105.77	470.08
26 24 19 00-0607 EA 800 Amperes Incoming Section, Main Lugs.....	1,200.86	470.08



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0608	EA	1,200 Amperes Incoming Section, Main Lugs.....	1,683.05		738.69
26 24 19 00-0609	EA	2,000 Amperes Incoming Section, Main Lugs.....	4,141.35		1,343.07
26 24 19 00-0610	EA	3,000 Amperes Incoming Section, Main Lugs.....	6,299.83		1,947.45
26 24 19 00-0611	EA	4,000 Amperes Incoming Section, Main Lugs.....	8,996.97		2,686.14
26 24 19 00-0612 Incoming Main Circuit Breaker Structure (26 24 19 00-0483)					
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.					
26 24 19 00-0613	EA	225 Amperes, Main Circuit Breaker Section	7,466.30		649.91
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0614	EA	400 Amperes, Main Circuit Breaker Section	15,850.24		834.85
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0615	EA	600 Amperes, Main Circuit Breaker Section	16,456.48		1,300.36
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0616	EA	800 Amperes, Main Circuit Breaker Section	23,383.29		1,300.36
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0617	EA	1,200 Amperes, Main Circuit Breaker Section	33,845.42		1,471.33
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0618 Incoming Fusible Main Disconnect Section (26 24 19 00-0483)					
Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.					
26 24 19 00-0619	EA	200 Amperes, Fusible Main Disconnect Section.....	6,482.88		650.72
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0620	EA	400 Amperes, Fusible Main Disconnect Section.....	8,951.22		835.26
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0621	EA	600 Amperes, Fusible Main Disconnect Section.....	17,487.91		1,301.43
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0622	EA	800 Amperes, Fusible Main Disconnect Section.....	20,329.41		1,301.43
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0623	EA	1,200 Amperes, Fusible Main Disconnect Section.....	28,632.15		1,472.67
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00		
		For NEMA 1 With Gaskets, Add	97.00		
		For NEMA 12, Add	245.00		
		For 20" Cabinet Depth, Add	108.00		
26 24 19 00-0624 Circuit Breaker Combination Starters (26 24 19 00-0483)					
26 24 19 00-0625 Class I, Type A (26 24 19 00-0624)					
26 24 19 00-0626	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	1,162.13		272.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	155.45		
26 24 19 00-0627	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,351.32		272.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	172.19		
26 24 19 00-0628	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,960.51		386.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	231.56		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0629 EA Size 4, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,187.91 305.24	509.03
26 24 19 00-0630 EA Size 5, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,700.67 381.55	636.61
26 24 19 00-0631 Class I, Type B (26 24 19 00-0624)		
26 24 19 00-0632 EA Size 1, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,099.06 134.31	237.72
26 24 19 00-0633 EA Size 2, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,281.52 151.25	237.72
26 24 19 00-0634 EA Size 3, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,877.39 206.63	343.83
26 24 19 00-0635 EA Size 4, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,103.12 279.80	466.04
26 24 19 00-0636 EA Size 5, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,632.29 361.04	594.98
26 24 19 00-0637 Class I, Type C (26 24 19 00-0624)		
26 24 19 00-0638 EA Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,156.65 121.66	220.26
26 24 19 00-0639 EA Size 2, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,351.09 142.88	220.26
26 24 19 00-0640 EA Size 3, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,006.28 197.51	329.05
26 24 19 00-0641 EA Size 4, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,239.65 272.98	455.30
26 24 19 00-0642 EA Size 5, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,758.73 349.76	584.24
26 24 19 00-0643 Class II, Type B (26 24 19 00-0624)		
26 24 19 00-0644 EA Size 1, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,167.45 184.49	326.36
26 24 19 00-0645 EA Size 2, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,606.64 205.99	326.36
26 24 19 00-0646 EA Size 3, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,272.57 260.28	435.16
26 24 19 00-0647 EA Size 4, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,698.56 335.77	557.37
26 24 19 00-0648 EA Size 5, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,644.80 409.47	680.94
26 24 19 00-0649 Class II, Type C (26 24 19 00-0624)		
26 24 19 00-0650 EA Size 1, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,449.64 176.72	308.91
26 24 19 00-0651 EA Size 2, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,663.08 192.97	308.91
26 24 19 00-0652 EA Size 3, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,408.13 252.46	421.72
26 24 19 00-0653 EA Size 4, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,825.22 325.99	543.95
26 24 19 00-0654 EA Size 5, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,790.01 404.54	671.53
26 24 19 00-0655 Fused Disconnect Combination Starter (26 24 19 00-0483)		
26 24 19 00-0656 Class I, Type A (26 24 19 00-0655)		
26 24 19 00-0657 EA Size 1, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,062.27 151.25	251.15
26 24 19 00-0658 EA Size 2, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,597.13 205.99	343.83
26 24 19 00-0659 EA Size 3, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,526.18 268.61	447.24
26 24 19 00-0660 EA Size 4, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,457.79 377.27	627.21
26 24 19 00-0661 EA Size 5, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,019.82 479.67	799.13
26 24 19 00-0662 Class I, Type B (26 24 19 00-0655)		
26 24 19 00-0663 EA Size 1, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,077.66 134.31	224.29
26 24 19 00-0664 EA Size 2, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,452.13 184.49	307.56
26 24 19 00-0665 EA Size 3, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,143.11 246.89	410.98
26 24 19 00-0666 EA Size 4, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,573.37 357.20	593.64



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0667 EA Size 5, Class I, Type B Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6,116.86 453.74	754.81
26 24 19 00-0668 Class I, Type C (26 24 19 00-0655)		
26 24 19 00-0669 EA Size 1, Class I, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,137.12 125.76	209.52
26 24 19 00-0670 EA Size 2, Class I, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,529.18 172.19	284.73
26 24 19 00-0671 EA Size 3, Class I, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,323.52 239.84	396.20
26 24 19 00-0672 EA Size 4, Class I, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,752.49 349.76	584.24
26 24 19 00-0673 EA Size 5, Class I, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,790.39 447.69	746.74
26 24 19 00-0674 Class II, Type B (26 24 19 00-0655)		
26 24 19 00-0675 EA Size 1, Class II, Type B Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,363.35 188.63	314.28
26 24 19 00-0676 EA Size 2, Class II, Type B Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,759.37 234.80	392.17
26 24 19 00-0677 EA Size 3, Class II, Type B Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,543.12 302.49	505.00
26 24 19 00-0678 EA Size 4, Class II, Type B Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,123.26 409.47	680.94
26 24 19 00-0679 EA Size 5, Class II, Type B Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,030.04 508.74	850.16
26 24 19 00-0680 Class II, Type C (26 24 19 00-0655)		
26 24 19 00-0681 EA Size 1, Class II, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,411.60 176.72	295.47
26 24 19 00-0682 EA Size 2, Class II, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,835.96 222.36	370.69
26 24 19 00-0683 EA Size 3, Class II, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,692.85 289.46	482.16
26 24 19 00-0684 EA Size 4, Class II, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,283.95 399.72	664.82
26 24 19 00-0685 EA Size 5, Class II, Type C Fused Disconnect Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,184.10 493.78	823.30
26 24 19 00-0686 Space Complete With Bus And Hardware (26 24 19 00-0483)		
26 24 19 00-0687 Circuit Breaker Type (26 24 19 00-0686)		
26 24 19 00-0688 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	329.37	91.33
26 24 19 00-0689 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	329.37	91.33
26 24 19 00-0690 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	489.31	132.97
26 24 19 00-0691 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	582.03	174.60
26 24 19 00-0692 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	974.99	265.93
26 24 19 00-0693 Fused Disconnect Type (26 24 19 00-0686)		
26 24 19 00-0694 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	329.37	91.33
26 24 19 00-0695 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	437.58	132.97
26 24 19 00-0696 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	607.34	174.60
26 24 19 00-0697 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	1,045.62	265.93
26 24 19 00-0698 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,458.78	386.80
26 24 19 00-0699 Blank Space For Future Expansion (26 24 19 00-0686)		
Note: Factory modified no labor costs.		
26 24 19 00-0700 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	147.39	
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	147.39	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	223.46	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	223.46	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	444.55	
26 24 19 00-0705 Structure Combination Of Starters To 72" High (26 24 19 00-0686)		
26 24 19 00-0706 EA Structure Combination Of Starters To 72" High	3,809.77	706.86
26 24 19 00-0707 Motor Control Center Basic Distribution Section (26 24 19 00-0483)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0708 EA 20" Wide Basic Section With Vertical Wireway	6,430.37	1,840.81
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0709 EA 25" To 35" Wide Basic Section (No Vertical Wireway)	6,430.37	1,840.81
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0710 EA 25" Wide Basic Section With 9" Wide Vertical Wireway	7,078.06	1,840.81
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711 EA Corner Section	7,078.06	1,840.81
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712 Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0483)		
Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0713 FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0712)		
26 24 19 00-0714 EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,644.04	258.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	155.11	
26 24 19 00-0715 EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,829.80	286.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	172.04	
26 24 19 00-0716 EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	3,159.81	385.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	231.30	
26 24 19 00-0717 EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	4,577.49	508.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	304.97	
26 24 19 00-0718 EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	10,376.63	635.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	381.12	
26 24 19 00-0719 EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	24,174.75	635.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	381.12	
26 24 19 00-0720 EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,655.65	223.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.16	
26 24 19 00-0721 EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,867.25	251.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	151.09	
26 24 19 00-0722 EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	3,225.01	343.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	206.29	
26 24 19 00-0723 EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	4,575.65	466.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	279.65	
26 24 19 00-0724 EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	10,392.23	601.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	361.04	
26 24 19 00-0725 EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	24,338.82	601.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	361.04	
26 24 19 00-0726 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker (26 24 19 00-0712)		
26 24 19 00-0727 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,623.05	323.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	194.09	
26 24 19 00-0728 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,213.69	357.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.78	
26 24 19 00-0729 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,284.07	481.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	288.62	
26 24 19 00-0730 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	9,068.92	635.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	381.55	
26 24 19 00-0731 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	16,338.58	795.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	477.40	
26 24 19 00-0732 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,658.59	279.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	167.60	
26 24 19 00-0733 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,276.31	314.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.99	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Switchboards and Panelboards		26 24	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0734	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,372.78 258.28	430.45
26 24 19 00-0735	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,086.76 349.76	582.89
26 24 19 00-0736	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,376.76 451.70	752.79
26 24 19 00-0737 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0712)				
26 24 19 00-0738	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,870.68 194.09	323.55
26 24 19 00-0739	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,073.80 214.78	357.93
26 24 19 00-0740	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,666.28 288.62	481.09
26 24 19 00-0741	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,437.50 381.55	635.94
26 24 19 00-0742	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,870.24 477.40	795.63
26 24 19 00-0743	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,906.22 167.60	279.36
26 24 19 00-0744	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,136.42 188.99	314.95
26 24 19 00-0745	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,754.99 258.28	430.45
26 24 19 00-0746	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,455.33 349.76	582.89
26 24 19 00-0747	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,908.41 451.70	752.79
26 24 19 00-0748 Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0483)				
Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.				
26 24 19 00-0749 FVNR Starters With Fusible Disconnect (26 24 19 00-0748)				
26 24 19 00-0750	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,331.25	252.09
26 24 19 00-0751	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,736.85	342.61
26 24 19 00-0752	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,882.29	446.43
26 24 19 00-0753	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	4,846.55	628.83
26 24 19 00-0754	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	9,686.53	799.40
26 24 19 00-0755	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	24,418.93	799.40
26 24 19 00-0756	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,354.52	223.49
26 24 19 00-0757	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,772.75	306.89
26 24 19 00-0758	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,960.84	411.51
26 24 19 00-0759	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	4,862.22	595.38
26 24 19 00-0760	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	9,682.64	756.28
26 24 19 00-0761	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	24,563.62	756.28
26 24 19 00-0762 Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0748)				
26 24 19 00-0763	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,280.36	315.62
26 24 19 00-0764	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,176.03	428.31
26 24 19 00-0765	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,905.92	557.77
26 24 19 00-0766	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	10,241.81	788.24
26 24 19 00-0767	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	16,623.51	922.42
26 24 19 00-0768	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,330.62	279.36
26 24 19 00-0769	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,234.65	383.32
26 24 19 00-0770	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	5,010.22	514.93
26 24 19 00-0771	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	10,274.96	742.85
26 24 19 00-0772	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	16,642.18	869.91
26 24 19 00-0773 Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0748)				
26 24 19 00-0774	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,653.46	315.62
26 24 19 00-0775	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,049.34	428.31
26 24 19 00-0776	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,312.89	557.77
26 24 19 00-0777	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,743.68	788.24
26 24 19 00-0778	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	20,233.97	922.42
26 24 19 00-0779	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,704.82	279.36
26 24 19 00-0780	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,107.96	383.32
26 24 19 00-0781	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,417.19	514.93
26 24 19 00-0782	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,776.82	742.85
26 24 19 00-0783	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	20,252.64	869.91
26 24 19 00-0784 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0483)				
Note: Per section. Labor is included in basic distribution section.				
26 24 19 00-0785	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.56 10.09	
26 24 19 00-0786	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	348.40 10.09	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0787 EA 1,200 Amperes, Horizontal Tin Plated Copper Bus Kit.....	418.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.11	
26 24 19 00-0788 EA 1,600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	544.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.11	
26 24 19 00-0789 EA 2,000 Amperes, Horizontal Tin Plated Copper Bus Kit.....	912.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.12	
26 24 19 00-0790 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	163.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07	
26 24 19 00-0791 Disconnect (Safety) Switch For Motor Control Centers (26 24 19 00-0483)		
26 24 19 00-0792 3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0791)		
Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0793 EA 150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,358.81	194.08
26 24 19 00-0794 EA 150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,476.62	214.89
26 24 19 00-0795 EA 225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,999.84	289.43
26 24 19 00-0796 EA 400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,055.89	381.43
26 24 19 00-0797 EA 600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	8,879.41	476.79
26 24 19 00-0798 EA 800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	10,182.32	476.79
26 24 19 00-0799 EA 1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	21,282.27	596.99
26 24 19 00-0800 Fusible Disconnect (Safety) Switch For Motor Control Center (26 24 19 00-0791)		
Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0801 EA 30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	922.18	188.70
26 24 19 00-0802 EA 60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	1,092.24	257.19
26 24 19 00-0803 EA 100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,493.44	329.05
26 24 19 00-0804 EA 200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,763.81	471.42
26 24 19 00-0805 EA 400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	4,875.67	599.55
26 24 19 00-0806 EA 600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	11,082.96	599.55
26 24 19 00-0807 EA 800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	13,702.23	749.44
26 24 19 00-0808 EA 1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	20,200.07	749.44
26 24 19 00-0809 Control Circuit Transformer (26 24 19 00-0483)		
26 24 19 00-0810 EA Control Circuit Transformer, Size 1 Factory Installed.....	78.63	
26 24 19 00-0811 EA Control Circuit Transformer, Size 2 Factory Installed.....	78.63	
26 24 19 00-0812 EA Control Circuit Transformer, Size 3 Factory Installed.....	151.44	
26 24 19 00-0813 EA Control Circuit Transformer, Size 4 Factory Installed.....	151.44	
26 24 19 00-0814 EA Control Circuit Transformer, Size 5 Factory Installed.....	210.39	
26 24 19 00-0815 EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	60.60	15.20
26 24 19 00-0816 Cover Mounted Control Devices (26 24 19 00-0483)		
26 24 19 00-0817 EA Control Device, 2 Unit Push Button Station Cover Mounted.....	134.59	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.79	
26 24 19 00-0818 EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	151.49	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.99	
26 24 19 00-0819 EA Control Device, Pilot Light Cover Mounted.....	126.37	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.57	
26 24 19 00-0820 EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	346.57	91.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.04	
26 24 19 00-0821 EA Auxiliary Contact Add Per Starter.....	408.08	34.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.88	
26 24 19 00-0822 Extra Interlocks (26 24 19 00-0483)		
Note: Per contact.		
26 24 19 00-0823 EA Extra Interlocks, Class I, Type A Per Contact.....	87.94	17.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.57	
26 24 19 00-0824 EA Extra Interlocks, Class I, Type B Per Contact.....	120.81	17.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.57	
26 24 19 00-0825 EA Extra Interlocks, Class I, Type C Per Contact.....	133.59	17.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.49	
26 24 19 00-0826 EA Extra Interlocks, Class II, Type B Per Contact.....	120.01	17.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 24 19 00-0827 EA Extra Interlocks, Class II, Type C Per Contact.....	126.31	17.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.34	
26 24 19 00-0828 Special Cabinet Provisions (26 24 19 00-0483)		
26 24 19 00-0829 EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	984.36	
26 24 19 00-0830 Nameplate Requirements (26 24 19 00-0483)		
26 24 19 00-0831 EA Special Cabinet Nameplate Requirements.....	34.95	
26 24 19 00-0832 Auxiliary Relays (26 24 19 00-0483)		



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Switchboards and Panelboards	26 24	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 24 19 00-0833	EA Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	196.69 20.18		33.63
26 24 19 00-0834	EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.17 20.18		30.26
26 24 19 00-0835	EA General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.70 20.18		30.26
26 24 19 00-0836	Motor Control Center Accessories (26 24 19 00-0483)			
26 24 19 00-0837	Lighting Transformer With Circuit Breaker (26 24 19 00-0836) Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.			
26 24 19 00-0838	EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,757.52		430.62
26 24 19 00-0839	EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,986.13		447.84
26 24 19 00-0840	EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,548.50		482.29
26 24 19 00-0841	EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,219.82		516.74
26 24 19 00-0842	EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,032.49		551.18
26 24 19 00-0843	EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,544.61		620.09
26 24 19 00-0844	EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	17,779.85		688.98
26 24 19 00-0845	EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,407.62		568.41
26 24 19 00-0846	EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,307.69		620.09
26 24 19 00-0847	EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,930.07		688.98
26 24 19 00-0848	EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,721.10		757.88
26 24 19 00-0849	EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	16,542.66		826.78
26 24 19 00-0850	EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	17,074.82		895.68
26 24 19 00-0851	Bolt-On Lighting Panel (26 24 19 00-0836) Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.			
26 24 19 00-0852	EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,465.70		698.94
26 24 19 00-0853	EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,852.84		1,216.55
26 24 19 00-0854	EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	5,122.14		1,645.93
26 24 19 00-0855	EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,580.30		756.28
26 24 19 00-0856	EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,801.07		1,190.63
26 24 19 00-0857	EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	5,327.88		1,748.81
26 24 19 00-0858	EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,137.18		810.68
26 24 19 00-0859	EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	5,523.23		1,301.43
26 24 19 00-0860	EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	6,909.41		1,748.81
26 24 19 00-0861	EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,264.68		874.34
26 24 19 00-0862	EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	5,523.23		1,301.43
26 24 19 00-0863	EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	7,022.23		1,805.22
26 24 19 00-0864	Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0836) Note: For MCC lighting panel only.			
26 24 19 00-0865	EA 15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker.....	38.93		
26 24 19 00-0866	EA 15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	303.36		
26 24 19 00-0867	EA 15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker.....	76.09		
26 24 19 00-0868	EA 60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker.....	175.19		
26 24 19 00-0869	EA 15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker.....	205.27		
26 24 19 00-0870	EA 60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker.....	311.44		
26 24 19 00-0871	Blank Unit Door (BUD) (26 24 19 00-0836) Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.			
26 24 19 00-0872	EA 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	80.90		
26 24 19 00-0873	EA 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	97.08		
26 24 19 00-0874	EA 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	145.61		
26 24 19 00-0875	EA 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	194.15		
26 24 19 00-0876	EA 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	291.23		
26 24 19 00-0877	EA 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	339.77		
26 24 19 00-0878	EA 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	388.31		
26 25	Enclosed Bus Assemblies (26 20)			
26 25 13	Low-Voltage Busways (26 25)			
26 25 13 00-0001	Plug-In Bus Duct (26 25 13) Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.			
26 25 13 00-0002	600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0001)			
26 25 13 00-0003	LF 225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	294.61		40.29
	<i>For Up To 25, Add</i>	73.65		
	<i>For >25 To 50, Add</i>	44.19		
	<i>For >50 To 100, Add</i>	22.10		
26 25 13 00-0004	LF 400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	413.21		40.29
	<i>For Up To 25, Add</i>	103.30		
	<i>For >25 To 50, Add</i>	61.98		
	<i>For >50 To 100, Add</i>	30.99		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0005	LF		600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	521.92	53.73
			For Up To 25, Add	130.48	
			For >25 To 50, Add	78.29	
			For >50 To 100, Add	39.14	
26 25 13 00-0006	LF		800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	715.58	53.73
			For Up To 25, Add	178.90	
			For >25 To 50, Add	107.34	
			For >50 To 100, Add	53.67	
26 25 13 00-0007	LF		1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	755.23	67.15
			For Up To 25, Add	188.81	
			For >25 To 50, Add	113.28	
			For >50 To 100, Add	56.64	
26 25 13 00-0008	LF		1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,045.96	67.15
			For Up To 25, Add	261.49	
			For >25 To 50, Add	156.89	
			For >50 To 100, Add	78.45	
26 25 13 00-0009	LF		1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,221.05	70.51
			For Up To 25, Add	305.26	
			For >25 To 50, Add	183.16	
			For >50 To 100, Add	91.58	
26 25 13 00-0010	LF		2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,482.04	72.52
			For Up To 25, Add	370.51	
			For >25 To 50, Add	222.31	
			For >50 To 100, Add	111.15	
26 25 13 00-0011	LF		2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,824.52	76.55
			For Up To 25, Add	456.13	
			For >25 To 50, Add	273.68	
			For >50 To 100, Add	136.84	
26 25 13 00-0012	LF		3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,107.02	89.32
			For Up To 25, Add	526.76	
			For >25 To 50, Add	316.05	
			For >50 To 100, Add	158.03	
26 25 13 00-0013	LF		4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,436.27	97.37
			For Up To 25, Add	609.07	
			For >25 To 50, Add	365.44	
			For >50 To 100, Add	182.72	
26 25 13 00-0014			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0001)		
26 25 13 00-0015	LF		225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	472.63	40.29
			For Up To 25, Add	118.16	
			For >25 To 50, Add	70.89	
			For >50 To 100, Add	35.45	
26 25 13 00-0016	LF		400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	678.40	40.29
			For Up To 25, Add	169.60	
			For >25 To 50, Add	101.76	
			For >50 To 100, Add	50.88	
26 25 13 00-0017	LF		600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	767.04	53.73
			For Up To 25, Add	191.76	
			For >25 To 50, Add	115.06	
			For >50 To 100, Add	57.53	
26 25 13 00-0018	LF		800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	972.48	53.73
			For Up To 25, Add	243.12	
			For >25 To 50, Add	145.87	
			For >50 To 100, Add	72.94	
26 25 13 00-0019	LF		1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,184.06	67.15
			For Up To 25, Add	296.02	
			For >25 To 50, Add	177.61	
			For >50 To 100, Add	88.80	
26 25 13 00-0020	LF		1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,529.38	67.15
			For Up To 25, Add	382.35	
			For >25 To 50, Add	229.41	
			For >50 To 100, Add	114.70	
26 25 13 00-0021	LF		1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,973.85	69.57
			For Up To 25, Add	493.46	
			For >25 To 50, Add	296.08	
			For >50 To 100, Add	148.04	
26 25 13 00-0022	LF		2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,373.33	72.52
			For Up To 25, Add	593.33	
			For >25 To 50, Add	356.00	
			For >50 To 100, Add	178.00	
26 25 13 00-0023	LF		2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,938.73	75.88
			For Up To 25, Add	734.68	
			For >25 To 50, Add	440.81	
			For >50 To 100, Add	220.40	
26 25 13 00-0024	LF		3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,392.68	89.32
			For Up To 25, Add	848.17	
			For >25 To 50, Add	508.90	
			For >50 To 100, Add	254.45	
26 25 13 00-0025	LF		4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,930.61	97.37
			For Up To 25, Add	982.65	
			For >25 To 50, Add	589.59	
			For >50 To 100, Add	294.80	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Enclosed Bus Assemblies		26 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0026 Cable Tap Boxes (26 25 13 00-0001)		
26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0028 EA 225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,371.48	188.03
26 25 13 00-0029 EA 400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,458.44	188.03
26 25 13 00-0030 EA 600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,662.39	255.18
26 25 13 00-0031 EA 800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,838.43	255.18
26 25 13 00-0032 EA 1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,047.83	335.77
26 25 13 00-0033 EA 1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,340.61	335.77
26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0035 EA 225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,458.44	369.35
26 25 13 00-0036 EA 400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,677.80	369.35
26 25 13 00-0037 EA 600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,867.89	503.65
26 25 13 00-0038 EA 800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,223.64	503.65
26 25 13 00-0039 EA 1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,397.32	671.53
26 25 13 00-0040 EA 1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,862.41	671.53
26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker (26 25 13 00-0001)		
26 25 13 00-0042 240 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0043 EA 60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,080.48	134.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.47	
26 25 13 00-0044 EA 100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,125.76	134.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.32	
26 25 13 00-0045 600 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0046 EA 60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,056.28	134.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.47	
26 25 13 00-0047 EA 100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,662.97	134.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.32	
26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0049 EA 60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,243.93	161.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.94	
26 25 13 00-0050 EA 100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,488.18	161.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.93	
26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0052 EA 60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,418.23	161.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.94	
26 25 13 00-0053 EA 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,170.71	161.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.93	
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,211.63	557.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	241.56	
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,641.45	557.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	524.63	
26 25 13 00-0056 EA 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,603.44	1,611.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	729.93	
26 25 13 00-0057 EA 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	10,937.82	1,611.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,291.41	
26 25 13 00-0058 Bus Duct Plug-In Fusible Switch (26 25 13 00-0001)		
26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0060 EA 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,078.08	134.31
26 25 13 00-0061 EA 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,187.06	134.31
26 25 13 00-0062 EA 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,636.10	161.17
26 25 13 00-0063 EA 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,764.65	322.33
26 25 13 00-0064 EA 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,957.89	725.26
26 25 13 00-0065 EA 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,451.66	1,262.48
26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0067 EA 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,117.15	147.74
26 25 13 00-0068 EA 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,223.55	147.74
26 25 13 00-0069 EA 100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,646.76	147.74
26 25 13 00-0070 EA 200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,827.66	308.91
26 25 13 00-0071 EA 400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,922.02	698.40
26 25 13 00-0072 EA 600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,706.03	1,343.07
26 25 13 00-0073 EA 800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,459.45	1,745.99
26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse (26 25 13 00-0058)		
26 25 13 00-0075 EA 30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,246.45	174.60

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0076 EA 60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,342.74	174.60
26 25 13 00-0077 EA 100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,814.94	174.60
26 25 13 00-0078 EA 200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	3,075.51	362.62
26 25 13 00-0079 EA 400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	7,644.18	805.84
26 25 13 00-0080 EA 600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	11,136.69	1,235.63
26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0082 EA 30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,286.54	174.60
26 25 13 00-0083 EA 60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,382.82	148.14
26 25 13 00-0084 EA 100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,933.65	201.46
26 25 13 00-0085 EA 200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	3,202.72	362.62
26 25 13 00-0086 EA 400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	7,644.18	805.84
26 25 13 00-0087 EA 600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	11,136.69	1,235.63
26 25 13 00-0088 EA 800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	17,555.95	1,638.54
26 25 16 Low-Voltage Cablebus Systems (26 25)		
26 25 16 00-0001 Feeder Bus Duct (26 25 16)		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 16 00-0001)		
Note: Copper conductors.		
26 25 16 00-0003 LF 800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	852.55	56.41
For Up To 25, Add	213.14	
For >25 To 50, Add	127.88	
For >50 To 100, Add	63.94	
26 25 16 00-0004 LF 1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	864.97	56.41
For Up To 25, Add	216.24	
For >25 To 50, Add	129.75	
For >50 To 100, Add	64.87	
26 25 16 00-0005 LF 1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,129.32	56.41
For Up To 25, Add	282.33	
For >25 To 50, Add	169.40	
For >50 To 100, Add	84.70	
26 25 16 00-0006 LF 1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,354.60	56.41
For Up To 25, Add	338.65	
For >25 To 50, Add	203.19	
For >50 To 100, Add	101.60	
26 25 16 00-0007 LF 2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,654.57	56.41
For Up To 25, Add	413.64	
For >25 To 50, Add	248.19	
For >50 To 100, Add	124.09	
26 25 16 00-0008 LF 3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	2,258.44	134.31
For Up To 25, Add	564.61	
For >25 To 50, Add	338.77	
For >50 To 100, Add	169.38	
26 25 16 00-0009 LF 4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	3,118.24	134.31
For Up To 25, Add	779.56	
For >25 To 50, Add	467.74	
For >50 To 100, Add	233.87	
26 25 16 00-0010 LF 5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	3,689.37	134.31
For Up To 25, Add	922.34	
For >25 To 50, Add	553.41	
For >50 To 100, Add	276.70	
26 25 16 00-0011 LF 6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	4,541.85	134.31
For Up To 25, Add	1,135.46	
For >25 To 50, Add	681.28	
For >50 To 100, Add	340.64	
26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated (26 25 16 00-0001)		
Note: Low impedance, copper conductors.		
26 25 16 00-0013 LF 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports.....	975.82	60.44
For Up To 25, Add	243.96	
For >25 To 50, Add	146.37	
For >50 To 100, Add	73.19	
26 25 16 00-0014 LF 1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports.....	992.35	60.44
For Up To 25, Add	248.09	
For >25 To 50, Add	148.85	
For >50 To 100, Add	74.43	
26 25 16 00-0015 LF 1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports.....	1,274.62	60.44
For Up To 25, Add	318.66	
For >25 To 50, Add	191.19	
For >50 To 100, Add	95.60	
26 25 16 00-0016 LF 1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports.....	1,510.83	60.44
For Up To 25, Add	377.71	
For >25 To 50, Add	226.62	
For >50 To 100, Add	113.31	
26 25 16 00-0017 LF 2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports.....	1,824.23	60.44
For Up To 25, Add	456.06	
For >25 To 50, Add	273.63	
For >50 To 100, Add	136.82	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Enclosed Bus Assemblies		26 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0018 LF 3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	2,800.26 700.07 420.04 210.02	103.42
26 25 16 00-0019 LF 4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	3,511.67 877.92 526.75 263.38	103.42
26 25 16 00-0020 LF 5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	4,155.62 1,038.91 623.34 311.67	192.06
26 25 16 00-0021 LF 6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	5,121.69 1,280.42 768.25 384.13	192.06

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

26 27 13 00-0003 EA 100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	321.57	87.30
26 27 13 00-0004 EA 100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	341.82	87.30
26 27 13 00-0005 EA 150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	379.52	97.37
26 27 13 00-0006 EA 150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	392.52	97.37
26 27 13 00-0007 EA 200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	437.48	107.44
26 27 13 00-0008 EA 200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	443.23	107.44
26 27 13 00-0009 EA 200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,143.67	170.57
26 27 13 00-0010 EA 320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,469.19	190.71
26 27 13 00-0011 EA 400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	3,255.80	210.86
26 27 13 00-0012 EA Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	3,254.81	671.53

26 27 13 00-0013 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

26 27 13 00-0014 EA 100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	327.46	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.52	
26 27 13 00-0015 EA 150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	388.06	27.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.72	
26 27 13 00-0016 EA 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	475.89	28.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.92	
26 27 13 00-0017 EA 200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	933.13	28.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.15	
26 27 13 00-0018 EA 320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,308.77	30.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.16	
26 27 13 00-0019 EA 400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	2,125.76	33.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.18	

26 27 13 00-0020 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0021 EA 18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	660.15	174.60

26 27 13 00-0022 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

26 27 13 00-0023 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0022)

26 27 13 00-0024 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,281.03	83.94
26 27 13 00-0025 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,687.82	100.73
26 27 13 00-0026 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,092.45	117.51
26 27 13 00-0027 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,425.06	134.31
26 27 13 00-0028 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,161.44	151.09
26 27 13 00-0029 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,413.28	167.89
26 27 13 00-0030 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,982.45	201.46

26 27 13 00-0031 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole (26 27 13 00-0022)

26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,372.36	83.94
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,126.20	100.73
26 27 13 00-0034 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,306.51	134.31
26 27 13 00-0035 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,776.59	151.09
26 27 13 00-0036 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	6,010.62	167.89

26 27 13 00-0037 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0022)

26 27 13 00-0038 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,963.68	117.51

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0039 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,582.21	134.31
26 27 13 00-0040 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,161.44	151.09
26 27 13 00-0041 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,718.85	167.89
26 27 13 00-0042 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,690.95	184.67
26 27 13 00-0043 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,920.98	201.46
26 27 13 00-0044 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,101.27	235.04
26 27 13 00-0045 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0022)		
26 27 13 00-0046 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,050.63	117.51
26 27 13 00-0047 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,000.92	134.31
26 27 13 00-0048 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,639.57	167.89
26 27 13 00-0049 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,044.19	184.67
26 27 13 00-0050 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,736.53	201.46
26 27 13 00-0051 120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0052 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0051)		
26 27 13 00-0053 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,393.17	100.73
26 27 13 00-0054 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,823.99	117.51
26 27 13 00-0055 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,252.63	134.31
26 27 13 00-0056 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,615.78	151.09
26 27 13 00-0057 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,216.85	167.89
26 27 13 00-0058 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,468.68	184.67
26 27 13 00-0059 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	4,277.95	218.25
26 27 13 00-0060 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0051)		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,493.24	100.73
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,290.74	117.51
26 27 13 00-0063 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,754.76	151.09
26 27 13 00-0064 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,224.87	167.89
26 27 13 00-0065 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,327.97	184.67
26 27 13 00-0066 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0051)		
26 27 13 00-0067 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,075.86	134.31
26 27 13 00-0068 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,703.12	151.09
26 27 13 00-0069 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,347.83	167.89
26 27 13 00-0070 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,905.25	184.67
26 27 13 00-0071 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,921.04	201.46
26 27 13 00-0072 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,151.00	218.25
26 27 13 00-0073 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,418.65	251.82
26 27 13 00-0074 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0051)		
26 27 13 00-0075 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,193.37	134.31
26 27 13 00-0076 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,209.13	151.09
26 27 13 00-0077 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,044.23	184.67
26 27 13 00-0078 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,317.87	201.46
26 27 13 00-0079 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	8,032.08	218.25
26 27 13 00-0080 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0081 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0080)		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,281.03	83.94
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,687.82	100.73
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,425.06	134.31
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,161.44	151.09
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,915.29	167.89
26 27 13 00-0087 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0080)		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,372.35	83.94
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,126.18	100.73
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,524.76	134.31
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,994.85	151.09
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,010.62	167.89



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Distribution Equipment		26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0093 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0080)		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,963.68	117.51
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,582.21	134.31
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,718.85	167.89
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,690.95	184.67
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,920.98	201.46
26 27 13 00-0099 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0080)		
26 27 13 00-0100 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,050.65	117.51
26 27 13 00-0101 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,000.92	134.31
26 27 13 00-0102 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,639.57	167.89
26 27 13 00-0103 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,044.19	184.67
26 27 13 00-0104 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,736.58	201.46
26 27 13 00-0105 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0106 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,393.17	100.73
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,823.99	117.51
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,615.78	151.09
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,435.11	167.89
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,905.21	184.67
26 27 13 00-0112 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,493.22	100.73
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,290.72	117.51
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,536.50	151.09
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,006.61	167.89
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,327.93	184.67
26 27 13 00-0118 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,075.84	134.31
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,703.09	151.09
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,905.21	184.67
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,920.98	201.46
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,151.00	218.25
26 27 13 00-0124 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0125 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,193.35	134.31
26 27 13 00-0126 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,209.10	151.09
26 27 13 00-0127 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,044.19	184.67
26 27 13 00-0128 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,317.87	201.46
26 27 13 00-0129 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	8,032.08	218.25
26 27 13 00-0130 Watt/Hour Meters (26 27 13)		
26 27 13 00-0131 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure.....	1,463.77	80.58
26 27 13 00-0132 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	4,149.60	161.17
26 27 13 00-0133 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	2,190.81	120.87
26 27 13 00-0134 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,689.29	120.87
26 27 13 00-0135 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure.....	2,264.03	120.87
26 27 13 00-0136 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,538.48	111.47
26 27 13 00-0137 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,627.77	201.46
26 27 13 00-0138 Watt/Hour Meter Systems (26 27 13) Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139 Watt/Hour Meter System Without Main Breaker (26 27 13 00-0138)		
26 27 13 00-0140 EA 400 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	6,671.97	805.98
26 27 13 00-0141 EA 600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	7,848.37	805.98
26 27 13 00-0142 Watt/Hour Meter System With Main Breaker (26 27 13 00-0138)		
26 27 13 00-0143 EA 400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	11,836.93	805.98
26 27 13 00-0144 EA 600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	14,402.12	805.98

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 13 00-0145 EA 800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure 15,490.01 805.98

26 27 16 Electrical Cabinets and Enclosures (26 27)

Note: Can be used as enclosure or pull/junction boxes.

26 27 16 00-0001 NEMA 1 Enclosures, Lockable (26 27 16)

26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)

26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)

26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	84.29	26.86
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	94.48	29.55
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	104.75	32.23
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	122.30	37.61
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	133.14	40.29
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	144.75	42.98
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	144.35	42.98
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	156.24	45.66
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	168.72	48.35
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	218.99	64.47
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	265.62	77.90
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	252.45	75.21

26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)

26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	105.52	32.23
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	127.96	37.61
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	152.83	45.66
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.01	48.35
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	177.44	51.03
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	190.42	53.73
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	241.97	69.84
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	293.49	85.95
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	283.07	83.27
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	368.54	107.44
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	471.58	123.57
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	538.17	134.31
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	598.39	142.36
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	651.91	147.74
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	448.58	107.44

26 27 16 00-0032 Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)

26 27 16 00-0033 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)

26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	59.00	18.81
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	84.33	26.86
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.10	29.55

26 27 16 00-0037 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)

26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	65.94	21.49
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	81.73	26.86
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	91.33	29.55
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	101.08	32.23
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	117.96	37.61
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	128.18	40.29
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	138.94	42.98
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	138.54	42.98
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	149.78	45.66
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	161.35	48.35
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	210.98	64.47
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	261.39	80.58
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	242.51	75.21
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	314.17	96.70
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	454.88	120.87

26 27 16 00-0053 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)

26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	101.66	32.23
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	112.19	34.92
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	129.31	40.29
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	146.81	45.66
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	158.21	48.35
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	169.75	51.03
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	181.75	53.73
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	232.64	69.84
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	285.82	85.95
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	271.55	83.27
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	353.13	107.44
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	441.76	123.57



Electrical		26
Low-Voltage Electrical Distribution		26 20
Low-Voltage Distribution Equipment		26 27

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0066 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	506.79	134.31
26 27 16 00-0067 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	547.35	142.36
26 27 16 00-0068 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	599.26	147.74
26 27 16 00-0069 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0070 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	146.81	45.66
26 27 16 00-0071 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	200.51	59.10
26 27 16 00-0072 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	254.89	75.21
26 27 16 00-0073 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	316.33	94.02
26 27 16 00-0074 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	302.23	91.33
26 27 16 00-0075 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	374.41	112.82
26 27 16 00-0076 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	417.33	128.94
26 27 16 00-0077 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	484.92	136.99
26 27 16 00-0078 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	558.87	147.74
26 27 16 00-0079 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	594.74	155.79
26 27 16 00-0080 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	625.01	161.17
26 27 16 00-0081 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	641.85	161.17
26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0083 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	343.10	102.07
26 27 16 00-0084 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	451.73	131.62
26 27 16 00-0085 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	456.81	139.68
26 27 16 00-0086 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	594.74	150.42
26 27 16 00-0087 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	684.91	166.54
26 27 16 00-0088 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	760.98	171.91
26 27 16 00-0089 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	812.01	179.97
26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0091 EA 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	498.73	145.05
26 27 16 00-0092 EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	496.14	153.11
26 27 16 00-0093 EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	653.83	166.54
26 27 16 00-0094 EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	747.55	182.65
26 27 16 00-0095 EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	839.83	190.71
26 27 16 00-0096 EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	885.95	198.78
26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)		
26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,275.96	118.19
26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0103 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	118.55	21.49
26 27 16 00-0104 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	154.50	29.55
26 27 16 00-0105 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	191.22	37.61
26 27 16 00-0106 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	206.99	40.29
26 27 16 00-0107 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	232.18	42.98
26 27 16 00-0108 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	250.06	45.66
26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0110 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	171.47	32.23
26 27 16 00-0111 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	188.88	34.92
26 27 16 00-0112 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0113 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0114 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	240.26	21.49
26 27 16 00-0115 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	288.21	29.55
26 27 16 00-0116 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	325.92	32.23
26 27 16 00-0117 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	372.89	37.61
26 27 16 00-0118 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	383.54	40.29
26 27 16 00-0119 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	452.93	42.98
26 27 16 00-0120 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	486.32	45.66
26 27 16 00-0121 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	553.37	48.35
26 27 16 00-0122 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0123 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	350.87	32.23

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0124 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	396.65	34.92
26 27 16 00-0125 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	432.37	40.29
26 27 16 00-0126 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	511.39	48.35
26 27 16 00-0127 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	555.37	53.73
26 27 16 00-0128 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	771.20	69.84
26 27 16 00-0129 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,195.09	107.44
26 27 16 00-0130 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,565.31	123.57
26 27 16 00-0131 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,764.79	134.31
26 27 16 00-0132 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0133 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,632.22	136.99
26 27 16 00-0134 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,880.99	147.74
26 27 16 00-0135 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	2,067.59	155.79
26 27 16 00-0136 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	2,279.55	161.17
26 27 16 00-0137 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	2,248.17	161.17
26 27 16 00-0138 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0139 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0140 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,183.19	218.25
26 27 16 00-0141 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0142 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,252.87	241.75
26 27 16 00-0143 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	8,319.67	258.54
26 27 16 00-0144 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	9,571.19	322.33
26 27 16 00-0145 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	10,687.46	380.09
26 27 16 00-0146 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0147 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,736.83	380.09
26 27 16 00-0148 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	8,624.62	402.92
26 27 16 00-0149 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	9,795.79	429.78
26 27 16 00-0150 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	10,809.53	429.78
26 27 16 00-0151 NEMA 3 Enclosures, Lockable (26 27 16) Note: Can be used underground or encased in concrete.		
26 27 16 00-0152 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0153 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	381.22	94.02
26 27 16 00-0154 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0155 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	411.79	94.02
26 27 16 00-0156 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	534.24	97.37
26 27 16 00-0157 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	555.04	97.37
26 27 16 00-0158 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	704.95	100.73
26 27 16 00-0159 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0160 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	528.62	97.37
26 27 16 00-0161 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	583.01	97.37
26 27 16 00-0162 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	608.01	100.73
26 27 16 00-0163 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	775.09	100.73
26 27 16 00-0164 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	853.20	107.44
26 27 16 00-0165 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	918.94	114.16
26 27 16 00-0166 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	958.68	114.16
26 27 16 00-0167 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,146.53	117.51
26 27 16 00-0168 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,246.19	120.87
26 27 16 00-0169 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,717.34	134.31
26 27 16 00-0170 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0171 EA 6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	819.44	104.09
26 27 16 00-0172 EA 8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,037.56	117.51
26 27 16 00-0173 EA 8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,221.75	120.87
26 27 16 00-0174 EA 10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,413.46	124.24
26 27 16 00-0175 EA 10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,507.19	124.24
26 27 16 00-0176 EA 12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,716.83	134.31
26 27 16 00-0177 EA 12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,987.43	151.09
26 27 16 00-0178 EA 16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,872.01	144.38
26 27 16 00-0179 EA 18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,644.00	268.62
26 27 16 00-0180 EA 18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	6,360.63	335.77



Electrical		26
Low-Voltage Electrical Distribution		26 20
Low-Voltage Distribution Equipment		26 27

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0182 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,520.60	127.59
26 27 16 00-0183 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,295.48	167.89
26 27 16 00-0184 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,333.76	167.89
26 27 16 00-0185 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,152.79	251.82
26 27 16 00-0186 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,175.73	268.62
26 27 16 00-0187 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	10,674.15	470.08
26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0189 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,576.10	335.77
26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0191 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	8,617.78	402.92
26 27 16 00-0192 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,073.22	369.35
26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16) Note: Rain-tight enclosures.		
26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0196 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	114.46	26.86
26 27 16 00-0197 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	126.39	29.55
26 27 16 00-0198 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	188.63	32.23
26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	237.49	40.29
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	265.29	45.66
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	311.63	51.03
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	337.09	53.73
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	438.89	69.84
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	524.50	85.95
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	597.84	107.44
26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	911.55	136.99
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,011.54	147.74
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,140.11	155.79
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,199.53	161.17
26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,130.75	166.54
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,277.35	188.03
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,414.11	208.18
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,558.01	229.67
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,696.12	249.81
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	732.97	131.62
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,130.75	166.54
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,342.30	171.91
26 27 16 00-0221 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,703.25	188.03
26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0223 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,100.74	132.97
26 27 16 00-0224 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,234.20	149.08
26 27 16 00-0225 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,366.31	165.20
26 27 16 00-0226 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,511.23	182.65
26 27 16 00-0227 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,644.68	198.78
26 27 16 00-0228 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	822.35	99.39
26 27 16 00-0229 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,100.74	132.97
26 27 16 00-0230 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,234.20	149.08
26 27 16 00-0231 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,453.13	174.60
26 27 16 00-0232 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,644.68	198.78
26 27 16 00-0233 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,562.20	196.09
26 27 16 00-0234 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,644.68	198.78
26 27 16 00-0235 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,733.20	204.15
26 27 16 00-0236 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,932.34	214.89
26 27 16 00-0237 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	2,096.81	225.63
26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0239	4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	82.96	21.49
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	100.06	26.86
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	110.51	29.55
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	122.66	32.23
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	142.40	37.61
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	155.39	40.29
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	169.56	42.98
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	168.76	42.98
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	184.79	45.66
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	198.96	48.35
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	300.05	75.21
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	401.16	96.70
26 27 16 00-0252	6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	114.68	32.23
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	157.54	40.29
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	178.46	45.66
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	193.74	48.35
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	192.55	48.35
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	208.80	51.03
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	225.19	53.73
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	293.97	69.84
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	337.64	83.27
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	451.54	107.44
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	470.44	115.50
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	540.08	123.57
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	609.71	134.31
26 27 16 00-0266	8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	252.35	59.10
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	363.87	91.33
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	499.78	118.19
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	597.52	136.99
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	678.11	147.74
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	755.70	155.79
26 27 16 00-0273	10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	551.02	131.62
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	744.51	166.54
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	819.86	171.91
26 27 16 00-0277	12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	822.85	182.65
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,161.81	198.78
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,201.11	204.15
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,411.50	214.89
26 27 16 00-0282	NEMA 4 Enclosures, Lockable (26 27 16) Note: Water-tight enclosures.			
26 27 16 00-0283	Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)			
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	122.87	18.81
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	143.56	22.84
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	179.57	29.55
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	170.95	29.55
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	228.53	40.29
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	284.58	48.35
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	262.96	45.66
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	306.60	53.73
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	360.67	61.78
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	437.39	77.90
26 27 16 00-0294	Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)			
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	112.85	18.81
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	160.96	29.55
26 27 16 00-0297	Screw Cover, Fiberglass NEMA 4 Or 4X Enclosures (26 27 16 00-0282)			
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	141.86	25.79
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	150.74	27.94
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	185.18	36.53
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	216.39	40.29



Electrical		26
Low-Voltage Electrical Distribution		26 20
Low-Voltage Distribution Equipment		26 27

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0302 EA 14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	279.73	51.03
26 27 16 00-0303 EA 16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	327.02	60.44
26 27 16 00-0304 EA 18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	461.24	96.70
26 27 16 00-0305 NEMA 4X Enclosures, Lockable (26 27 16)		
Note: Water-tight enclosures.		
26 27 16 00-0306 Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)		
26 27 16 00-0307 EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	243.69	21.49
26 27 16 00-0308 EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	287.53	29.55
26 27 16 00-0309 EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	364.61	40.29
26 27 16 00-0310 EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	442.59	48.35
26 27 16 00-0311 EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	545.79	61.78
26 27 16 00-0312 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	644.80	77.90
26 27 16 00-0313 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)		
26 27 16 00-0314 EA 4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	301.35	18.81
For 316 Stainless Steel, Add		
	40.70	
26 27 16 00-0315 EA 6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	392.61	26.86
For 316 Stainless Steel, Add		
	52.07	
26 27 16 00-0316 EA 6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	444.64	29.55
For 316 Stainless Steel, Add		
	59.32	
26 27 16 00-0317 EA 8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	508.46	32.23
For 316 Stainless Steel, Add		
	68.46	
26 27 16 00-0318 EA 10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	624.67	40.29
For 316 Stainless Steel, Add		
	83.83	
26 27 16 00-0319 EA 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	877.09	51.03
For 316 Stainless Steel, Add		
	119.92	
26 27 16 00-0320 EA 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,092.93	61.78
For 316 Stainless Steel, Add		
	150.16	
26 27 16 00-0321 EA 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,318.52	77.90
For 316 Stainless Steel, Add		
	179.80	
26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	159.01	29.55
26 27 16 00-0324 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	179.17	32.23
26 27 16 00-0325 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	204.94	37.61
26 27 16 00-0326 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	222.85	40.29
26 27 16 00-0327 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	257.56	45.66
26 27 16 00-0328 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	241.87	45.66
26 27 16 00-0329 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	282.13	51.03
26 27 16 00-0330 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	353.86	61.78
26 27 16 00-0331 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	451.27	84.61
26 27 16 00-0332 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	579.36	121.81
26 27 16 00-0333 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	171.35	29.55
26 27 16 00-0334 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	193.74	32.23
26 27 16 00-0335 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	220.62	37.61
26 27 16 00-0336 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	241.89	40.29
26 27 16 00-0337 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	277.72	45.66
26 27 16 00-0338 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	260.93	45.66
26 27 16 00-0339 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	307.97	51.03
26 27 16 00-0340 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	367.31	61.78
26 27 16 00-0341 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	479.29	84.61
26 27 16 00-0342 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	609.60	121.81
26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	193.75	29.55
26 27 16 00-0345 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	207.18	32.23
26 27 16 00-0346 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	235.18	37.61
26 27 16 00-0347 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	254.22	40.29
26 27 16 00-0348 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	301.26	45.66
26 27 16 00-0349 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	276.61	45.66
26 27 16 00-0350 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	340.45	51.03
26 27 16 00-0351 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	404.29	61.78
26 27 16 00-0352 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	494.98	84.61
26 27 16 00-0353 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	636.49	121.81
26 27 16 00-0354 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	202.71	29.55
26 27 16 00-0355 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	223.98	32.23
26 27 16 00-0356 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	250.86	37.61
26 27 16 00-0357 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	271.02	40.29
26 27 16 00-0358 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	323.67	45.66
26 27 16 00-0359 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	295.65	45.66
26 27 16 00-0360 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	363.98	51.03
26 27 16 00-0361 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	415.49	61.78
26 27 16 00-0362 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	531.94	84.61
26 27 16 00-0363 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	675.71	121.81

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
26 27 16 00-0364	NEMA 7/9 Enclosures, Lockable (26 27 16)				
	Note: Nominal inside dimensions.				
26 27 16 00-0365	4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)				
26 27 16 00-0366	EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,792.51		151.09	
	For Mounting Pan, Add	78.89			
26 27 16 00-0367	EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,412.66		161.17	
	For Mounting Pan, Add	147.00			
26 27 16 00-0368	EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,816.10		181.31	
	For Mounting Pan, Add	202.70			
26 27 16 00-0369	6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)				
26 27 16 00-0370	EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,495.95		181.31	
	For Mounting Pan, Add	103.07			
26 27 16 00-0371	EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,272.45		186.35	
	For Mounting Pan, Add	202.70			
26 27 16 00-0372	EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,344.26		201.46	
	For Mounting Pan, Add	155.05			
26 27 16 00-0373	EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,434.25		201.46	
	For Mounting Pan, Add	181.41			
26 27 16 00-0374	EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,869.06		251.82	
	For Mounting Pan, Add	238.00			
26 27 16 00-0375	EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,594.29		226.64	
	For Mounting Pan, Add	148.61			
26 27 16 00-0376	EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,745.87		251.82	
	For Mounting Pan, Add	222.36			
26 27 16 00-0377	EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,304.71		453.29	
	For Mounting Pan, Add	299.16			
26 27 16 00-0378	EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,823.51		302.19	
	For Mounting Pan, Add	291.27			
26 27 16 00-0379	EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,598.84		503.65	
	For Mounting Pan, Add	267.41			
26 27 16 00-0380	EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,148.25		503.65	
	For Mounting Pan, Add	434.72			
26 27 16 00-0381	8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)				
26 27 16 00-0382	EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,906.49		226.64	
	For Mounting Pan, Add	155.05			
26 27 16 00-0383	EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,934.45		226.64	
	For Mounting Pan, Add	181.41			
26 27 16 00-0384	EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,467.07		226.64	
	For Mounting Pan, Add	238.00			
26 27 16 00-0385	EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,949.96		251.82	
	For Mounting Pan, Add	148.61			
26 27 16 00-0386	EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,160.44		453.29	
	For Mounting Pan, Add	222.36			
26 27 16 00-0387	EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,712.34		554.02	
	For Mounting Pan, Add	299.16			
26 27 16 00-0388	EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,770.22		654.75	
	For Mounting Pan, Add	449.90			
26 27 16 00-0389	EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,822.79		554.02	
	For Mounting Pan, Add	291.27			
26 27 16 00-0390	EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,041.98		554.02	
	For Mounting Pan, Add	267.41			
26 27 16 00-0391	EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,071.14		604.38	
	For Mounting Pan, Add	400.84			
26 27 16 00-0392	EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,948.00		554.02	
	For Mounting Pan, Add	434.72			
26 27 16 00-0393	EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,343.29		604.38	
	For Mounting Pan, Add	635.69			
26 27 16 00-0394	EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,250.23		604.38	
	For Mounting Pan, Add	847.46			
26 27 16 00-0395	EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	20,625.22		805.84	
	For Mounting Pan, Add	1,059.17			
26 27 16 00-0396	EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,680.79		654.75	
	For Mounting Pan, Add	984.84			
26 27 16 00-0397	EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	28,482.45		1,007.30	
	For Mounting Pan, Add	1,348.25			
26 27 16 00-0398	10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)				
26 27 16 00-0399	EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,334.06		654.75	
	For Mounting Pan, Add	449.90			



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Distribution Equipment		26 27	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	13,194.19 400.84	604.38
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	14,376.02 635.69	654.75
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	18,209.39 1,059.17	705.11
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	16,079.77 984.84	705.11
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	31,065.48 1,348.25	1,007.30
26 27 16 00-0405		12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)		
26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,913.44 299.16	554.02
26 27 16 00-0407		Breaker Enclosures (26 27 16) See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408		15 To 100 Amperes, F-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	440.05	107.44
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	810.54	107.44
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,000.22	147.74
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,712.07	161.17
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,977.04	161.17
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	694.58	147.74
26 27 16 00-0415		15 To 250 Amperes, H Or J-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	702.89	147.74
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	1,296.18	147.74
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	4,432.42	188.03
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	1,069.38	188.03
26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,099.62	295.47
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	2,562.63	295.47
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	7,510.40	376.06
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,827.74	376.06
26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	2,153.96	564.09
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	3,700.27	564.09
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	13,512.31	725.26
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	7,309.21	725.26
26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	2,629.29	564.09
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	4,451.98	564.09
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	9,191.47	725.26
26 27 16 00-0434		Legend Plates (26 27 16)		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	22.92	6.71
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	30.72	6.71
26 27 23		Indoor Service Poles (26 27)		
26 27 23 00-0001		Communication And Power Poles (26 27 23) Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		Steel Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	357.00	59.52
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	387.92	59.52
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	423.67	59.52

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003) Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	73.10	12.27
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	63.34	12.27
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	71.75	12.27
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	53.10	12.27
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	43.69	12.27
26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	463.02	59.52
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	529.46	59.52
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	565.32	59.52
26 27 23 00-0019		Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	48.95	12.27
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	43.98	12.27
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	47.54	12.27
26 27 23 00-0023		3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	603.82	59.52
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	683.80	59.52
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	736.52	59.52
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On 3" Width Steel Cover Plate For One Single Receptacle	48.95	12.27
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	43.98	12.27
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	47.54	12.27
26 27 23 00-0032		Aluminum Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	483.83	59.52
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	539.74	59.52
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	602.43	59.52
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	75.01	12.27
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	76.58	12.27
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	81.84	12.27
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	56.05	12.27
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	43.69	12.27
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	466.36	59.52
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	523.71	59.52
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	591.28	59.52
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	977.19	59.52
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,117.84	59.52
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,275.38	59.52
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	530.46	59.52
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	502.12	59.52
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	643.58	59.52



Electrical		26
Low-Voltage Electrical Distribution		26 20
Low-Voltage Distribution Equipment		26 27

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 Wiring Devices (26 27) Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles (26 27 26)		
26 27 26 00-0002 General Use Receptacles (26 27 26 00-0001)		
26 27 26 00-0003 Receptacle Assemblies (26 27 26 00-0002) Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	106.15	47.68
26 27 26 00-0005 EA 20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	114.03	51.03
26 27 26 00-0006 EA 15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	137.53	61.11
26 27 26 00-0007 EA 20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	153.30	67.83
26 27 26 00-0008 EA 15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	122.03	47.68
26 27 26 00-0009 EA 20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	130.75	51.03
26 27 26 00-0010 Receptacle Components (26 27 26 00-0002)		
26 27 26 00-0011 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle.....	31.19	13.43
26 27 26 00-0012 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle.....	30.26	13.43
26 27 26 00-0013 EA 15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	35.72	13.43
26 27 26 00-0014 EA 15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle.....	38.88	13.43
26 27 26 00-0015 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle.....	49.62	16.78
26 27 26 00-0016 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle.....	59.99	16.78
26 27 26 00-0017 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle.....	32.41	13.43
26 27 26 00-0018 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle.....	31.43	13.43
26 27 26 00-0019 EA 20 Amperes, 120/277 Volt, Single Receptacle.....	45.67	13.43
26 27 26 00-0020 EA 20 Amperes, 120/277 Volt, Duplex Receptacle.....	37.89	13.43
26 27 26 00-0021 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle.....	49.62	16.78
26 27 26 00-0022 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle.....	59.99	16.78
26 27 26 00-0023 EA 20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle.....	93.25	16.78
26 27 26 00-0024 EA 20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle.....	93.25	16.78
26 27 26 00-0025 EA 25 Amperes, 120/277 Volt, Duplex Receptacle.....	78.61	20.15
26 27 26 00-0026 Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027 Specialty Receptacles (26 27 26 00-0026)		
26 27 26 00-0028 EA 30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle.....	70.54	23.51
26 27 26 00-0029 EA 30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle.....	70.54	23.51
26 27 26 00-0030 EA 30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles.....	90.09	23.51
26 27 26 00-0031 EA 30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle.....	106.67	23.51
26 27 26 00-0032 EA 30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle.....	113.40	26.86
26 27 26 00-0033 EA 50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle.....	104.78	26.86
26 27 26 00-0034 EA 50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle.....	102.35	26.86
26 27 26 00-0035 EA 50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle.....	89.82	26.86
26 27 26 00-0036 EA 50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle.....	108.90	26.86
26 27 26 00-0037 EA 50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle.....	126.66	26.86
26 27 26 00-0038 EA 50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle.....	133.37	30.22
26 27 26 00-0039 EA 60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle.....	146.71	33.58
26 27 26 00-0040 EA 60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle.....	160.14	40.29
26 27 26 00-0041 EA 100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete.....	1,516.61	315.62
26 27 26 00-0042 EA 400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete.....	3,705.07	386.13
26 27 26 00-0043 EA 30 Amperes, 230 Volt, Dryer Receptacle.....	84.16	26.86
26 27 26 00-0044 EA 60 Amperes, 230 Volt, Range Receptacle.....	123.21	40.29
26 27 26 00-0045 EA 15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle.....	78.88	16.78
26 27 26 00-0046 EA Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete.....	1,592.88	409.00
26 27 26 00-0047 Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048 EA 15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex.....	98.93	13.43
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	67.08	16.78
26 27 26 00-0050 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex.....	66.84	16.78
26 27 26 00-0051 EA 30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	92.98	26.86
26 27 26 00-0052 EA Locking 15 Amperes, 250 Volt Isolated Ground Receptacles.....	75.06	16.78
26 27 26 00-0053 EA Locking 15 Amperes, 277 Volt Isolated Ground Receptacles.....	68.85	16.78
26 27 26 00-0054 EA Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles.....	94.98	20.15
26 27 26 00-0055 EA Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles.....	75.65	20.15
26 27 26 00-0056 EA Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles.....	97.28	20.15
26 27 26 00-0057 EA Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles.....	118.37	20.15
26 27 26 00-0058 EA Locking 30 Amperes, 277 Volt Isolated Ground Receptacles.....	116.93	26.86
26 27 26 00-0059 Explosion Proof Receptacle Assembly (26 27 26 00-0026)		
26 27 26 00-0060 EA 1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly.....	990.15	33.58
26 27 26 00-0061 EA 3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly.....	912.43	36.93
26 27 26 00-0062 EA 3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly.....	1,517.11	67.15
26 27 26 00-0063 EA 3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly.....	1,910.67	67.15
26 27 26 00-0064 EA 1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly.....	2,418.04	100.73

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0065 EA 1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,304.11	100.73
26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)		
26 27 26 00-0067 EA 15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	42.79	16.78
26 27 26 00-0068 EA 20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	61.58	20.15
26 27 26 00-0069 EA 15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	45.54	22.87
26 27 26 00-0070 EA 20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	77.86	26.86
26 27 26 00-0071 Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)		
26 27 26 00-0072 EA 15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	77.40	16.78
26 27 26 00-0073 EA 20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	85.09	16.78
26 27 26 00-0074 Locking Receptacle (26 27 26 00-0026)		
26 27 26 00-0075 EA NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	60.64	16.78
26 27 26 00-0076 EA NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	74.68	16.78
26 27 26 00-0077 EA NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	67.19	20.15
26 27 26 00-0078 EA NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	66.57	20.15
26 27 26 00-0079 EA NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	78.92	20.15
26 27 26 00-0080 EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	94.89	20.15
26 27 26 00-0081 EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	93.12	20.15
26 27 26 00-0082 EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	81.45	20.15
26 27 26 00-0083 EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	92.78	26.86
26 27 26 00-0084 EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	94.27	26.86
26 27 26 00-0085 EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	125.47	26.86
26 27 26 00-0086 Watertight Pin And Sleeve Receptacle (26 27 26 00-0026)		
26 27 26 00-0087 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	302.19	67.15
26 27 26 00-0088 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	301.49	67.15
26 27 26 00-0089 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	314.58	67.15
26 27 26 00-0090 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	383.54	73.87
26 27 26 00-0091 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	384.63	73.87
26 27 26 00-0092 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	382.11	73.87
26 27 26 00-0093 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	457.80	82.59
26 27 26 00-0094 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	436.50	82.59
26 27 26 00-0095 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	469.84	82.59
26 27 26 00-0096 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	474.81	90.66
26 27 26 00-0097 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	474.39	90.66
26 27 26 00-0098 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	477.41	90.66
26 27 26 00-0099 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	667.32	107.44
26 27 26 00-0100 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	641.53	107.44
26 27 26 00-0101 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	658.32	107.44
26 27 26 00-0102 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	733.12	119.53
26 27 26 00-0103 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	733.62	119.53
26 27 26 00-0104 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	734.12	119.53
26 27 26 00-0105 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	816.04	134.31
26 27 26 00-0106 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	849.09	134.31
26 27 26 00-0107 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	913.59	147.74
26 27 26 00-0108 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	911.11	147.74
26 27 26 00-0109 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	915.78	147.74
26 27 26 00-0110 Corrosion Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0111 EA 15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	82.20	13.43
26 27 26 00-0112 EA 15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	164.34	16.78
26 27 26 00-0113 Tamper Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0114 EA 15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	32.89	13.43
Note: Pass & Seymour 3232-TR.		
26 27 26 00-0115 EA 20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	35.99	13.43
Note: Pass & Seymour TR20.		
26 27 26 00-0116 EA 15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	44.90	13.43
Note: Pass & Seymour TR5251.		
26 27 26 00-0117 EA 20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	49.07	13.43
Note: Pass & Seymour TR5351.		
26 27 26 00-0118 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle	74.16	13.43
Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0119 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	80.15	13.43
Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0120 EA 20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	85.85	13.43
Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0121 USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0026)		



Electrical		26
Low-Voltage Electrical Distribution		26 20
Low-Voltage Distribution Equipment		26 27

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0122 EA 15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	76.35	13.43
26 27 26 00-0123 EA 20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	82.53	13.43
26 27 26 00-0124 Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0125 EA TV Receptacle With Cover (Type F), Complete.....	85.59	31.16
26 27 26 00-0126 Switches (26 27 26)		
26 27 26 00-0127 Switches (26 27 26 00-0126)		
26 27 26 00-0128 Switch Assemblies (26 27 26 00-0127)		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0129 EA 1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	109.92	47.00
26 27 26 00-0130 EA 1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	118.54	51.03
26 27 26 00-0131 EA 2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	148.41	61.44
26 27 26 00-0132 EA 2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	162.98	68.16
26 27 26 00-0133 EA 3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	252.86	105.43
26 27 26 00-0134 EA 3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	274.73	115.50
26 27 26 00-0135 EA 4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	291.43	119.20
26 27 26 00-0136 EA 4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	320.59	132.62
26 27 26 00-0137 Switch Components (26 27 26 00-0127)		
26 27 26 00-0138 EA 15 Amperes, 120/277 Volt, SPST Switch	35.37	13.43
26 27 26 00-0139 EA 15 Amperes, 120/277 Volt, 3-Way Switch	44.76	16.78
26 27 26 00-0140 EA 15 Amperes, 120/277 Volt, 4-Way Switch	86.17	26.86
26 27 26 00-0141 EA 15 Amperes, 120/277 Volt, DPST Switch	40.32	13.43
26 27 26 00-0142 EA 15 Amperes, 120/277 Volt, Thermal Switch.....	75.88	16.78
26 27 26 00-0143 EA 20 Amperes, 120/277 Volt, SPST Switch	42.66	16.78
26 27 26 00-0144 EA 20 Amperes, 120/277 Volt, 3-Way Switch	52.71	20.15
26 27 26 00-0145 EA 20 Amperes, 120/277 Volt, 4-Way Switch	115.61	26.86
26 27 26 00-0146 EA 20 Amperes, 120/277 Volt, DPST Switch	50.60	16.78
26 27 26 00-0147 EA 20 Amperes, 120/277 Volt, DPDT Switch	54.11	16.78
26 27 26 00-0148 EA 15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	90.83	16.81
26 27 26 00-0149 EA 15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	114.45	16.81
26 27 26 00-0150 EA Momentary Contact Switch With Separate Neon Pilot.....	87.44	20.18
Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0151 EA 20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	64.63	23.51
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0152 EA 20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch.....	79.40	26.86
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0153 EA 20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch.....	115.68	26.86
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0154 EA 30 Amperes, 120/277 Volt, Single Pole, Local Switch	91.37	26.90
26 27 26 00-0155 EA 30 Amperes, 120/277 Volt, Double Pole, Local Switch	112.61	26.90
26 27 26 00-0156 EA 30 Amperes, 120/277 Volt, Three-Way Local Switch.....	117.79	33.63
26 27 26 00-0157 EA 30 Amperes, 120/277 Volt, Four-Way Local Switch	164.39	36.99
26 27 26 00-0158 EA 15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	78.88	22.00
26 27 26 00-0159 EA 15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot	111.24	22.00
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0160 EA 15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	97.29	22.00
26 27 26 00-0161 EA 15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	92.49	22.00
26 27 26 00-0162 EA 6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	102.20	10.90
26 27 26 00-0163 EA 6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	108.71	10.90
26 27 26 00-0164 EA 15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	115.99	41.97
26 27 26 00-0165 EA Three Position, Center Off, Key Operated, Momentary Contact Switch	139.61	41.97
Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0166 EA Single Pole, Slide Dimmer (Leviton IP710-LFZ)	166.24	13.45
26 27 26 00-0167 EA 8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	90.48	13.45
26 27 26 00-0168 EA 120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-BS-DV-WH).....	280.83	13.43
26 27 26 00-0169 EA 120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	53.85	13.43
26 27 26 00-0170 EA 1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	96.36	13.45
26 27 26 00-0171 EA 1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	110.44	13.45
26 27 26 00-0172 EA 2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	141.14	13.45
26 27 26 00-0173 EA Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	171.17	13.45
26 27 26 00-0174 Specialty Switches (26 27 26 00-0126)		
26 27 26 00-0175 Dimmers With SPST Switch (26 27 26 00-0174)		
26 27 26 00-0176 EA 600 Watt Dimmers With SPST Switch	78.82	30.22
26 27 26 00-0177 EA 1,000 Watt Dimmers With SPST Switch	136.22	30.22
26 27 26 00-0178 EA 1,500 Watt Dimmers With SPST Switch	245.49	48.62
26 27 26 00-0179 EA 2,000 Watt Dimmers With SPST Switch	318.73	48.62
26 27 26 00-0180 EA 600 Watt Fluorescent Dimmer Switch.....	177.22	35.86
26 27 26 00-0181 EA 1,000 Watt Fluorescent Dimmer Switch.....	240.24	35.86
26 27 26 00-0182 EA 1,500 Watt Fluorescent Dimmer Switch	435.14	54.13
26 27 26 00-0183 EA Remote Speed Switch For Paddle Fan.....	130.01	44.72
26 27 26 00-0184 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer	214.61	66.75

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0185 Time Switches (26 27 26 00-0174)		
26 27 26 00-0186 EA 40 Amperes, 125 Volt, SPST, Standard Time Switch	146.88	40.29
26 27 26 00-0187 EA 40 Amperes, 277 Volt, SPST, Standard Time Switch	150.19	40.29
26 27 26 00-0188 EA 40 Amperes, 125 Volt, DPST, Standard Time Switch	146.88	40.29
26 27 26 00-0189 EA 40 Amperes, 277 Volt, DPST, Standard Time Switch	150.19	40.29
26 27 26 00-0190 EA 40 Amperes, 125 Volt, SPST, 7-Day Time Switch	168.98	40.29
26 27 26 00-0191 EA 40 Amperes, 277 Volt, SPST, 7-Day Time Switch	168.98	40.29
26 27 26 00-0192 EA 40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	299.36	40.29
26 27 26 00-0193 EA 40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	299.36	40.29
26 27 26 00-0194 EA 20 Amperes, 125 Volt, SPST, Programmable Time Switch	257.53	40.29
26 27 26 00-0195 EA 20 Amperes, 277 Volt, SPST, Programmable Time Switch	283.07	40.29
26 27 26 00-0196 EA 20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	283.07	40.29
26 27 26 00-0197 EA 40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	343.45	40.29
26 27 26 00-0198 EA 40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	353.61	40.29
26 27 26 00-0199 EA 40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	146.88	40.29
26 27 26 00-0200 EA 40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	150.19	40.29
26 27 26 00-0201 EA 40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	146.88	40.29
26 27 26 00-0202 EA 40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	150.19	40.29
26 27 26 00-0203 EA 40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	168.98	40.29
26 27 26 00-0204 EA 40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	168.98	40.29
26 27 26 00-0205 EA 40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	299.36	40.29
26 27 26 00-0206 EA 40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	299.36	40.29
26 27 26 00-0207 EA 40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	343.45	40.29
26 27 26 00-0208 EA 40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	353.61	40.29
26 27 26 00-0209 Low Voltage Switching (26 27 26 00-0174)		
26 27 26 00-0210 EA 36 Pin Male Or Female Connector	241.20	13.43
26 27 26 00-0211 Other Switches (26 27 26 00-0174)		
26 27 26 00-0212 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	44.40	20.15
26 27 26 00-0213 EA SPST Locking Switch For Concealed Devices	135.92	53.73
26 27 26 00-0214 EA 3-Way Locking Switch For Concealed Devices	137.72	53.73
26 27 26 00-0215 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	150.97	50.23
26 27 26 00-0216 EA 15 Amperes Momentary Contact Switch	143.73	50.23
26 27 26 00-0217 EA 20 Amperes Momentary Contact Switch	151.36	50.23
26 27 26 00-0218 EA 2-1/4" Handy Box Cover Units Fuseholder Switch	142.31	60.53
26 27 26 00-0219 EA 2-3/4" Handy Box Cover Units Fuseholder Switch	144.44	60.53
26 27 26 00-0220 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches	177.71	73.98
26 27 26 00-0221 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	161.61	67.25
26 27 26 00-0222 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	162.15	67.25
26 27 26 00-0223 Plates And Covers (26 27 26)		
26 27 26 00-0224 Wall Plates (26 27 26 00-0223)		
26 27 26 00-0225 Nylon Wall Plates (26 27 26 00-0224)		
26 27 26 00-0226 EA 1 Gang Nylon Switch Wall Plates	2.11	0.67
26 27 26 00-0227 EA 2 Gang Nylon Switch Wall Plates	3.57	1.01
26 27 26 00-0228 EA 3 Gang Nylon Switch Wall Plates	5.07	1.34
26 27 26 00-0229 EA 4 Gang Nylon Switch Wall Plate	7.29	1.69
26 27 26 00-0230 EA 1 Gang Duplex Nylon Wall Plate	2.13	0.67
26 27 26 00-0231 EA 2 Gang Duplex Nylon Wall Plate	3.66	1.01
26 27 26 00-0232 Plastic Wall Plates (26 27 26 00-0224)		
26 27 26 00-0233 EA 1 Gang Plastic Switch Wall Plates	1.96	0.67
26 27 26 00-0234 EA 2 Gang Plastic Switch Wall Plates	3.26	1.01
26 27 26 00-0235 EA 3 Gang Plastic Switch Wall Plates	4.57	1.34
26 27 26 00-0236 EA 4 Gang Plastic Switch Wall Plates	7.29	1.69
26 27 26 00-0237 EA 1 Gang Duplex Plastic Wall Plate	1.96	0.67
26 27 26 00-0238 EA 2 Gang Duplex Plastic Wall Plate	3.27	1.01
26 27 26 00-0239 Brass Wall Plates (26 27 26 00-0224)		
26 27 26 00-0240 EA 1 Gang, 0.04" Brass Switch Wall Plates	20.62	3.03
26 27 26 00-0241 EA 2 Gang, 0.04" Brass Switch Wall Plates	38.61	3.49
26 27 26 00-0242 EA 3 Gang, 0.04" Brass Switch Wall Plates	56.47	3.90
26 27 26 00-0243 EA 4 Gang, 0.04" Brass Switch Wall Plates	87.82	4.23
26 27 26 00-0244 EA 5 Gang, 0.04" Brass Switch Wall Plates	106.96	4.51
26 27 26 00-0245 EA 6 Gang, 0.04" Brass Switch Wall Plates	123.79	4.71
26 27 26 00-0246 EA 1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	20.62	3.03
26 27 26 00-0247 EA 2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	45.24	3.49
26 27 26 00-0248 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate	65.21	3.90



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Distribution Equipment		26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0249 Stainless Steel Wall Plates (26 27 26 00-0224)		
26 27 26 00-0250 EA 1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	11.04	3.03
26 27 26 00-0251 EA 2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	17.68	3.49
26 27 26 00-0252 EA 3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	24.69	3.90
26 27 26 00-0253 EA 4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	36.21	4.23
26 27 26 00-0254 EA 5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	42.64	4.51
26 27 26 00-0255 EA 6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	51.57	4.71
26 27 26 00-0256 EA 1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	12.09	3.03
26 27 26 00-0257 EA 2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	20.16	3.49
26 27 26 00-0258 EA 3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	32.91	3.90
26 27 26 00-0259 EA 4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	39.78	4.23
26 27 26 00-0260 Chrome Wall Plates (26 27 26 00-0224)		
26 27 26 00-0261 EA 1 Gang, 0.040" Chrome Switch Wall Plate	41.23	3.03
26 27 26 00-0262 EA 2 Gang 0.040" Chrome Switch Wall Plate	77.23	3.49
26 27 26 00-0263 EA 3 Gang 0.040" Chrome Switch Wall Plate	113.19	3.90
26 27 26 00-0264 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	41.20	3.03
26 27 26 00-0265 Weatherproof Covers (26 27 26 00-0223)		
26 27 26 00-0266 Stamped Metallic Weatherproof Covers (26 27 26 00-0265)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0267 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	15.95	0.67
26 27 26 00-0268 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	17.30	0.67
26 27 26 00-0269 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	17.30	0.67
26 27 26 00-0270 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	17.30	0.67
26 27 26 00-0271 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	21.15	1.01
26 27 26 00-0272 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	24.07	1.01
26 27 26 00-0273 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	24.36	1.01
26 27 26 00-0274 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	24.36	1.01
26 27 26 00-0275 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	33.26	1.01
26 27 26 00-0276 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	31.35	1.34
26 27 26 00-0277 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	34.34	1.34
26 27 26 00-0278 Cast Metallic Weatherproof Covers (26 27 26 00-0265)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0279 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	19.58	0.67
26 27 26 00-0280 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	63.13	0.67
26 27 26 00-0281 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	70.82	0.67
26 27 26 00-0282 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	19.44	0.67
26 27 26 00-0283 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	53.47	0.67
26 27 26 00-0284 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	89.13	0.67
26 27 26 00-0285 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	113.55	0.67
26 27 26 00-0286 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	24.36	1.01
26 27 26 00-0287 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	179.40	1.01
26 27 26 00-0288 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	40.91	1.34
26 27 26 00-0289 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	171.23	1.34
26 27 26 00-0290 Die Cast Aluminum Weatherproof Covers (26 27 26 00-0265)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0291 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	6.29	0.67
26 27 26 00-0292 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	8.10	0.67
26 27 26 00-0293 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	10.86	1.01
26 27 26 00-0294 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	11.80	1.01
26 27 26 00-0295 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	11.80	1.01
26 27 26 00-0296 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	13.15	1.01
26 27 26 00-0297 Heavy-Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0265)		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0298 EA Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	65.20	0.67
26 27 26 00-0299 Polycarbonate Weatherproof Covers (26 27 26 00-0265)		
Note: Includes neoprene gasket.		
26 27 26 00-0300 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.05	0.67
26 27 26 00-0301 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.05	0.67
26 27 26 00-0302 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.05	0.67
26 27 26 00-0303 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	16.11	1.01
26 27 26 00-0304 EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	16.11	1.01

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0305 High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0265) Note: Includes neoprene gasket.		
26 27 26 00-0306 EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	94.95	0.67
26 27 26 00-0307 Non-Metallic (PVC) Weatherproof Covers (26 27 26 00-0265) Note: Includes neoprene gasket.		
26 27 26 00-0308 EA Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	14.65	0.67
26 27 26 00-0309 EA Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	15.71	1.01
26 27 26 00-0310 EA Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	14.70	0.67
26 27 26 00-0311 EA Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	32.43	0.67
26 27 26 00-0312 EA Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	37.60	0.67
26 27 26 00-0313 EA 20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	30.48	0.67
26 27 26 00-0314 EA 30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.70	0.67
26 27 26 00-0315 EA 50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	26.57	0.67
26 27 26 00-0316 EA Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	23.75	0.67
26 27 26 00-0317 EA Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	34.20	1.01
26 27 26 00-0318 Removal And Reinstallation Of Wiring Devices (26 27 26) Note: Includes storage and cleaning.		
26 27 26 00-0319 EA Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	88.36	
26 27 26 00-0320 EA Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	11.19	
26 27 26 00-0321 In Line Midget Fuseholders (26 27 26) See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0322 EA Single Pole Water Resistant In Line Midget Fuseholder	96.33	
26 27 26 00-0323 EA Double Pole Water Resistant In Line Midget Fuseholder	221.01	
26 27 26 00-0324 Relay Systems (26 27 26)		
26 27 26 00-0325 EA 10 Amperes, 24 Volt Coil, 2 Position Relay	100.82	30.22
26 27 26 00-0326 EA 20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	429.03	100.73
26 27 26 00-0327 EA 20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	724.11	134.31
26 27 26 00-0328 Limit Switches (26 27 26)		
26 27 26 00-0329 Heavy-Duty Precision Oiltight (26 27 26 00-0328)		
26 27 26 00-0330 Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0329)		
26 27 26 00-0331 EA Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	478.53	84.61
26 27 33 Power Distribution Units (26 27) Note: Includes wiring connections and testing.		
26 27 33 00-0001 Liebert Precision Power Center (26 27 33) Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.		
26 27 33 00-0002 EA PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,999.38	413.00
26 27 33 00-0003 EA PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	26,561.96	447.64
26 27 33 00-0004 EA PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,271.18	496.93
26 27 33 00-0005 EA PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	34,828.64	537.22
26 27 33 00-0006 EA PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	38,007.09	671.53
26 27 33 00-0007 EA PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,640.47	805.84
26 27 33 00-0008 EA PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	49,199.48	940.15
26 27 33 00-0009 EA PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	51,736.06	1,074.46
26 27 33 00-0010 EA PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	54,657.76	1,208.76
26 27 33 00-0011 EA Ex Panelboard 10-30 KVA	1,954.62	134.31
26 27 33 00-0012 EA Ex Panelboard 50-125 KVA	2,920.40	167.89
26 27 33 00-0013 EA Ex Panelboard 150-220 KVA	6,582.06	201.46
26 27 33 00-0014 EA Removal And Reinstallation Of Power Distribution Unit	2,148.91	
26 27 33 00-0015 EA Note: Includes disconnection / reconnection of branch circuits, storage and cleaning. Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,611.68	
26 27 73 Door Chimes (26 27)		
26 27 73 00-0001 Door Bell Chime And Door Button With Built-In Viewer (26 27 73) Note: Non-electric chime, mounted on door		
26 27 73 00-0002 EA Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	93.04	20.63
26 27 73 00-0003 Wireless Door Bell System (26 27 73)		
26 27 73 00-0004 EA Wireless Doorbell Chime And Push Button (Broan LA542WH)	149.96	
26 27 73 00-0005 EA Note: Includes 2 push buttons Wireless Doorbell Chime And Push Button (STI-3350G)	141.41	
26 27 73 00-0006 EA Note: Includes 2 push buttons Wireless Doorbell Chime And Push Button (GE 19300)	106.47	



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 73 00-0007 Door Bell Buzzer System, Wired (26 27 73)		
26 27 73 00-0008 EA Door Bell, Push-Button And Transformer, Complete	738.71	279.76
26 27 73 00-0009 EA Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	302.47	67.15
26 27 73 00-0010 EA Removal And Replacement Of Bell/Buzzer, Complete	122.39	33.58
Note: Includes removal of existing.		
26 28 Low-Voltage Circuit Protective Devices (26 20)		
26 28 13 Fuses (26 28)		
26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)		
26 28 13 00-0002 EA 1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	33.36	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0003 EA 2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	32.41	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0004 EA 3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	31.13	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0005 EA 5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.95	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0006 EA 6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	32.15	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0007 EA 8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.80	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0008 EA 10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.24	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0009 EA 15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.67	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0010 EA 20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.98	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0011 EA 25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.30	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0012 EA 30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.38	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0013 Class RK1, Time Delay Fuses (26 28 13)		
26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)		
26 28 13 00-0015 EA 1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	55.86	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0016 EA 2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.72	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0017 EA 3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	54.61	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0018 EA 4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	54.23	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0019 EA 5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.34	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0020 EA 10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	49.62	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0021 EA 15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	45.03	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0022 EA 20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.69	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0023 EA 25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	45.07	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0024 EA 30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.59	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0025 EA 35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	64.09	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0026 EA 40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	62.71	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0027 EA 45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	63.74	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0028 EA 50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	62.90	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0029 EA 60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	61.64	9.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.45
26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses (26 28 13 00-0013)		
26 28 13 00-0031 EA 70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	118.78	12.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.06
26 28 13 00-0032 EA 80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	118.09	12.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.06
26 28 13 00-0033 EA 90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	132.09	12.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.06
26 28 13 00-0034 EA 100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	116.99	12.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.06



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	347.40	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	252.00	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	230.08	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	242.80	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	462.32	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	496.12	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.88	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	534.14	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.88	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	409.42	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.88	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	923.93	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.88	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	871.62	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.30	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	677.18	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.30	
26 28 13 00-0046		600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)		
26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	89.96	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	83.36	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	77.84	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	79.66	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	78.09	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	78.65	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	72.63	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	72.03	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	71.21	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	72.41	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	108.16	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	108.45	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	106.19	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	107.25	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	108.19	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 28 13 00-0062		600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)		
26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	207.02	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	211.50	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	210.31	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	211.25	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	394.42	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	400.51	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	393.31	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.88	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	392.31	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.88	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	757.37	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.88	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	759.78	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.30	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	858.38	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.30	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	776.54	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.30	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	
26 28 13 00-0075	EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,404.82 13.30	20.01
26 28 13 00-0076	EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,247.44 16.12	24.18
26 28 13 00-0077	EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		1,086.06 16.12	24.18
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses (26 28 13) Note: 250/300 Volt DC.				
26 28 13 00-0079	EA 1 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		65.28 6.45	9.67
26 28 13 00-0080	EA 2 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		66.38 6.45	9.67
26 28 13 00-0081	EA 3 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		66.07 6.45	9.67
26 28 13 00-0082	EA 5 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		65.72 6.45	9.67
26 28 13 00-0083	EA 6 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		70.90 6.45	9.67
26 28 13 00-0084	EA 8 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		62.61 6.45	9.67
26 28 13 00-0085	EA 10 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		72.35 6.45	9.67
26 28 13 00-0086	EA 15 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		65.75 6.45	9.67
26 28 13 00-0087	EA 20 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		64.40 6.45	9.67
26 28 13 00-0088	EA 25 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		61.30 6.45	9.67
26 28 13 00-0089	EA 30 Amperes, 600 Volt AC, Class CC Midget Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		63.93 6.45	9.67
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse (26 28 13)				
26 28 13 00-0091	EA 1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		88.55 4.03	6.71
26 28 13 00-0092	EA 3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		89.27 4.03	6.71
26 28 13 00-0093	EA 6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		75.61 4.84	8.06
26 28 13 00-0094	EA 10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		73.86 6.05	10.07
26 28 13 00-0095	EA 15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		75.59 6.05	10.07
26 28 13 00-0096	EA 20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		74.05 6.05	10.07
26 28 13 00-0097	EA 25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		93.94 8.06	13.43
26 28 13 00-0098	EA 30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		76.71 8.06	13.43
26 28 13 00-0099	EA 35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		141.03 8.06	13.43
26 28 13 00-0100	EA 40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		118.87 8.06	13.43
26 28 13 00-0101	EA 45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		137.64 8.06	13.43
26 28 13 00-0102	EA 50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		118.87 10.07	16.78
26 28 13 00-0103	EA 60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		116.49 10.07	16.78
26 28 13 00-0104	EA 70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		184.91 12.09	20.15
26 28 13 00-0105	EA 80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		198.07 12.09	20.15
26 28 13 00-0106	EA 90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		194.71 12.09	20.15
26 28 13 00-0107	EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		166.55 14.10	23.51
26 28 13 00-0108	EA 110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		411.88 14.10	23.51
26 28 13 00-0109	EA 125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		347.59 14.10	23.51
26 28 13 00-0110	EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		328.35 16.12	26.86
26 28 13 00-0111	EA 175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		333.46 16.12	26.86
26 28 13 00-0112	EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		273.66 16.12	26.86
26 28 13 00-0113	EA 225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		720.90 16.12	26.86
26 28 13 00-0114	EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		665.09 16.12	26.86

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0115 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	611.38	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 13 00-0116 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	668.54	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 13 00-0117 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	546.33	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0118 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	1,184.12	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0119 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	999.52	33.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 13 00-0120 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	737.49	33.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses (26 28 13)		
26 28 13 00-0122 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,294.12	16.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 28 13 00-0123 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,298.67	16.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 28 13 00-0124 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,302.91	16.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 28 13 00-0125 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,293.33	20.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.09	
26 28 13 00-0126 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,111.09	20.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.09	
26 28 13 00-0127 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,257.66	23.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.10	
26 28 13 00-0128 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,076.74	23.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.10	
26 28 13 00-0129 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,324.49	23.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.10	
26 28 13 00-0130 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,278.85	23.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.10	
26 28 13 00-0131 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,023.17	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 13 00-0132 EA 601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,078.07	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 13 00-0133 EA 650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,768.20	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 13 00-0134 EA 700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,013.22	26.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 13 00-0135 EA 750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,098.12	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0136 EA 800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,776.73	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0137 EA 900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,602.94	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0138 EA 1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,746.54	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0139 EA 1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,799.05	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0140 EA 1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,021.61	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0141 EA 1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,964.85	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0142 EA 1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,575.43	30.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.13	
26 28 13 00-0143 EA 1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,225.04	33.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 13 00-0144 EA 1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,738.00	33.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 13 00-0145 EA 2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,026.03	33.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 13 00-0146 EA 2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,097.76	33.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 13 00-0147 EA 2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	6,994.71	33.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 13 00-0148 EA 3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,568.42	36.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16	
26 28 13 00-0149 EA 3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	9,470.69	36.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16	
26 28 13 00-0150 EA 3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	10,992.76	36.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16	
26 28 13 00-0151 EA 4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	6,347.28	36.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16	
26 28 13 00-0152 EA 5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	10,029.56	36.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16	
26 28 13 00-0153 EA 6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	16,617.14	36.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16	

26 28 16 Enclosed Switches and Circuit Breakers (26 28)**26 28 16 13 Enclosed Circuit Breakers (26 28 16)**



	Electrical	26	
	Low-Voltage Electrical Distribution	26 20	26
	Low-Voltage Circuit Protective Devices	26 28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0001			Branch Circuit Breakers (26 28 16 13)		
			Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 28 16 13-0002			Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)		
			Note: Includes connection of electrical wire.		
26 28 16 13-0003	EA		1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	71.12	24.18
			For Bolt-On, Add	18.29	
			For Installation In New Panelboard, Deduct	-13.43	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0004	EA		1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	71.12	24.18
			For Bolt-On, Add	18.29	
			For Installation In New Panelboard, Deduct	-13.43	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0005	EA		1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	107.27	30.22
			For Bolt-On, Add	25.16	
			For Installation In New Panelboard, Deduct	-16.79	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0006	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	176.25	30.22
			For Bolt-On, Add	33.78	
			For Installation In New Panelboard, Deduct	-16.79	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0007	EA		1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	255.13	30.22
			For Bolt-On, Add	43.64	
			For Installation In New Panelboard, Deduct	-16.79	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0008	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	300.10	30.22
			For Bolt-On, Add	49.26	
			For Installation In New Panelboard, Deduct	-16.79	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0009	EA		1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	132.79	30.22
			For Bolt-On, Add	28.35	
			For Installation In New Panelboard, Deduct	-16.79	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0010	EA		2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	120.70	36.26
			For Bolt-On, Add	29.19	
			For Installation In New Panelboard, Deduct	-20.15	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0011	EA		2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	120.70	36.26
			For Bolt-On, Add	29.19	
			For Installation In New Panelboard, Deduct	-20.15	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0012	EA		2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	187.69	48.35
			For Bolt-On, Add	42.26	
			For Installation In New Panelboard, Deduct	-26.86	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0013	EA		2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	328.27	60.44
			For Bolt-On, Add	64.54	
			For Installation In New Panelboard, Deduct	-33.58	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0014	EA		2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	391.16	67.15
			For Bolt-On, Add	74.75	
			For Installation In New Panelboard, Deduct	-36.94	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.32	
26 28 16 13-0015	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	343.09	42.98
			For Bolt-On, Add	59.81	
			For Installation In New Panelboard, Deduct	-24.18	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.01	
26 28 16 13-0016	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	472.11	42.98
			For Bolt-On, Add	75.94	
			For Installation In New Panelboard, Deduct	-24.18	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.01	
26 28 16 13-0017	EA		3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	247.88	48.35
			For Bolt-On, Add	49.79	
			For Installation In New Panelboard, Deduct	-26.86	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0018 EA 3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	247.88	48.35
For Bolt-On, Add	49.79	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0019 EA 3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	327.50	60.44
For Bolt-On, Add	64.44	
For Installation In New Panelboard, Deduct	-33.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0020 EA 3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	512.14	72.52
For Bolt-On, Add	92.22	
For Installation In New Panelboard, Deduct	-40.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.35	
26 28 16 13-0021 EA 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	660.40	84.61
For Bolt-On, Add	115.46	
For Installation In New Panelboard, Deduct	-47.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.41	
26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
^{16 13-0001)}		
Note: Includes connection of electrical wire.		
26 28 16 13-0023 EA 1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	111.98	24.18
For Bolt-On, Add	23.40	
For Installation In New Panelboard, Deduct	-13.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0024 EA 1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	111.98	24.18
For Bolt-On, Add	23.40	
For Installation In New Panelboard, Deduct	-13.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0025 EA 1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	211.75	30.22
For Bolt-On, Add	38.22	
For Installation In New Panelboard, Deduct	-16.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0026 EA 1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	344.37	30.22
For Bolt-On, Add	54.80	
For Installation In New Panelboard, Deduct	-16.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0027 EA 2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	228.30	36.26
For Bolt-On, Add	42.64	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0028 EA 2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	228.30	36.26
For Bolt-On, Add	42.64	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0029 EA 2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	470.38	48.35
For Bolt-On, Add	77.60	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0030 EA 2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	645.73	60.44
For Bolt-On, Add	104.22	
For Installation In New Panelboard, Deduct	-33.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0031 EA 2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	969.00	67.15
For Bolt-On, Add	146.98	
For Installation In New Panelboard, Deduct	-36.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.32	
26 28 16 13-0032 EA 3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	372.71	48.35
For Bolt-On, Add	65.39	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0033 EA 3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	372.71	48.35
For Bolt-On, Add	65.39	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0034 EA 3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	568.10	60.44
For Bolt-On, Add	94.52	
For Installation In New Panelboard, Deduct	-33.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Circuit Protective Devices	26 28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	820.34	72.52	
		For Bolt-On, Add	130.75		
		For Installation In New Panelboard, Deduct	-40.29		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.35		
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,295.18	84.61	
		For Bolt-On, Add	194.80		
		For Installation In New Panelboard, Deduct	-47.01		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.41		
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,500.94	90.66	
		For Bolt-On, Add	222.87		
		For Installation In New Panelboard, Deduct	-50.37		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.44		
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,613.12	96.70	
		For Bolt-On, Add	239.25		
		For Installation In New Panelboard, Deduct	-53.72		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.47		
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,919.37	102.75	
		For Bolt-On, Add	279.88		
		For Installation In New Panelboard, Deduct	-57.08		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.50		
26 28 16 13-0040		Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On			
		16 13-0001			
		Note: Includes connection of electrical wire.			
26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	138.85	24.18	
		For Bolt-On, Add	26.76		
		For Installation In New Panelboard, Deduct	-13.43		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12		
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	138.85	24.18	
		For Bolt-On, Add	26.76		
		For Installation In New Panelboard, Deduct	-13.43		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12		
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	238.28	30.22	
		For Bolt-On, Add	41.54		
		For Installation In New Panelboard, Deduct	-16.79		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15		
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	298.30	36.26	
		For Bolt-On, Add	51.39		
		For Installation In New Panelboard, Deduct	-20.15		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17		
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	298.30	36.26	
		For Bolt-On, Add	51.39		
		For Installation In New Panelboard, Deduct	-20.15		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17		
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	537.50	48.35	
		For Bolt-On, Add	85.99		
		For Installation In New Panelboard, Deduct	-26.86		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23		
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,437.04	60.44	
		For Bolt-On, Add	203.13		
		For Installation In New Panelboard, Deduct	-33.58		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29		
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	488.23	48.35	
		For Bolt-On, Add	79.83		
		For Installation In New Panelboard, Deduct	-26.86		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23		
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	488.23	48.35	
		For Bolt-On, Add	79.83		
		For Installation In New Panelboard, Deduct	-26.86		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23		
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	652.18	60.44	
		For Bolt-On, Add	105.03		
		For Installation In New Panelboard, Deduct	-33.58		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29		
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,781.08	72.52	
		For Bolt-On, Add	250.84		
		For Installation In New Panelboard, Deduct	-40.29		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.35		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0052			Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
			16 13-0001		
			Note: Includes connection of electrical wire.		
26 28 16 13-0053	EA		15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	161.65	24.18
			For Bolt-On, Add	29.61	
			For Installation In New Panelboard, Deduct	-13.43	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0054	EA		35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	161.65	24.18
			For Bolt-On, Add	29.61	
			For Installation In New Panelboard, Deduct	-13.43	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0055	EA		70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	188.93	30.22
			For Bolt-On, Add	35.37	
			For Installation In New Panelboard, Deduct	-16.79	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0056	EA		15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	341.32	30.22
			For Bolt-On, Add	54.42	
			For Installation In New Panelboard, Deduct	-16.79	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0057	EA		15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	357.80	36.26
			For Bolt-On, Add	58.83	
			For Installation In New Panelboard, Deduct	-20.15	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0058	EA		35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	357.80	36.26
			For Bolt-On, Add	58.83	
			For Installation In New Panelboard, Deduct	-20.15	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0059	EA		70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	429.71	48.35
			For Bolt-On, Add	72.52	
			For Installation In New Panelboard, Deduct	-26.86	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0060	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	628.36	60.44
			For Bolt-On, Add	102.05	
			For Installation In New Panelboard, Deduct	-33.58	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0061	EA		150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	823.96	67.15
			For Bolt-On, Add	128.85	
			For Installation In New Panelboard, Deduct	-36.94	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.32	
26 28 16 13-0062	EA		250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,032.99	78.57
			For Bolt-On, Add	159.68	
			For Installation In New Panelboard, Deduct	-43.65	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.38	
26 28 16 13-0063	EA		300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,108.86	90.66
			For Bolt-On, Add	173.86	
			For Installation In New Panelboard, Deduct	-50.37	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.44	
26 28 16 13-0064	EA		15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	430.70	48.35
			For Bolt-On, Add	72.64	
			For Installation In New Panelboard, Deduct	-26.86	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0065	EA		35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	430.70	48.35
			For Bolt-On, Add	72.64	
			For Installation In New Panelboard, Deduct	-26.86	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0066	EA		70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	501.63	60.44
			For Bolt-On, Add	86.21	
			For Installation In New Panelboard, Deduct	-33.58	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0067	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	780.95	72.52
			For Bolt-On, Add	125.82	
			For Installation In New Panelboard, Deduct	-40.29	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.35	
26 28 16 13-0068	EA		150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,026.46	94.02
			For Bolt-On, Add	164.74	
			For Installation In New Panelboard, Deduct	-52.05	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.45	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,274.89	108.79
		For Bolt-On, Add	201.67	
		For Installation In New Panelboard, Deduct	-60.44	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.53	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,356.63	115.50
		For Bolt-On, Add	214.24	
		For Installation In New Panelboard, Deduct	-63.80	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.55	
26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)				
		Note: Includes connection of electrical wire.		
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	372.66	36.26
		For Bolt-On, Add	60.68	
		For Installation In New Panelboard, Deduct	-20.15	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	372.66	36.26
		For Bolt-On, Add	60.68	
		For Installation In New Panelboard, Deduct	-20.15	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	573.40	48.35
		For Bolt-On, Add	90.48	
		For Installation In New Panelboard, Deduct	-26.86	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	949.49	60.44
		For Bolt-On, Add	142.19	
		For Installation In New Panelboard, Deduct	-33.58	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,497.59	75.21
		For Bolt-On, Add	216.58	
		For Installation In New Panelboard, Deduct	-41.97	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.37	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,704.60	78.57
		For Bolt-On, Add	243.63	
		For Installation In New Panelboard, Deduct	-43.65	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.38	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,857.78	90.66
		For Bolt-On, Add	267.48	
		For Installation In New Panelboard, Deduct	-50.37	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.44	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	539.31	48.35
		For Bolt-On, Add	86.22	
		For Installation In New Panelboard, Deduct	-26.86	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	539.31	48.35
		For Bolt-On, Add	86.22	
		For Installation In New Panelboard, Deduct	-26.86	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	679.83	60.44
		For Bolt-On, Add	108.48	
		For Installation In New Panelboard, Deduct	-33.58	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,183.82	72.52
		For Bolt-On, Add	176.18	
		For Installation In New Panelboard, Deduct	-40.29	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.35	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,742.46	94.02
		For Bolt-On, Add	254.24	
		For Installation In New Panelboard, Deduct	-52.05	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.45	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,060.08	108.79
		For Bolt-On, Add	299.82	
		For Installation In New Panelboard, Deduct	-60.44	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.53	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,231.69	115.50
		For Bolt-On, Add	323.62	
		For Installation In New Panelboard, Deduct	-63.80	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.55	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On ^(26 28) ^{16 13-0001} Note: Includes connection of electrical wire.		
26 28 16 13-0087 EA 2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	387.44	36.26
For Bolt-On, Add	62.53	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0088 EA 2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	387.44	36.26
For Bolt-On, Add	62.53	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0089 EA 2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	709.78	48.35
For Bolt-On, Add	107.52	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0090 EA 2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,327.63	60.44
For Bolt-On, Add	189.46	
For Installation In New Panelboard, Deduct	-33.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0091 EA 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,122.67	75.21
For Bolt-On, Add	294.71	
For Installation In New Panelboard, Deduct	-41.97	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.37	
26 28 16 13-0092 EA 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,423.51	78.57
For Bolt-On, Add	333.49	
For Installation In New Panelboard, Deduct	-43.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.38	
26 28 16 13-0093 EA 2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,633.57	90.66
For Bolt-On, Add	364.45	
For Installation In New Panelboard, Deduct	-50.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.44	
26 28 16 13-0094 EA 3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	641.60	48.35
For Bolt-On, Add	99.00	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0095 EA 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	641.60	48.35
For Bolt-On, Add	99.00	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0096 EA 3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	857.12	60.44
For Bolt-On, Add	130.64	
For Installation In New Panelboard, Deduct	-33.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0097 EA 3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,615.89	72.52
For Bolt-On, Add	230.19	
For Installation In New Panelboard, Deduct	-40.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.35	
26 28 16 13-0098 EA 3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,039.48	94.02
For Bolt-On, Add	291.37	
For Installation In New Panelboard, Deduct	-52.05	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.45	
26 28 16 13-0099 EA 3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,294.41	108.79
For Bolt-On, Add	454.11	
For Installation In New Panelboard, Deduct	-60.44	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.53	
26 28 16 13-0100 EA 3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,509.69	115.50
For Bolt-On, Add	483.37	
For Installation In New Panelboard, Deduct	-63.80	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.55	
26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On ^(26 28) ^{16 13-0001} Note: Includes connection of electrical wire.		
26 28 16 13-0102 EA 1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	198.88	24.18
For Bolt-On, Add	34.26	
For Installation In New Panelboard, Deduct	-13.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0103 EA 1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 198.88		24.18
For Bolt-On, Add	34.26	
For Installation In New Panelboard, Deduct	-13.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0104 EA 1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 355.65		30.22
For Bolt-On, Add	56.21	
For Installation In New Panelboard, Deduct	-16.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0105 EA 2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 447.93		36.26
For Bolt-On, Add	70.09	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0106 EA 2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 447.93		36.26
For Bolt-On, Add	70.09	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0107 EA 2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 834.96		48.35
For Bolt-On, Add	123.17	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0108 EA 2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 1,577.67		60.44
For Bolt-On, Add	220.71	
For Installation In New Panelboard, Deduct	-33.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0109 EA 2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 3,110.24		75.21
For Bolt-On, Add	418.16	
For Installation In New Panelboard, Deduct	-41.97	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.37	
26 28 16 13-0110 EA 3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 750.74		48.35
For Bolt-On, Add	112.64	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0111 EA 3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 750.74		48.35
For Bolt-On, Add	112.64	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0112 EA 3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 1,008.77		60.44
For Bolt-On, Add	149.60	
For Installation In New Panelboard, Deduct	-33.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0113 EA 3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 1,945.47		72.52
For Bolt-On, Add	271.39	
For Installation In New Panelboard, Deduct	-40.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.35	
26 28 16 13-0114 EA 3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity 3,867.31		94.02
For Bolt-On, Add	519.85	
For Installation In New Panelboard, Deduct	-52.05	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.45	
26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On ^(26 28 16 13-0001)		
Note: Includes connection of electrical wire.		
26 28 16 13-0116 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity 303.76		24.18
For Bolt-On, Add	47.37	
For Installation In New Panelboard, Deduct	-13.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0117 EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity 303.76		24.18
For Bolt-On, Add	47.37	
For Installation In New Panelboard, Deduct	-13.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0118 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity 467.20		30.22
For Bolt-On, Add	70.15	
For Installation In New Panelboard, Deduct	-16.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.15	
26 28 16 13-0119 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity 569.28		36.26
For Bolt-On, Add	85.26	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0120 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	569.28	36.26
For Bolt-On, Add	85.26	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0121 EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,096.20	48.35
For Bolt-On, Add	155.83	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0122 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,020.90	60.44
For Bolt-On, Add	276.12	
For Installation In New Panelboard, Deduct	-33.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0123 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	4,091.40	67.15
For Bolt-On, Add	537.28	
For Installation In New Panelboard, Deduct	-36.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.32	
26 28 16 13-0124 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	993.91	48.35
For Bolt-On, Add	143.04	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0125 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	993.91	48.35
For Bolt-On, Add	143.04	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0126 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,384.46	60.44
For Bolt-On, Add	196.56	
For Installation In New Panelboard, Deduct	-33.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 28 16 13-0127 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,275.06	72.52
For Bolt-On, Add	312.59	
For Installation In New Panelboard, Deduct	-40.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.35	
26 28 16 13-0128 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	5,151.96	94.02
For Bolt-On, Add	680.43	
For Installation In New Panelboard, Deduct	-52.05	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.45	
26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On (26 28		
16 13-0001)		
Note: Includes connection of electrical wire.		
26 28 16 13-0130 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	122.72	24.18
For Bolt-On, Add	24.74	
For Installation In New Panelboard, Deduct	-13.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0131 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	275.00	36.26
For Bolt-On, Add	48.48	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 28 16 13-0132 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	446.12	48.35
For Bolt-On, Add	74.57	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0133 EA 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	285.79	24.18
For Bolt-On, Add	45.13	
For Installation In New Panelboard, Deduct	-13.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0134 EA 35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	285.79	24.18
For Bolt-On, Add	45.13	
For Installation In New Panelboard, Deduct	-13.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.12	
26 28 16 13-0135 EA 70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	568.86	48.35
For Bolt-On, Add	89.91	
For Installation In New Panelboard, Deduct	-26.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.23	
26 28 16 13-0136 EA 15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	669.23	36.26
For Bolt-On, Add	97.76	
For Installation In New Panelboard, Deduct	-20.15	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	669.23	36.26
		For Bolt-On, Add		97.76	
		For Installation In New Panelboard, Deduct		-20.15	
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		24.17	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	1,321.47	48.35
		For Bolt-On, Add		183.99	
		For Installation In New Panelboard, Deduct		-26.86	
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		32.23	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	2,270.93	60.44
		For Bolt-On, Add		307.37	
		For Installation In New Panelboard, Deduct		-33.58	
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		40.29	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	5,073.31	75.21
		For Bolt-On, Add		663.54	
		For Installation In New Panelboard, Deduct		-41.97	
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		50.37	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	1,136.91	48.35
		For Bolt-On, Add		160.92	
		For Installation In New Panelboard, Deduct		-26.86	
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		32.23	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	1,136.91	48.35
		For Bolt-On, Add		160.92	
		For Installation In New Panelboard, Deduct		-26.86	
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		32.23	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	1,592.05	60.44
		For Bolt-On, Add		222.51	
		For Installation In New Panelboard, Deduct		-33.58	
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		40.29	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	2,456.90	72.52
		For Bolt-On, Add		335.32	
		For Installation In New Panelboard, Deduct		-40.29	
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		48.35	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	6,308.81	94.02
		For Bolt-On, Add		825.03	
		For Installation In New Panelboard, Deduct		-52.05	
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		62.45	
26 28 16 16 Enclosed Switches (26 28 16)					
26 28 16 16-0001			Motor And Circuit Disconnects (26 28 16 16)		
			Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 16-0002			NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0003			Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)		
			Note: Includes fuses and neutral bar.		
26 28 16 16-0004			240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	501.16	134.31
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	788.78	161.84
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	1,084.90	189.37
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	1,869.36	298.17
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	3,979.21	463.36
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	6,647.01	684.97
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	9,070.82	805.84
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	12,181.86	940.15
26 28 16 16-0013			600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	763.99	149.22
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	.....	921.78	179.84

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,467.66	210.19
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,169.53	331.74
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,738.74	514.67
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,388.12	760.71
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,930.67	894.89
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,937.64	1,044.64
26 28 16 16-0022		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	712.49	210.86
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,050.61	280.03
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,416.06	310.92
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,240.12	486.86
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,657.82	799.13
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,579.93	1,119.45
26 28 16 16-0029		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	931.87	233.03
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,184.07	310.92
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,746.95	349.87
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,571.88	533.20
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,734.94	860.91
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,231.69	1,243.68
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,700.41	1,477.37
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	18,795.75	1,678.83
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	690.16	210.86
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,021.74	280.03
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,363.55	310.92
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,312.34	486.86
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,064.79	799.13
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,192.19	1,119.45
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,568.38	1,410.23
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,732.98	1,611.68
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,013.81	233.03
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,284.77	310.92
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,894.20	349.87
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,792.30	533.20
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,205.22	860.91



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0053 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,062.27	1,243.68
26 28 16 16-0054 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,079.37	1,477.37
26 28 16 16-0055 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	20,285.32	1,678.83
26 28 16 16-0056 Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)		
26 28 16 16-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0058 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	487.04	194.34
26 28 16 16-0059 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	756.90	270.36
26 28 16 16-0060 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,043.87	310.92
26 28 16 16-0061 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,635.19	497.47
26 28 16 16-0062 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,301.17	829.08
26 28 16 16-0063 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,400.22	1,130.60
26 28 16 16-0064 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,718.14	1,343.07
26 28 16 16-0065 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,194.09	1,567.49
26 28 16 16-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0067 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	537.95	214.49
26 28 16 16-0068 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	857.21	303.40
26 28 16 16-0069 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,179.92	345.44
26 28 16 16-0070 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,831.29	540.72
26 28 16 16-0071 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,551.84	888.30
26 28 16 16-0072 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,972.83	1,243.54
26 28 16 16-0073 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,561.08	1,343.07
26 28 16 16-0074 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,348.47	1,567.49
26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0076 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	568.18	174.60
26 28 16 16-0077 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	869.78	243.10
26 28 16 16-0078 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,173.67	280.03
26 28 16 16-0079 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,843.93	447.91
26 28 16 16-0080 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,692.68	746.07
26 28 16 16-0081 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,953.95	1,017.37
26 28 16 16-0082 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,249.08	1,208.76
26 28 16 16-0083 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	13,356.69	1,410.23
26 28 16 16-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0085 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	619.87	192.73
26 28 16 16-0086 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	956.47	273.32
26 28 16 16-0087 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,279.71	310.92
26 28 16 16-0088 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,989.53	486.86
26 28 16 16-0089 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,956.42	799.13

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0090 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,437.37	1,119.45
26 28 16 16-0091 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,806.74	1,208.76
26 28 16 16-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0093 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	661.45	193.00
26 28 16 16-0094 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,027.39	273.05
26 28 16 16-0095 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,395.03	310.92
26 28 16 16-0096 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,167.16	486.59
26 28 16 16-0097 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,204.90	799.40
26 28 16 16-0098 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,172.75	1,119.18
26 28 16 16-0099 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,646.26	1,208.76
26 28 16 16-0100 EA 1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	15,237.53	1,410.23
26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0102 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	967.56	174.87
26 28 16 16-0103 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,169.32	243.37
26 28 16 16-0104 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,791.47	279.76
26 28 16 16-0105 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,688.88	447.64
26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0107 EA 30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,047.89	192.73
26 28 16 16-0108 EA 60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,277.45	273.32
26 28 16 16-0109 EA 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,941.66	310.92
26 28 16 16-0110 EA 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,894.86	486.86
26 28 16 16-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)		
26 28 16 16-0112 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,163.63	193.00
26 28 16 16-0113 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,405.11	273.05
26 28 16 16-0114 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,171.23	310.92
26 28 16 16-0115 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,229.27	486.59
26 28 16 16-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002) Note: Includes fuses and neutral bar.		
26 28 16 16-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)		
26 28 16 16-0118 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	348.08	116.84
26 28 16 16-0119 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	474.20	140.62
26 28 16 16-0120 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	728.76	164.39
26 28 16 16-0121 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,348.35	259.35
26 28 16 16-0122 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,204.17	402.25
26 28 16 16-0123 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,990.15	595.38



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)		
26 28 16 16-0125 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	481.29	183.60
26 28 16 16-0126 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	679.18	243.37
26 28 16 16-0127 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	940.66	270.36
26 28 16 16-0128 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,677.40	423.21
26 28 16 16-0129 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,793.02	695.17
26 28 16 16-0130 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,751.85	973.18
26 28 16 16-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)		
26 28 16 16-0132 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	535.29	183.60
26 28 16 16-0133 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	766.24	243.37
26 28 16 16-0134 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,019.88	270.36
26 28 16 16-0135 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,876.99	423.21
26 28 16 16-0136 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,134.19	695.17
26 28 16 16-0137 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,968.11	973.18
26 28 16 16-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)		
26 28 16 16-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0138)		
26 28 16 16-0140 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	475.64	162.51
26 28 16 16-0141 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	632.69	186.82
26 28 16 16-0142 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,427.33	298.57
26 28 16 16-0143 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,059.29	496.93
26 28 16 16-0144 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,293.59	677.17
26 28 16 16-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0138)		
26 28 16 16-0146 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	449.32	152.03
26 28 16 16-0147 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	615.71	211.53
26 28 16 16-0148 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	935.46	243.37
26 28 16 16-0149 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,609.69	389.36
26 28 16 16-0150 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,364.34	648.97
26 28 16 16-0151 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,710.80	884.55
26 28 16 16-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0153 Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152) Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)		
26 28 16 16-0155 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	735.47	157.82
26 28 16 16-0156 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,169.13	189.37
26 28 16 16-0157 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,460.98	220.26

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,138.72	335.77
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,723.02	537.22
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,274.48	716.53
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,402.23	805.84
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,432.40	940.15
26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26				
28 16 16-0153)				
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,264.92	210.32
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,506.35	257.87
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,137.06	296.15
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,011.37	444.16
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,549.86	726.73
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,040.36	999.38
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,697.90	1,150.74
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,496.38	1,295.39
26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26				
28 16 16-0153)				
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	938.87	248.47
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,489.37	329.05
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,794.57	361.28
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,661.28	559.39
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,751.40	932.76
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,589.64	1,243.68
26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26				
28 16 16-0153)				
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,435.84	294.54
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,713.29	361.02
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,292.87	414.47
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,331.01	621.84
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,010.64	1,017.51
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,657.50	1,399.08
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,912.76	1,611.68
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	21,440.78	1,813.14
26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26				
28 16 16-0153)				
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,030.44	248.47
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,492.02	329.05
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,923.32	361.28
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,747.15	559.39



Electrical			26
Low-Voltage Electrical Distribution			26 20
Low-Voltage Circuit Protective Devices			26 28

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0193 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,830.18	932.76
26 28 16 16-0194 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,456.12	1,243.68
26 28 16 16-0195 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,443.31	1,410.23
26 28 16 16-0196 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	21,741.53	1,611.68
26 28 16 16-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16-0153)		
26 28 16 16-0198 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,488.38	294.80
26 28 16 16-0199 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,772.35	361.28
26 28 16 16-0200 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,424.15	414.34
26 28 16 16-0201 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,416.34	621.84
26 28 16 16-0202 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,319.16	1,017.37
26 28 16 16-0203 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,011.96	1,398.80
26 28 16 16-0204 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,028.93	1,611.68
26 28 16 16-0205 EA 1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	22,912.04	1,813.14
26 28 16 16-0206 Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16-0152)		
26 28 16 16-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16-0206)		
26 28 16 16-0208 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	698.12	138.21
26 28 16 16-0209 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,139.62	191.38
26 28 16 16-0210 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,498.13	219.46
26 28 16 16-0211 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,993.77	355.38
26 28 16 16-0212 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,437.47	592.83
26 28 16 16-0213 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,090.03	790.40
26 28 16 16-0214 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,013.18	940.55
26 28 16 16-0215 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,177.89	1,074.86
26 28 16 16-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16-0206)		
26 28 16 16-0217 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	785.98	152.30
26 28 16 16-0218 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,291.45	213.15
26 28 16 16-0219 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,691.60	240.68
26 28 16 16-0220 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,212.64	373.11
26 28 16 16-0221 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,035.74	621.84
26 28 16 16-0222 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,734.34	829.08
26 28 16 16-0223 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,878.07	985.28
26 28 16 16-0224 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,313.03	1,119.18
26 28 16 16-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16-0206)		
26 28 16 16-0226 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	836.30	207.23
26 28 16 16-0227 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,330.94	287.01
26 28 16 16-0228 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,717.59	329.19

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0229 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,349.08	533.06
26 28 16 16-0230 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,096.22	889.12
26 28 16 16-0231 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,009.57	1,185.26
26 28 16 16-0232 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,097.96	1,410.23
26 28 16 16-0233 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,663.13	1,611.68
26 28 16 16-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0235 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	908.71	228.33
26 28 16 16-0236 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,450.61	319.79
26 28 16 16-0237 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,856.96	361.02
26 28 16 16-0238 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,494.04	559.66
26 28 16 16-0239 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,420.16	932.62
26 28 16 16-0240 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,599.67	1,243.54
26 28 16 16-0241 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,037.52	1,477.37
26 28 16 16-0242 EA 1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,898.06	1,678.83
26 28 16 16-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0244 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	490.99	228.33
26 28 16 16-0245 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,504.64	319.79
26 28 16 16-0246 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,932.29	361.02
26 28 16 16-0247 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,585.72	559.66
26 28 16 16-0248 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,657.54	932.62
26 28 16 16-0249 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,563.40	1,243.54
26 28 16 16-0250 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,017.20	1,477.37
26 28 16 16-0251 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,870.41	1,678.83
26 28 16 16-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152) Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0252)		
26 28 16 16-0254 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	450.20	137.26
26 28 16 16-0255 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	635.01	164.66
26 28 16 16-0256 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	834.97	191.52
26 28 16 16-0257 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,711.57	291.98
26 28 16 16-0258 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,184.84	467.12
26 28 16 16-0259 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,416.10	623.18
26 28 16 16-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0252)		
26 28 16 16-0261 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	608.97	216.37
26 28 16 16-0262 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	878.61	286.21
26 28 16 16-0263 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,079.39	314.01



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,101.98	486.59
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,875.01	810.95
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,343.31	1,081.71
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0252)		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	684.64	216.23
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	954.54	286.21
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,323.76	314.01
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,259.80	486.59
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,976.38	811.08
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,134.63	1,081.71
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,051.52	1,225.42
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0152)		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	406.21	120.20
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	664.56	166.40
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	698.66	190.85
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,746.18	308.91
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,282.37	515.47
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,547.79	687.25
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	635.78	180.24
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	915.16	249.54
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,339.37	286.21
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,302.18	463.50
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0001)		
26 28 16 16-0289		Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0288) Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,951.26	134.31
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,343.96	161.84
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,781.20	189.11
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,613.16	298.43
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	13,443.62	463.10
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	19,324.30	684.70
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,476.08	149.22
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,753.59	179.70
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,169.44	210.06
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,306.13	331.74
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,961.50	514.93
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,018.91	760.71
26 28 16 16-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,193.01	211.13
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,748.78	279.76
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,242.57	310.92
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,452.71	486.59
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,530.43	799.40
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,735.99	1,119.18
26 28 16 16-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,650.75	233.16
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,023.34	310.92
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,463.54	349.74
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,729.19	532.93
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,006.41	860.91
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,353.61	1,243.54
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,621.17	211.13
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,284.02	279.76
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,313.59	310.92
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,917.27	486.59
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,412.88	799.40
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	24,697.18	1,119.18
26 28 16 16-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,156.67	233.16
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,597.04	310.92
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,556.78	349.74
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,206.00	532.93
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,927.76	860.91
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	25,368.80	1,243.54
26 28 16 16-0332		Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,872.25	134.31
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,279.16	186.82
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,288.63	214.89
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,950.85	343.29
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,833.22	571.61
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,515.29	778.72
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,129.13	148.14
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,596.55	209.52
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,887.64	238.80
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,762.55	373.11
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,302.39	614.05
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,671.15	859.57
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,953.39	174.87
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,361.74	243.37
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,465.03	279.76
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,754.20	447.64
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,756.51	746.21
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,452.52	1,017.51
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,218.67	193.00
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,723.58	273.05
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,031.88	310.92
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,989.47	486.59
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,953.19	799.40
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,715.66	1,119.18
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,685.37	174.87
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,220.29	243.37
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,243.77	279.76
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,050.53	447.64

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,055.21	193.00
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,670.16	273.05
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,260.82	310.92
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,579.12	486.59
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0371)		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,553.11	233.03
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,050.57	310.92
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,278.57	349.87
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,474.82	533.20
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0371)		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,326.96	192.73
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,814.56	273.32
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,880.47	310.92
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,353.26	486.86
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0382)		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,062.52	233.03
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,620.59	310.92
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,356.56	349.87
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0382)		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,808.95	192.73
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,354.28	273.32
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,915.17	310.92
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches (26 28 16 16-0001)		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.				
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches (26 28 16 16-0391)		
Note: With fuses and neutral bar.				
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,213.88	268.62
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,629.28	319.79
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,024.86	361.02
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,538.75	559.66
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0391)		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,497.41	319.79
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,922.55	361.02
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,371.78	559.66



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0401	NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0402	Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0401) Note: With fuses and neutral bar.		
26 28 16 16-0403	240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0404	EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	713.01	134.31
26 28 16 16-0405	EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	930.97	161.84
26 28 16 16-0406	EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,270.07	189.37
26 28 16 16-0407	EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,141.95	298.17
26 28 16 16-0408	EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,569.38	463.36
26 28 16 16-0409	EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,248.66	684.97
26 28 16 16-0410	600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0411	EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,118.99	149.08
26 28 16 16-0412	EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,154.00	179.97
26 28 16 16-0413	EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,661.81	210.19
26 28 16 16-0414	EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,600.02	331.74
26 28 16 16-0415	EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,670.86	514.40
26 28 16 16-0416	EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,215.65	760.85
26 28 16 16-0417	240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0418	EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	991.16	210.86
26 28 16 16-0419	EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,372.87	280.03
26 28 16 16-0420	EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,873.51	310.92
26 28 16 16-0421	EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,784.88	486.86
26 28 16 16-0422	EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,465.20	799.13
26 28 16 16-0423	EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,772.52	1,119.45
26 28 16 16-0424	600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0425	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,319.70	233.03
26 28 16 16-0426	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,494.83	310.92
26 28 16 16-0427	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,202.71	349.87
26 28 16 16-0428	EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,205.87	533.20
26 28 16 16-0429	EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,717.24	860.91
26 28 16 16-0430	EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,635.45	1,243.68
26 28 16 16-0431	240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0432	EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,059.08	210.86
26 28 16 16-0433	EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,419.53	280.03
26 28 16 16-0434	EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,019.97	310.92
26 28 16 16-0435	EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,968.76	486.86

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,957.54	799.13
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,105.13	1,119.45
26 28 16 16-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,398.45	233.03
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,704.89	310.92
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,347.15	349.87
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,481.55	533.20
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,163.60	860.91
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	13,003.03	1,243.68
26 28 16 16-0445		Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0401)		
26 28 16 16-0446		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	746.07	194.08
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	989.36	270.63
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,311.92	310.92
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,871.01	497.60
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,115.25	829.35
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,516.90	1,130.86
26 28 16 16-0453		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	831.59	214.22
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,099.61	303.54
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,462.20	345.17
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,032.88	540.59
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,357.40	888.44
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,200.34	1,243.68
26 28 16 16-0460		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	960.82	174.60
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,263.79	243.10
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,683.84	280.03
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,402.27	447.91
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,065.23	746.07
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,997.25	1,017.37
26 28 16 16-0467		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	939.97	192.73
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,366.49	273.32
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,803.35	310.92



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0471 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,371.41	486.86
26 28 16 16-0472 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,084.50	799.13
26 28 16 16-0473 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	9,524.74	1,119.45
26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0475 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,155.14	174.60
26 28 16 16-0476 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,374.30	243.10
26 28 16 16-0477 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,136.57	280.03
26 28 16 16-0478 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,387.95	447.91
26 28 16 16-0479 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,134.16	570.80
26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0481 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,199.91	192.73
26 28 16 16-0482 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,497.78	273.32
26 28 16 16-0483 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,282.54	310.92
26 28 16 16-0484 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,480.75	486.86
26 28 16 16-0485 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,522.34	752.12
26 28 16 16-0486 Double Throw Safety Switches (26 28 16 16-0001)		
26 28 16 16-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0489 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	895.03	172.58
26 28 16 16-0490 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,322.07	225.63
26 28 16 16-0491 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,854.32	294.80
26 28 16 16-0492 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,472.70	383.45
26 28 16 16-0493 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,964.69	479.48
26 28 16 16-0494 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,851.15	768.91
26 28 16 16-0495 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0496 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,129.52	241.75
26 28 16 16-0497 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,576.58	315.62
26 28 16 16-0498 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,372.96	413.00
26 28 16 16-0499 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,484.31	537.22
26 28 16 16-0500 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,219.29	671.53
26 28 16 16-0501 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,469.77	1,074.46
26 28 16 16-0502 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0503 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,500.73	302.19
26 28 16 16-0504 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,183.21	394.86
26 28 16 16-0505 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,873.86	515.74
26 28 16 16-0506 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,306.37	670.19
26 28 16 16-0507 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,692.60	839.42
26 28 16 16-0508 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,529.17	1,345.09
26 28 16 16-0509 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0510 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,526.81	225.63
26 28 16 16-0511 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,295.76	294.80
26 28 16 16-0512 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,383.93	383.45
26 28 16 16-0513 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,979.21	479.48
26 28 16 16-0514 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,794.47	768.91

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0515 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0516 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,706.58	315.62
26 28 16 16-0517 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,531.44	413.00
26 28 16 16-0518 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,690.20	537.22
26 28 16 16-0519 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,363.01	671.53
26 28 16 16-0520 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,407.46	1,074.46
26 28 16 16-0521 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0522 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,311.33	394.86
26 28 16 16-0523 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,059.25	515.74
26 28 16 16-0524 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,689.23	670.19
26 28 16 16-0525 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,508.78	839.42
26 28 16 16-0526 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,443.28	1,345.09
26 28 16 16-0527 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0528 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0527)		
26 28 16 16-0529 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,318.45	294.80
26 28 16 16-0530 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,321.49	383.45
26 28 16 16-0531 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,440.68	479.48
26 28 16 16-0532 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	30,039.15	768.91
26 28 16 16-0533 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0527)		
26 28 16 16-0534 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,038.52	412.32
26 28 16 16-0535 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,907.56	536.55
26 28 16 16-0536 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,979.78	671.53
26 28 16 16-0537 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	19,534.72	1,076.47
26 28 16 16-0538 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0527)		
26 28 16 16-0539 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,929.97	302.32
26 28 16 16-0540 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,633.02	394.60
26 28 16 16-0541 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,094.99	515.60
26 28 16 16-0542 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,369.00	670.46
26 28 16 16-0543 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,516.67	839.42
26 28 16 16-0544 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,596.12	1,345.22
26 28 16 16-0545 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0527)		
26 28 16 16-0546 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,966.69	225.63
26 28 16 16-0547 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,994.09	294.80
26 28 16 16-0548 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,452.66	383.45
26 28 16 16-0549 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,495.45	479.48
26 28 16 16-0550 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,023.95	768.91
26 28 16 16-0551 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0527)		
26 28 16 16-0552 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,227.10	315.62
26 28 16 16-0553 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,356.61	412.32
26 28 16 16-0554 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,005.50	536.55
26 28 16 16-0555 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,381.20	671.53
26 28 16 16-0556 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	15,293.27	1,076.47
26 28 16 16-0557 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0527)		
26 28 16 16-0558 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,662.69	394.60
26 28 16 16-0559 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,108.59	515.60
26 28 16 16-0560 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,558.01	670.46
26 28 16 16-0561 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,494.35	839.42
26 28 16 16-0562 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,719.13	1,345.22
26 28 16 16-0563 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0564 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0563)		



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Circuit Protective Devices		26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0565 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,345.77	172.72
26 28 16 16-0566 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,656.71	225.50
26 28 16 16-0567 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,005.59	294.67
26 28 16 16-0568 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,132.15	383.18
26 28 16 16-0569 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,724.14	479.61
26 28 16 16-0570 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,326.57	768.64
26 28 16 16-0571 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0563)		
26 28 16 16-0572 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,695.02	241.75
26 28 16 16-0573 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,187.32	315.62
26 28 16 16-0574 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,781.90	412.32
26 28 16 16-0575 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,273.38	536.55
26 28 16 16-0576 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,615.95	671.53
26 28 16 16-0577 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,703.87	1,076.47
26 28 16 16-0578 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0563)		
26 28 16 16-0579 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,027.35	302.32
26 28 16 16-0580 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,711.42	394.60
26 28 16 16-0581 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,459.89	515.60
26 28 16 16-0582 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,775.81	670.46
26 28 16 16-0583 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,251.39	839.42
26 28 16 16-0584 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,187.86	1,345.22
26 28 16 16-0585 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0563)		
26 28 16 16-0586 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,505.95	225.50
26 28 16 16-0587 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,685.87	294.67
26 28 16 16-0588 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,990.67	383.18
26 28 16 16-0589 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,089.10	479.61
26 28 16 16-0590 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,545.19	768.64
26 28 16 16-0591 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0563)		
26 28 16 16-0592 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,847.11	315.62
26 28 16 16-0593 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,084.68	412.32
26 28 16 16-0594 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,624.22	536.55
26 28 16 16-0595 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,953.07	671.53
26 28 16 16-0596 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	14,788.80	1,076.47
26 28 16 16-0597 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0563)		
26 28 16 16-0598 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,759.80	394.60
26 28 16 16-0599 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,816.77	515.60
26 28 16 16-0600 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,986.16	670.46
26 28 16 16-0601 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,704.17	839.42
26 28 16 16-0602 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,788.01	1,345.22
26 28 16 16-0603 Removal And Reinstallation Of Disconnect (Safety) Switches (26 28 16 16-0001) Note: Includes storage and cleaning.		
26 28 16 16-0604 EA Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	671.53	
26 28 16 16-0605 EA Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	873.03	
26 28 16 16-0606 EA Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	973.81	
26 28 16 16-0607 EA Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,141.68	
26 28 16 16-0608 Bolted Contact Switches (26 28 16 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0609 Electrical Trip, Bolted Contact Switches (26 28 16 16-0608)		
26 28 16 16-0610 Top Feed, Electrical Trip, Bolted Contact Switches (26 28 16 16-0609)		
26 28 16 16-0611 EA 800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,579.44	1,343.07
26 28 16 16-0612 EA 1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	11,455.33	1,611.68
26 28 16 16-0613 EA 1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	12,467.97	1,880.30
26 28 16 16-0614 EA 2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	13,168.03	2,148.91
26 28 16 16-0615 EA 2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	14,871.01	2,417.52
26 28 16 16-0616 EA 3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	18,645.00	2,686.14
26 28 16 16-0617 EA 4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	25,124.94	3,223.37

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0618 Bottom Feed, Electrical Trip, Bolted Contact Switches (26 28 16 16-0609)		
26 28 16 16-0619 EA 800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	11,211.17	1,343.07
26 28 16 16-0620 EA 1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	12,210.79	1,611.68
26 28 16 16-0621 EA 1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	13,216.92	1,880.30
26 28 16 16-0622 EA 2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	14,242.61	2,148.91
26 28 16 16-0623 EA 2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	16,030.25	2,417.52
26 28 16 16-0624 EA 3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	20,820.22	2,686.14
26 28 16 16-0625 EA 4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	27,391.33	3,223.37
26 28 16 16-0626 Manually Operated, Bolted Contact Switches (26 28 16 16-0608)		
26 28 16 16-0627 Top Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0626)		
26 28 16 16-0628 EA 800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	7,739.94	1,343.07
26 28 16 16-0629 EA 1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	8,649.69	1,611.68
26 28 16 16-0630 EA 1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	9,612.83	1,880.30
26 28 16 16-0631 EA 2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	10,568.19	2,148.91
26 28 16 16-0632 EA 2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	11,588.64	2,417.52
26 28 16 16-0633 EA 3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	15,362.64	2,686.14
26 28 16 16-0634 EA 4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	21,764.42	3,223.37
26 28 16 16-0635 Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0626)		
26 28 16 16-0636 EA 800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	8,158.05	1,343.07
26 28 16 16-0637 EA 1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	9,281.41	1,611.68
26 28 16 16-0638 EA 1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	10,225.02	1,880.30
26 28 16 16-0639 EA 2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	11,377.05	2,148.91
26 28 16 16-0640 EA 2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	12,604.61	2,417.52
26 28 16 16-0641 EA 3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	17,375.04	2,686.14
26 28 16 16-0642 EA 4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	23,874.51	3,223.37
26 29 Low-Voltage Controllers (26 20)		
26 29 13 Enclosed Controllers (26 29)		
26 29 13 13 Across-The-Line Motor Controllers (26 29 13)		
26 29 13 13-0001 Manual Motor Starters (26 29 13 13)		
26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0003 EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	255.62	67.25
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.36	
For Oversized Enclosure, Add	33.80	
For Pilot Light, Add	49.57	
26 29 13 13-0004 EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	334.85	87.43
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.36	
For Oversized Enclosure, Add	33.80	
For Pilot Light, Add	49.57	
26 29 13 13-0005 EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	289.42	67.25
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.36	
For Oversized Enclosure, Add	33.80	
For Pilot Light, Add	49.57	
26 29 13 13-0006 EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	368.65	87.43
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.36	
For Oversized Enclosure, Add	33.80	
For Pilot Light, Add	49.57	
26 29 13 13-0007 EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	270.27	67.25
For Oversized Enclosure, Add	33.80	
26 29 13 13-0008 EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	354.00	87.43
For Oversized Enclosure, Add	33.80	
26 29 13 13-0009 EA NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	546.14	80.70
For Pilot Light, Add	129.55	
26 29 13 13-0010 EA NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	628.74	100.88
For Pilot Light, Add	129.55	
26 29 13 13-0011 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	579.93	80.70
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	659.16	100.88
26 29 13 13-0013 Non-Reversing Manual Motor Starters (26 29 13 13-0001)		



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Controllers		26 29	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	206.25	67.25
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.31	
		For Pilot Light, Add	78.27	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	336.83	87.43
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.31	
		For Pilot Light, Add	78.27	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	232.74	73.98
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.31	
		For Pilot Light, Add	78.27	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	364.40	94.16
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.31	
		For Pilot Light, Add	78.27	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	237.78	67.25
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.31	
		For Pilot Light, Add	78.27	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	369.44	87.43
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.31	
		For Pilot Light, Add	78.27	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	502.73	80.70
		For Pilot Light, Add	123.92	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	621.35	100.88
		For Pilot Light, Add	123.92	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	530.32	87.43
		For Pilot Light, Add	123.92	
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	645.67	107.60
		For Pilot Light, Add	123.92	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	533.17	80.70
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	660.48	100.88
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	150.68	47.07
		For Pilot Light, Add	78.27	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	281.26	67.25
		For Pilot Light, Add	78.27	
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	177.17	53.81
		For Pilot Light, Add	78.27	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	307.74	73.98
		For Pilot Light, Add	78.27	
26 29 13 13-0030		Reversing Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	554.08	121.05
		For Pilot Light, Add	126.09	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	802.19	161.41
		For Pilot Light, Add	126.09	
26 29 13 13-0033		Two Speed Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	554.08	121.05
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	802.19	161.41
26 29 13 13-0036		Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	507.28	80.70
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	507.28	80.70
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510BW11).....	1,047.88	94.16

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	1,047.88	94.16
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,367.82	94.16
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	645.70	94.16
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	433.12	60.53
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	601.84	87.43
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	601.84	87.43
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,253.98	100.88
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,253.98	100.88
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,598.70	100.88
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	740.27	100.88
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	527.69	67.25
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	789.90	94.16
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	789.90	94.16
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,490.48	107.60
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,490.48	107.60
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,820.56	107.60
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	931.71	107.60
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	719.13	73.98
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	628.19	100.88
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	628.19	100.88
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	1,168.79	114.33
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	1,168.79	114.33
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,497.75	114.33
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	767.74	114.33
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	557.42	80.70
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	722.75	107.60
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	722.75	107.60
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,374.88	121.05
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,374.88	121.05
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,727.49	121.05
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	861.18	121.05
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	648.60	87.43
26 29 13 13-0072		Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,463.68	141.23
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,463.68	141.23
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,287.22	100.88
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,730.53	154.68
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,554.07	114.33
26 29 13 13-0078		Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,463.68	141.23
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,287.22	100.88



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Controllers		26 29	

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0081	EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,730.53	154.68
26 29 13 13-0082	EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,554.07	114.33
26 29 13 13-0083	Magnetic Contactors/Starters (26 29 13 13)		
26 29 13 13-0084	Non-Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085	Open Enclosure, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086	EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11).....	592.33	134.51
26 29 13 13-0087	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12).....	666.54	147.95
26 29 13 13-0088	EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5).....	639.64	134.51
26 29 13 13-0089	EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1).....	714.99	147.95
26 29 13 13-0090	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2).....	789.20	161.41
26 29 13 13-0091	EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3).....	997.21	201.76
26 29 13 13-0092	EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,254.78	242.11
26 29 13 13-0093	EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5).....	745.40	147.95
26 29 13 13-0094	EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1).....	819.62	161.41
26 29 13 13-0095	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2).....	896.09	174.86
26 29 13 13-0096	EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3).....	1,145.57	235.39
26 29 13 13-0097	EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,402.01	275.74
26 29 13 13-0098	EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,254.47	161.41
26 29 13 13-0099	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2).....	1,397.14	201.76
26 29 13 13-0100	EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,821.16	269.01
26 29 13 13-0101	EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,879.30	201.76
26 29 13 13-0102	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2).....	2,143.35	269.01
26 29 13 13-0103	EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3).....	2,726.22	336.27
26 29 13 13-0104	EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4).....	3,888.14	403.52
26 29 13 13-0105	EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1).....	4,234.66	336.27
26 29 13 13-0106	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2).....	4,658.70	403.52
26 29 13 13-0107	EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3).....	6,300.53	470.77
26 29 13 13-0108	EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1).....	8,526.14	403.52
26 29 13 13-0109	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2).....	9,469.95	538.02
26 29 13 13-0110	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2).....	24,526.92	807.03
26 29 13 13-0111	EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2).....	35,122.54	1,210.55
26 29 13 13-0112	NEMA 1, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0113	EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11).....	627.25	134.51
26 29 13 13-0114	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12).....	701.47	147.95
26 29 13 13-0115	EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5).....	674.57	134.51
26 29 13 13-0116	EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1).....	751.04	147.95
26 29 13 13-0117	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2).....	825.25	161.41
26 29 13 13-0118	EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3).....	1,035.51	201.76
26 29 13 13-0119	EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,294.21	242.11
26 29 13 13-0120	EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5).....	782.58	147.95
26 29 13 13-0121	EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1).....	859.05	161.41

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2).....	933.26	174.86
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3).....	1,183.87	235.39
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,439.19	275.74
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,421.19	161.41
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,564.99	201.76
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,987.89	269.01
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1).....	2,207.12	201.76
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,470.05	269.01
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3).....	3,054.04	336.27
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,913.97	336.27
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2).....	5,338.01	403.52
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2).....	10,708.03	538.02
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2).....	29,971.53	807.03
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2).....	40,582.91	1,210.55
26 29 13 13-0136		NEMA 12, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1).....	943.68	147.95
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2).....	1,017.89	161.41
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2).....	1,125.90	174.86
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,772.68	161.41
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,917.60	201.76
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,623.95	201.76
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,885.75	269.01
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2).....	6,718.03	403.52
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2).....	14,239.75	538.02
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2).....	34,301.98	807.03
26 29 13 13-0147		NEMA 4/4X, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12).....	1,387.40	161.41
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11).....	1,436.97	161.41
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12).....	1,511.18	174.86
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,761.79	235.39
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12).....	2,720.83	201.76
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12).....	4,105.80	269.01
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12).....	8,130.72	403.52
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12).....	14,239.75	538.02
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2).....	37,992.55	807.03
26 29 13 13-0157		NEMA 7/9, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
		Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2).....	2,762.36	215.21
26 29 13 13-0159		Non-Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0160		Open Enclosure, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Controllers		26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	703.86	134.51
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	730.76	147.95
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	785.96	147.95
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	869.19	161.41
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,395.60	242.11
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	893.97	161.41
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	1,048.17	174.86
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	1,095.48	174.86
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,356.98	161.41
26 29 13 13-0170 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,542.46	201.76
26 29 13 13-0171 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,383.31	269.01
26 29 13 13-0172 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	5,028.21	403.52
26 29 13 13-0173 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	11,386.21	538.02
26 29 13 13-0174 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	26,123.24	807.03
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	37,636.99	1,210.55
26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	741.03	134.51
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	767.93	147.95
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	823.13	147.95
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	906.36	161.41
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	930.02	161.41
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	1,014.37	174.86
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,133.79	174.86
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,524.84	161.41
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,710.32	201.76
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,711.13	269.01
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,707.51	403.52
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	12,627.66	538.02
26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	1,015.77	147.95
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	1,099.00	161.41
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,122.66	161.41
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	1,207.01	174.86
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,326.43	174.86
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,877.45	161.41
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	2,061.80	201.76
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	3,126.83	269.01
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	7,086.41	403.52
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	16,156.01	538.02
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	38,482.60	807.03

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters (26 29 13 13-0159)				
26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1).....	1,015.77	147.95
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2).....	1,099.00	161.41
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1).....	1,122.66	161.41
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3).....	1,207.01	174.86
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2).....	1,326.43	174.86
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6).....	1,877.45	161.41
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1).....	2,061.80	201.76
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1).....	3,126.83	269.01
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1).....	7,086.41	403.52
26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters (26 29 13 13-0159)				
Note: Bolted cast aluminum enclosure.				
26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4).....	2,879.40	228.66
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1).....	3,535.05	228.66
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3).....	3,643.06	242.11
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1).....	5,637.90	269.01
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43).....	6,799.81	336.27
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41).....	10,830.38	470.77
26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters (26 29 13 13-0159)				
Note: Brushed stainless steel enclosure.				
26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11).....	1,384.16	147.95
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12).....	1,468.51	161.41
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11).....	1,507.94	161.41
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13).....	1,592.29	174.86
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12).....	1,711.71	174.86
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16).....	2,678.42	161.41
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11).....	4,345.75	269.01
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11).....	8,497.97	403.52
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11).....	18,869.87	538.02
26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters (26 29 13 13-0159)				
Note: Glass polyester enclosure.				
26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21).....	2,866.15	201.76
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21).....	5,298.81	269.01
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21).....	10,422.12	403.52
26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters (26 29 13 13-0159)				
Note: Bolted cast iron enclosure.				
26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1).....	2,786.02	215.21
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2).....	2,879.40	228.66
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1).....	2,919.95	228.66
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3).....	3,008.81	242.11
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2).....	3,146.25	242.11
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1).....	4,619.50	269.01



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Controllers		26 29	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0239		Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0240		Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,321.92	174.86
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,392.89	174.86
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,541.47	188.30
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,599.91	201.76
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,639.34	201.76
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,754.10	215.21
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,828.26	235.39
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCOT)	1,868.82	235.39
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	3,184.28	269.01
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	5,202.82	403.52
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	11,946.55	605.27
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	22,240.03	807.03
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	71,960.18	1,479.55
26 29 13 13-0254		NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,362.61	161.41
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,423.31	174.86
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,463.87	174.86
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,609.06	188.30
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,669.76	201.76
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,710.32	201.76
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,855.49	215.21
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,929.65	235.39
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,970.21	235.39
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,447.89	269.01
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,659.07	403.52
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	12,784.70	605.27
26 29 13 13-0267		NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,958.16	201.76
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,998.71	201.76
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,258.60	235.39
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,930.06	269.01
26 29 13 13-0272		NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,447.08	201.76
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,882.91	215.21
26 29 13 13-0275		Magnetic Contactor/Starters Accessories (26 29 13 13-0083)		
26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	182.65	16.81
		For Factory Installed Accessory, Deduct	-33.63	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	309.83	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	182.65	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	309.83	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	309.83	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	154.08	13.45
		<i>For Factory Installed Accessory, Deduct</i>	-26.90	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	137.38	13.45
		<i>For Factory Installed Accessory, Deduct</i>	-26.90	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	182.65	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	154.08	13.45
		<i>For Factory Installed Accessory, Deduct</i>	-26.90	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	205.77	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	229.88	13.45
		<i>For Factory Installed Accessory, Deduct</i>	-26.90	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	395.60	13.45
		<i>For Factory Installed Accessory, Deduct</i>	-26.90	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	420.01	13.45
		<i>For Factory Installed Accessory, Deduct</i>	-26.90	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	502.53	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	876.37	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	876.37	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	53.72	10.09
		<i>For Factory Installed Accessory, Deduct</i>	-20.18	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	109.12	13.45
		<i>For Factory Installed Accessory, Deduct</i>	-26.90	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	144.11	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	113.28	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	62.97	10.09
		<i>For Factory Installed Accessory, Deduct</i>	-20.18	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	38.56	10.09
		<i>For Factory Installed Accessory, Deduct</i>	-20.18	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	200.33	13.45
		<i>For Factory Installed Accessory, Deduct</i>	-26.90	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	345.80	16.81
		<i>For Factory Installed Accessory, Deduct</i>	-33.63	
26 29 13 13-0300		Definite Purpose Starters (26 29 13 13)		
26 29 13 13-0301		Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	657.39	161.41
		<i>For Factory Installed Accessory, Deduct</i>	-322.81	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	656.27	161.41
		<i>For Factory Installed Accessory, Deduct</i>	-322.81	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	710.21	174.86
		<i>For Factory Installed Accessory, Deduct</i>	-349.71	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	697.95	161.41
		<i>For Factory Installed Accessory, Deduct</i>	-322.81	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	758.65	174.86
		<i>For Factory Installed Accessory, Deduct</i>	-349.71	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	734.00	161.41
		<i>For Factory Installed Accessory, Deduct</i>	-322.81	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	853.01	201.76
		<i>For Factory Installed Accessory, Deduct</i>	-403.52	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	946.52	201.76
		<i>For Factory Installed Accessory, Deduct</i>	-403.52	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	1,189.51	235.39
		<i>For Factory Installed Accessory, Deduct</i>	-470.77	
26 29 13 13-0311		NEMA 1, Definite Purpose Starter (26 29 13 13-0300)		



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Controllers		26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) <i>For Factory Installed Accessory, Deduct</i>	669.92 -295.91	147.95
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) <i>For Factory Installed Accessory, Deduct</i>	723.86 -322.81	161.41
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) <i>For Factory Installed Accessory, Deduct</i>	721.61 -322.81	161.41
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) <i>For Factory Installed Accessory, Deduct</i>	778.92 -349.71	174.86
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) <i>For Factory Installed Accessory, Deduct</i>	764.42 -322.81	161.41
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) <i>For Factory Installed Accessory, Deduct</i>	826.24 -349.71	174.86
26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) <i>For Factory Installed Accessory, Deduct</i>	802.72 -322.81	161.41
26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) <i>For Factory Installed Accessory, Deduct</i>	920.61 -403.52	201.76
26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) <i>For Factory Installed Accessory, Deduct</i>	1,010.73 -403.52	201.76
26 29 13 13-0321 EA NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) <i>For Factory Installed Accessory, Deduct</i>	1,254.85 -470.77	235.39
26 29 13 13-0322 Definite Purpose Starter Accessory (26 29 13 13-0300)		
26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit <i>For Factory Installed Accessory, Deduct</i>	205.77 -33.63	16.81
26 29 13 13-0324 Panel Mounted Miniature Contactor (26 29 13 13)		
26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)		
26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	198.72	67.25
26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	232.44	73.98
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	232.44	73.98
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	258.29	80.70
26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	219.00	67.25
26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	230.27	67.25
26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	251.59	73.98
26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	262.86	73.98
26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	258.35	73.98
26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	262.86	73.98
26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	280.82	80.70
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	269.62	73.98
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	292.09	80.70
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	271.87	73.98

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	271.87	73.98
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	303.35	80.70
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	303.35	80.70
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)				
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	280.96	67.25
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	303.49	67.25
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	336.08	73.98
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	336.08	73.98
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	358.61	73.98
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	376.58	80.70
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	376.58	80.70
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	322.64	67.25
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	345.17	67.25
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	375.51	73.98
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	398.04	73.98
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	422.77	80.70
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	445.30	80.70
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	363.12	73.98
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	416.07	73.98
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	470.08	80.70
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories (26 29 13 13-0324)				
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	84.94	33.63
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	93.63	33.63
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	109.39	33.63
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	140.71	33.63
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole (26 29 13 13)				
26 29 13 13-0366 NEMA 1 Enclosure (26 29 13 13-0365)				
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,819.75	644.68
		For NEMA 4, Add	812.88	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	13,600.10	859.57
		For NEMA 4, Add	1,484.78	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	23,714.53	1,020.73
		For NEMA 4, Add	2,709.95	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	57,594.25	1,249.06
		For NEMA 4, Add	6,888.39	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	91,814.19	1,598.25
		For NEMA 4, Add	11,077.05	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Controllers		26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0372 NEMA 12 Enclosure (26 29 13 13-0365)		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	7,765.58	658.38
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	13,501.17	860.91
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	23,533.95	1,017.51
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	57,135.24	1,243.54
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	91,076.07	1,598.92
26 29 13 13-0378 Factory Modifications Pilot Devices (26 29 13 13-0365)		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	191.52	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	211.22	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	359.54	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	195.35	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	280.89	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	140.44	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	458.40	
26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,842.64	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,779.73	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	629.19	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	521.35	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,435.31	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,453.89	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,473.85	
26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0365)		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0400 Combination Starters Non-Reversing (26 29 13 13)		
26 29 13 13-0401 240-600 Volt, 3-Pole (26 29 13 13-0400)		
26 29 13 13-0402 NEMA 1 With Disconnect (Safety) Switch (26 29 13 13-0401)		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,914.32	308.91
<i>For Electronic Overloads, Add</i>		245.58
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,336.78	483.51
<i>For Electronic Overloads, Add</i>		259.07
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,278.18	564.09
<i>For Electronic Overloads, Add</i>		410.20
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,992.56	698.40
<i>For Electronic Overloads, Add</i>		682.77
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,169.82	1,114.75
<i>For Electronic Overloads, Add</i>		1,316.96
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,360.49	1,396.79
<i>For Electronic Overloads, Add</i>		2,956.86
26 29 13 13-0409 NEMA 1 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,425.65	308.91
<i>For Electronic Overloads, Add</i>		342.73
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,848.11	483.51
<i>For Electronic Overloads, Add</i>		356.23
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,775.31	564.09
<i>For Electronic Overloads, Add</i>		504.66
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,262.42	698.40
<i>For Electronic Overloads, Add</i>		734.04
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	10,718.01	1,114.75
<i>For Electronic Overloads, Add</i>		1,611.12

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	22,465.34 3,736.78	1,396.79
26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	232.86	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	546.92	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	377.47	
26 29 13 13-0420 NEMA 4 With Disconnect (Safety) Switch (26 29 13 13-0401)		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,485.14 504.66	402.92
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,846.32 518.15	564.09
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,504.67 809.61	617.81
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	8,750.35 1,379.03	752.12
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	13,857.01 2,207.53	1,114.75
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	30,319.94 5,229.16	1,396.79
26 29 13 13-0427 NEMA 4 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,996.47 601.81	402.92
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,357.65 615.30	564.09
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	6,001.79 904.06	617.81
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	9,020.22 1,430.30	752.12
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	15,405.21 2,501.68	1,114.75
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	28,714.93 4,924.21	1,396.79
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	232.89	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	546.92	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	377.47	
26 29 13 13-0438 NEMA 12 With Disconnect (Safety) Switch (26 29 13 13-0401)		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,978.94 257.86	310.92
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,404.95 272.03	486.59
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,386.12 430.71	559.66
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,172.23 716.91	699.47
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	9,516.38 1,382.81	1,119.32
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	19,138.60 3,104.70	1,398.94
26 29 13 13-0445 NEMA 12 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,589.51 373.87	310.92
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,018.42 388.59	486.59
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,016.58 550.50	559.66
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,613.36 800.72	699.47
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	11,488.28 1,757.47	1,119.32
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	24,251.87 4,076.22	1,398.94
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	230.95	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	542.37	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	374.33	



Electrical		26	26
Low-Voltage Electrical Distribution		26 20	
Low-Voltage Controllers		26 29	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0401)				
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,548.67	644.68
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,160.81	859.57
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,729.41	1,181.90
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	9,980.97	1,611.68
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	15,017.76	2,256.36
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure (26 29 13 13-0401)				
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,384.82	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,384.82	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,384.82	
26 29 13 13-0466 Combination Starters Reversing (26 29 13 13)				
26 29 13 13-0467 240-600 Volt, 3 Pole (26 29 13 13-0466)				
26 29 13 13-0468 NEMA 1 With Disconnect (Safety) Switch (26 29 13 13-0467)				
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,369.34	402.92
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,762.65	564.09
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,990.64	617.81
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	6,044.38	752.12
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	11,772.37	1,114.75
26 29 13 13-0474 NEMA 1 With Circuit Breaker (26 29 13 13-0467)				
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,639.13	402.92
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,050.65	564.09
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,327.78	617.81
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,580.23	752.12
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,684.28	1,114.75
26 29 13 13-0480 NEMA 12 With Disconnect (Safety) Switch (26 29 13 13-0467)				
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,526.23	414.61
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,930.05	559.66
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,270.45	621.84
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	6,508.03	746.21
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	12,743.46	1,119.32
26 29 13 13-0486 NEMA 12 With Circuit Breaker (26 29 13 13-0467)				
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,823.50	414.61
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,247.37	559.66
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,641.92	621.84
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,996.61	746.21
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,748.25	1,119.32
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)				
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,524.49	859.57
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,951.57	1,074.46
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	8,541.90	1,396.79
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,549.24	1,826.57
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	24,642.88	2,471.25
26 29 13 13-0498 Solid State Motor Controllers (26 29 13 13)				
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)				
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,872.02	241.75
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	2,249.54	241.75
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters (26 29 13 13)				
Note: Includes storage and cleaning.				
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	959.34	
26 29 13 13-0504 Auxiliary Devices (26 29 13 13)				
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact.....	562.55	134.31
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact.....	562.55	134.31
26 29 13 13-0507	EA	Pilot Light Kit.....	592.21	134.31
26 29 23 Variable-Frequency Motor Controllers (26 29)				

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0001	208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives (26 29 23)			
	Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.			
26 29 23 00-0002	EA 3/4 HP, 208/230 Volt Variable Frequency Drive	2,278.50	493.22	
	For 6-Pulse Drive Package, Deduct	-710.56		
26 29 23 00-0003	EA 1 HP, 208/230 Volt Variable Frequency Drive	2,560.46	539.07	
	For 6-Pulse Drive Package, Deduct	-818.03		
26 29 23 00-0004	EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,967.05	592.74	
	For 6-Pulse Drive Package, Deduct	-979.86		
26 29 23 00-0005	EA 2 HP, 208/230 Volt Variable Frequency Drive	3,113.03	569.75	
	For 6-Pulse Drive Package, Deduct	-1,085.44		
26 29 23 00-0006	EA 3 HP, 208/230 Volt Variable Frequency Drive	3,340.04	621.19	
	For 6-Pulse Drive Package, Deduct	-1,153.71		
26 29 23 00-0007	EA 5 HP, 208/230 Volt Variable Frequency Drive	3,598.65	621.19	
	For 6-Pulse Drive Package, Deduct	-1,295.95		
26 29 23 00-0008	EA 7.5 HP, 208/230 Volt Variable Frequency Drive	4,299.43	741.70	
	For 6-Pulse Drive Package, Deduct	-1,548.82		
26 29 23 00-0009	EA 10 HP, 208/230 Volt Variable Frequency Drive	4,672.98	741.70	
	For 6-Pulse Drive Package, Deduct	-1,754.27		
26 29 23 00-0010	EA 15 HP, 208/230 Volt Variable Frequency Drive	6,198.98	1,116.77	
	For 6-Pulse Drive Package, Deduct	-2,180.99		
26 29 23 00-0011	EA 20 HP, 208/230 Volt Variable Frequency Drive	7,233.44	1,116.77	
	For 6-Pulse Drive Package, Deduct	-2,749.94		
26 29 23 00-0012	EA 25 HP, 208/230 Volt Variable Frequency Drive	8,857.61	1,483.52	
	For 6-Pulse Drive Package, Deduct	-3,239.87		
26 29 23 00-0013	EA 30 HP, 208/230 Volt Variable Frequency Drive	10,150.68	1,483.52	
	For 6-Pulse Drive Package, Deduct	-3,951.06		
26 29 23 00-0014	EA 40 HP, 208/230 Volt Variable Frequency Drive	11,271.35	1,483.52	
	For 6-Pulse Drive Package, Deduct	-4,567.43		
26 29 23 00-0015	EA 50 HP, 208/230 Volt Variable Frequency Drive	14,842.32	1,875.37	
	For 6-Pulse Drive Package, Deduct	-6,100.44		
26 29 23 00-0016	EA 60 HP, 208/230 Volt Variable Frequency Drive	17,885.02	2,218.52	
	For 6-Pulse Drive Package, Deduct	-7,396.39		
26 29 23 00-0017	EA 75 HP, 208/230 Volt Variable Frequency Drive	20,183.82	2,218.52	
	For 6-Pulse Drive Package, Deduct	-8,660.73		
26 29 23 00-0018	460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives (26 29 23)			
	Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.			
26 29 23 00-0019	EA 3 HP, 460/480 Volt Variable Frequency Drive	5,338.00	887.44	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-1,959.73		
26 29 23 00-0020	EA 5 HP, 460/480 Volt Variable Frequency Drive	5,510.41	887.44	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-2,054.55		
26 29 23 00-0021	EA 7.5 HP, 460/480 Volt Variable Frequency Drive	6,051.36	1,057.39	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-2,165.19		
26 29 23 00-0022	EA 10 HP, 460/480 Volt Variable Frequency Drive	6,080.09	1,057.39	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-2,180.99		
26 29 23 00-0023	EA 15 HP, 460/480 Volt Variable Frequency Drive	8,205.98	1,603.04	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-2,749.94		
26 29 23 00-0024	EA 20 HP, 460/480 Volt Variable Frequency Drive	8,608.27	1,603.04	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-2,971.20		
26 29 23 00-0025	EA 25 HP, 460/480 Volt Variable Frequency Drive	10,407.46	2,114.78	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-3,397.91		
26 29 23 00-0026	EA 30 HP, 460/480 Volt Variable Frequency Drive	11,844.22	2,114.78	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-4,188.13		
26 29 23 00-0027	EA 40 HP, 460/480 Volt Variable Frequency Drive	13,338.44	2,114.78	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-5,009.95		
26 29 23 00-0028	EA 50 HP, 460/480 Volt Variable Frequency Drive	17,441.12	2,686.27	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-6,637.79		
26 29 23 00-0029	EA 60 HP, 460/480 Volt Variable Frequency Drive	23,152.42	3,185.59	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-9,229.68		
26 29 23 00-0030	EA 75 HP, 460/480 Volt Variable Frequency Drive	24,531.70	3,185.59	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-9,988.29		
26 29 23 00-0031	EA 100 HP, 460/480 Volt Variable Frequency Drive	28,363.24	3,549.73	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-11,695.15		
26 29 23 00-0032	EA 125 HP, 460/480 Volt Variable Frequency Drive	29,857.46	3,549.73	
	Note: Wall mounted.			
	For 6-Pulse Drive Package, Deduct	-12,516.97		
26 29 23 00-0033	EA 150 HP, 460/480 Volt Variable Frequency Drive	32,960.84	3,549.73	
	Note: Floor mounted.			
	For 6-Pulse Drive Package, Deduct	-14,223.83		



		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Controllers	26 29	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	38,107.79 -16,246.77	4,284.10
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	47,437.12 -21,167.58	4,475.30
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	55,602.86 -24,932.79	5,135.25
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	63,872.13 -29,003.33	5,569.35
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	73,903.01 -34,031.61	6,013.75
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	79,660.59 -36,639.94	6,521.26

26 30 Facility Electrical Power Generating and Storing Equipment

(26)

26 31 Photovoltaic Collectors (26 30)

26 31 00 00-0001 Rigid Photovoltaic Modules (26 31)

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2,273.86 -164.16 -221.01 -328.32	127.59
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2,383.28 -172.37 -231.95 -344.73	127.59
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2,230.93 -160.94 -216.71 -321.88	127.59

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,781.13 -127.21 -171.73 -254.41	127.59
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2,025.38 -145.52 -196.16 -291.05	127.59
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2,064.07 -148.43 -200.03 -296.85	127.59
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,943.15 -139.36 -187.94 -278.71	127.59

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0001)

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	881.40 -59.73 -81.76 -119.45	127.59
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,086.95 -75.14 -102.32 -150.28	127.59
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,169.18 -81.31 -110.54 -162.62	127.59

26 31 00 00-0015 Photovoltaic Inverters (26 31)

26 31 00 00-0016 Fronius Photovoltaic Inverters (26 31 00 00-0015)

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,410.15	134.31
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,134.28	134.31

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0019	EA		6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,530.39	134.31
26 31 00 00-0020	EA		7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,419.12	134.31
26 31 00 00-0021	EA		10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,327.96	134.31
26 31 00 00-0022	EA		12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,491.82	134.31
26 31 00 00-0023	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,623.50	268.62
26 31 00 00-0024	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	15,973.11	268.62
26 31 00 00-0025	EA		Inverter Display Stand (Fronius 4,045,894)	476.98	67.15
26 31 00 00-0026 SMA Photovoltaic Inverters (26 31 00 00-0015)					
26 31 00 00-0027	EA		4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	4,019.35	134.31
26 31 00 00-0028	EA		5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,823.29	134.31
26 31 00 00-0029	EA		6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,572.52	134.31
26 31 00 00-0030	EA		7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,144.49	134.31
26 31 00 00-0031	EA		8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	5,951.82	134.31
26 31 00 00-0032 PVPowered Photovoltaic Inverters (26 31 00 00-0015)					
26 31 00 00-0033	EA		120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	4,972.53	134.31
26 31 00 00-0034	EA		240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,200.28	134.31
26 31 00 00-0035	EA		240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,744.96	134.31
26 31 00 00-0036	EA		240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,812.29	167.89
26 31 00 00-0037	EA		208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,305.46	201.46
26 31 00 00-0038	EA		240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,374.80	201.46
26 31 00 00-0039	EA		240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,836.26	201.46
26 31 00 00-0040	EA		208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,283.57	1,074.46
26 31 00 00-0041	EA		480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,422.85	1,074.46
26 31 00 00-0042	EA		208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	114,072.94	1,074.46
26 31 00 00-0043	EA		480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	105,755.23	1,074.46
26 31 00 00-0044 Solectria Photovoltaic Inverters (26 31 00 00-0015)					
26 31 00 00-0045	EA		208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,561.96	268.62
26 31 00 00-0046	EA		208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,561.96	268.62
26 31 00 00-0047	EA		208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	17,045.92	268.62
26 31 00 00-0048	EA		480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	17,045.92	268.62
26 31 00 00-0049	EA		208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	51,890.63	805.84
26 31 00 00-0050	EA		480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	49,470.79	805.84
26 31 00 00-0051	EA		208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	56,730.32	805.84
26 31 00 00-0052	EA		480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	55,385.96	805.84
26 31 00 00-0053	EA		208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	60,225.65	805.84
26 31 00 00-0054	EA		480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	57,536.93	805.84
26 31 00 00-0055	EA		208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	63,451.59	1,074.46
26 31 00 00-0056	EA		480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	60,494.00	1,074.46
26 31 00 00-0057	EA		208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	65,871.43	1,074.46
26 31 00 00-0058	EA		480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	62,376.10	1,074.46
26 31 00 00-0059 Xantrex Photovoltaic Inverters (26 31 00 00-0015)					
26 31 00 00-0060	EA		0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	694.09	33.58
26 31 00 00-0061	EA		1 KW Photovoltaic Inverter (Xantrex 806-1210)	756.37	33.58
26 31 00 00-0062	EA		2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,214.00	33.58
26 31 00 00-0063 Photovoltaic DC-DC Converters (26 31)					
26 31 00 00-0064	EA		15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)	410.27	50.36
			Note: Hazardous locations.		
26 31 00 00-0065	EA		20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	274.85	50.36
26 31 00 00-0066	EA		60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	758.51	50.36
26 31 00 00-0067 Photovoltaic Combiner Boxes (26 31)					
26 31 00 00-0068 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)					
26 31 00 00-0069	EA		3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	496.97	134.31
26 31 00 00-0070	EA		6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	484.43	134.31
26 31 00 00-0071	EA		12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	769.89	201.46
26 31 00 00-0072	EA		6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	774.28	201.46
26 31 00 00-0073	EA		16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,181.09	201.46
26 31 00 00-0074 SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)					
26 31 00 00-0075	EA		6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,088.89	134.31
26 31 00 00-0076	EA		12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,302.61	134.31
26 31 00 00-0077	EA		28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,523.52	268.62
26 31 00 00-0078	EA		52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,777.52	268.62
26 31 00 00-0079	EA		4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	973.23	134.31



Electrical		26
Facility Electrical Power Generating and Storing Equipment		26 30
Photovoltaic Collectors		26 31

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0080 Photovoltaic Charge Controller (26 31)		
26 31 00 00-0081 EA 35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	328.05	50.36
26 31 00 00-0082 EA 40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	436.87	50.36
26 31 00 00-0083 EA 60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	509.42	50.36
26 31 00 00-0084 EA Remote Digital Meter For Xantrex C-35, 40 And 60	390.93	50.36
26 31 00 00-0085 EA MPPT Charge Controller (Xantrex XW SCC)	1,348.18	67.15
26 31 00 00-0086 Photovoltaic Batteries (26 31)		
26 31 00 00-0087 Concorde Photovoltaic Batteries (26 31 00 00-0086)		
26 31 00 00-0088 EA 34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	301.22	20.15
26 31 00 00-0089 EA 45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	379.89	26.86
26 31 00 00-0090 EA 49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	411.52	26.86
26 31 00 00-0091 EA 56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	471.97	40.29
26 31 00 00-0092 EA 69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	537.20	40.29
26 31 00 00-0093 EA 89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	637.62	47.00
26 31 00 00-0094 EA 104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	731.24	53.73
26 31 00 00-0095 EA 108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	722.80	53.73
26 31 00 00-0096 EA 210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	1,323.51	63.80
26 31 00 00-0097 EA 255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	1,530.27	67.15
26 31 00 00-0098 Deka Photovoltaic Batteries (26 31 00 00-0098)		
26 31 00 00-0099 EA 31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	316.33	33.63
26 31 00 00-0100 EA 50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	434.83	33.63
26 31 00 00-0101 EA 74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24).....	640.39	33.63
26 31 00 00-0102 EA 86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27).....	732.28	33.63
26 31 00 00-0103 EA 98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31).....	734.70	33.63
26 31 00 00-0104 EA 183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	1,421.50	33.63
26 31 00 00-0105 EA 225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,643.98	33.63
26 31 00 00-0106 Battery Enclosures (26 31 00 00-0086)		
26 31 00 00-0107 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	357.35	33.58
26 31 00 00-0108 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,743.13	33.63
26 31 00 00-0109 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	1,639.15	33.63
26 31 00 00-0110 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	2,183.26	33.63
26 31 00 00-0111 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	974.11	33.63
26 31 00 00-0112 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	2,287.25	33.63
26 31 00 00-0113 Photovoltaic System Monitoring (26 31)		
26 31 00 00-0114 EA Solar Inverter Monitor (Xantrex 864-0203).....	753.88	67.15
26 31 00 00-0115 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	1,552.59	33.58
26 31 00 00-0116 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	1,297.53	33.58
26 31 00 00-0117 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	240.83	33.58
26 31 00 00-0118 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	594.47	67.15
26 31 00 00-0119 EA Sunny Boy Control with RS485 (SMA).....	1,527.20	33.58
26 31 00 00-0120 EA RS 485 Module (SMA).....	348.62	33.58
26 31 00 00-0121 EA RS 232 Module (SMA).....	357.35	33.58
26 31 00 00-0122 EA Wireless Monitor with Bluetooth (SMA Sunny Beam).....	670.47	
26 31 00 00-0123 EA Bluetooth Piggy-Back Computer Card (SMA).....	362.05	33.58
26 31 00 00-0124 EA RS485-N Communication Computer Card (SMA).....	359.62	33.58
26 31 00 00-0125 EA Bluetooth Repeater (SMA).....	677.68	33.58
26 31 00 00-0126 EA Sunny Boy PC Service Cable (SMA).....	321.68	10.07
26 31 00 00-0127 EA Integrated Revenue Grade Meter, Option (PVPowered).....	6,202.94	
26 31 00 00-0128 EA Data Monitoring Module (PVPowered PVM1010).....	676.26	33.58
26 31 00 00-0129 EA Wireless IG Personal Display (Fronius 4,240,108).....	681.08	
26 31 00 00-0130 EA DatCom Power Supply (Fronius 43,0001,2311).....	221.94	
26 31 00 00-0131 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	403.24	33.58
26 31 00 00-0132 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	341.33	33.58
26 31 00 00-0133 EA Datalogger Pro Box (Fronius 4,240,102).....	1,337.44	33.58
26 31 00 00-0134 EA Datalogger Easy Box (Fronius 4,240,103).....	870.35	33.58
26 31 00 00-0135 EA Datalogger Interface Box (Fronius 4,240,105).....	1,509.81	33.58
26 31 00 00-0136 EA Datalogger Web (Fronius 4,240,122).....	2,593.67	33.58
26 31 00 00-0137 EA Interface Box (Fronius 4,240,109).....	697.61	33.58
26 31 00 00-0138 EA Interface Card (Fronius 4,240,009,Z).....	498.05	33.58
26 31 00 00-0139 EA Interface Card Easy (Fronius 4,240,013,Z).....	328.77	33.58
26 31 00 00-0140 EA Sensor Box (Fronius 4,240,104).....	1,396.78	33.58
26 31 00 00-0141 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	155.79	33.58
26 31 00 00-0142 EA Irradiance Sensor (Fronius 43,0001,1188).....	485.77	33.58
26 31 00 00-0143 EA Module Temperature Sensor (Fronius 43,0001,1190).....	540.89	33.58
26 31 00 00-0144 EA Wind Speed Sensor (Fronius 42,0411,0027).....	287.70	67.15
26 31 00 00-0145 Photovoltaic System Accessories (26 31)		
26 31 00 00-0146 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	1,032.06	67.15

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0147 EA Line Communication Filter (Enphase LCF).....	2,249.21	134.31
26 31 00 00-0148 EA 15 Meter RS 485 Communication Cable (SMA)	172.50	10.07
26 31 00 00-0149 EA 15 Meter RS 232 Communication Cable (SMA)	259.56	10.07
26 31 00 00-0150 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	39.78	3.33
26 31 00 00-0151 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	42.70	3.33
26 31 00 00-0152 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	44.35	3.33
26 31 00 00-0153 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	48.92	3.33
26 31 00 00-0154 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	55.78	3.33
26 31 00 00-0155 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	88.71	6.64
26 31 00 00-0156 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	109.99	6.64
26 31 00 00-0157 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	144.48	9.97
26 31 00 00-0158 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	50.06	3.33
26 31 00 00-0159 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	69.49	3.33
26 31 00 00-0160 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	102.42	6.64
26 31 00 00-0161 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	136.70	6.64
26 31 00 00-0162 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	221.97	13.30
26 31 00 00-0163 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	231.65	13.30
26 31 00 00-0164 EA Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery.....	4,128.38	362.62
Note: Tamper proof enclosure.		
26 31 00 00-0165 Photovoltaic Mounting Systems (26 31)		
26 31 00 00-0166 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	14.22	3.36
26 31 00 00-0167 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	41.16	16.78
26 31 00 00-0168 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	51.93	16.78
26 31 00 00-0169 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	27.31	6.71
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0170 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	13.08	5.04
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171 EA Mounting Rail Grounding Lugs (UNIRAC 980012)	27.81	6.71
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0172 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	7.48	2.24
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	7.83	2.24
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0174 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065)	19.46	6.71
26 31 00 00-0175 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	115.56	33.58
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0176 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)	127.75	33.58
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)	137.57	33.58
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)	169.80	50.36
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0179 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)	206.36	50.36
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)	239.54	50.36
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)	264.32	67.15
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)	351.67	67.15
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	494.65	100.73
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	241.57	
Note: Excludes ballast.		
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	449.57	
Note: Excludes ballast.		
26 31 00 00-0186 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	91.22	33.58
26 31 00 00-0187 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	92.34	33.58
26 31 00 00-0188 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	93.36	33.58
26 31 00 00-0189 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	95.93	33.58
26 31 00 00-0190 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	84.42	33.58
26 31 00 00-0191 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	85.71	33.58
26 31 00 00-0192 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	89.50	33.58
26 31 00 00-0193 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	88.42	33.58
26 31 00 00-0194 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	174.54	50.36
26 31 00 00-0195 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	175.32	50.36
26 31 00 00-0196 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	177.62	50.36
26 31 00 00-0197 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	175.21	50.36
26 31 00 00-0198 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	34.70	6.71
26 31 00 00-0199 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	22.94	6.71
26 31 00 00-0200 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	43.44	10.07



Electrical		26
Facility Electrical Power Generating and Storing Equipment		26 30
Photovoltaic Collectors		26 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0201 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	45.20	10.07
26 31 00 00-0202 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	12.60	2.24
26 31 00 00-0203 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	57.33	6.71
26 31 00 00-0204 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	2.98	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0773 for fuel reimbursement for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0752 for loadbank rental, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002 EA 20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	34,807.81	1,154.02
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
For Single Phase, Add	1,292.65	
26 32 13 13-0003 EA 25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	36,608.48	1,218.94
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
For Single Phase, Add	1,425.41	
26 32 13 13-0004 EA 30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	38,438.12	1,287.45
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
For Single Phase, Add	1,425.41	
26 32 13 13-0005 EA 35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,233.99	1,420.90
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0006 EA 40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	40,044.44	1,557.93
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0007 EA 50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	46,972.38	1,788.74
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0008 EA 60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	50,610.00	2,055.61
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0009 EA 80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	59,449.00	2,409.03
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0010 EA 100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	63,901.92	2,798.51
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0011 EA 125 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	65,393.55	3,317.82
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0012 EA 150 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	72,290.96	3,656.81
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0013 EA 175 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	75,947.17	4,082.36
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0014 EA 200 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	80,703.15	4,471.85
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0015 EA 230 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	86,972.34	4,724.29
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0016 EA 250 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	90,637.33	4,919.03
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0017 EA 275 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	98,609.39	5,185.89
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0018 EA 300 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	100,770.97	5,416.70
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0019 EA 350 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	113,547.80	6,058.63
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0020 EA 400 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	122,222.11	6,635.64
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0021 EA 450 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	137,918.39	7,147.74
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0022 EA 500 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	145,039.53	7,616.56
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	



Electrical		26	26
Facility Electrical Power Generating and Storing Equipment		26 30	
Packaged Generator Assemblies		26 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0023 EA 600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	210,479.27 103,073.17 124,124.18 165,498.90 121,234.12 144,602.80 192,803.73	8,388.32
26 32 13 13-0024 EA 750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	241,000.44 103,073.17 124,124.18 165,498.90 121,234.12 144,602.80 192,803.73	9,224.99
26 32 13 13-0025 EA 800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	251,644.21 103,073.17 124,124.18 165,498.90 121,234.12 144,602.80 192,803.73	9,426.93
26 32 13 13-0026 EA 900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	306,836.00 103,073.17 124,124.18 165,498.90 121,234.12 144,602.80 192,803.73	10,162.62
26 32 13 13-0027 EA 1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	342,767.45 103,073.17 124,124.18 165,498.90 121,234.12 144,602.80 192,803.73	10,818.98
26 32 13 13-0028 Diesel Particulate Filters (26 32 13 13)		
26 32 13 13-0029 EA Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	37,367.64	
26 32 13 13-0030 EA >50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	48,845.38	
26 32 13 13-0031 EA >75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	59,183.08	
26 32 13 13-0032 EA >100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	72,597.70	
26 32 13 13-0033 EA >200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	85,336.05	
26 32 13 13-0034 EA >500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	106,601.67	
26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)		
26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) (26 32 13 19) Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0752 for loadbank rental, 01 22 23 00-0773 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,556.64 4,665.25 12,070.42 16,093.89 5,052.81 8,383.09	966.50
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	17,577.97 4,665.25 12,070.42 16,093.89 5,052.81 8,383.09	1,154.02
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	20,278.83 4,665.25 12,070.42 16,093.89 5,052.81 8,383.09	1,283.85

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	22,995.86	1,420.90
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	25,799.28	1,557.93
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	27,956.94	1,680.55
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	30,619.48	2,055.61
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	32,869.00	2,300.83
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	43,042.81	2,459.51
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	51,827.47	2,769.66
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	59,385.61	3,317.82
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	70,528.16	3,656.81
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	113,758.77	9,726.84
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	129,098.46	4,392.50
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	138,852.87	4,919.03
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	179,408.39	5,416.70
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	192,610.28	6,058.63
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	



Electrical		26
Facility Electrical Power Generating and Storing Equipment		26 30
Packaged Generator Assemblies		26 32

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	270,364.98 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	7,147.74
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	345,552.83 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	7,616.56
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	386,575.27 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	8,027.68
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	440,190.93 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	8,388.32
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	460,251.58 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	8,705.67
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	486,826.13 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	9,304.32
26 32 13 19-0025 Small Natural Gas Or Propane Air-Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air-Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,292.39	620.09
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air-Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,665.75	688.98
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air-Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,684.84	757.88
26 32 29 Rotary Converters (26 32)		
26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)		
26 32 29 00-0002 EA 3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,158.30	268.62
26 32 29 00-0003 EA 5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	12,371.39	268.62
26 32 29 00-0004 EA 7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,385.54	268.62
26 32 29 00-0005 EA 10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,514.36	268.62
26 32 29 00-0006 EA 15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	18,333.20	335.77
26 32 29 00-0007 EA 20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	19,853.80	335.77
26 32 29 00-0008 EA 25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	20,788.88	335.77
26 32 29 00-0009 EA 40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	25,316.73	443.22
26 32 29 00-0010 EA 50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	28,135.78	443.22
26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)		
26 32 29 00-0012 EA 3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	11,760.46	268.62
26 32 29 00-0013 EA 5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	14,022.10	268.62
26 32 29 00-0014 EA 7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,036.94	268.62
26 32 29 00-0015 EA 10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,481.67	268.62
26 32 29 00-0016 EA 15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	18,669.66	335.77
26 32 29 00-0017 EA 20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	20,531.08	335.77
26 32 29 00-0018 EA 25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	21,208.36	335.77
26 32 29 00-0019 EA 40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	25,216.23	443.22
26 32 29 00-0020 EA 50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	26,749.94	443.22
26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)		
26 32 29 00-0022 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	29,568.10	5,048.86
26 32 29 00-0023 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	32,784.54	5,048.86
26 32 29 00-0024 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	37,284.80	7,212.65
26 32 29 00-0025 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	43,511.24	7,212.65
26 32 29 00-0026 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	49,388.90	7,212.65
26 32 29 00-0027 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	57,975.77	10,818.98
26 32 29 00-0028 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	70,256.28	10,818.98

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0029			4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC ^(26 32 29)		
26 32 29 00-0030	EA		170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	102,687.94	14,425.31
26 32 29 00-0031	EA		200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	111,892.76	14,425.31
26 32 29 00-0032	EA		240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	134,613.51	18,752.90
26 32 29 00-0033	EA		320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	153,021.18	22,791.98
26 32 29 00-0034	EA		400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	181,284.67	22,791.98
26 32 29 00-0035	EA		560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	257,125.06	34,043.73
26 32 29 00-0036	EA		640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	266,016.37	34,043.73
26 32 29 00-0037	EA		800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	306,325.89	39,669.59
26 33 Battery Equipment ^(26 30)					
26 33 13 Batteries ^(26 33)					
26 33 13 00-0001			Standby Batteries ^(26 33 13)		
26 33 13 00-0002	EA		12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,244.36	33.63
26 33 13 00-0003	EA		12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	1,344.11	33.63
26 33 13 00-0004	EA		725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	374.38	33.63
26 33 13 00-0005	EA		810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	340.60	33.63
26 33 13 00-0006	EA		1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	581.46	33.63
26 33 13 00-0007	EA		1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	674.79	33.63
26 33 43 Battery Chargers ^(26 33)					
26 33 43 00-0001			Solid State Chargers, Single Phase ^(26 33 43)		
			Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002	EA		Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,588.31	766.95
26 33 43 00-0003	EA		Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,185.72	766.95
26 33 43 00-0004	EA		Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,607.26	766.95
26 33 43 00-0005	EA		Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,876.32	908.06
26 33 53 Static Uninterruptible Power Supply ^(26 33)					
26 33 53 00-0001			Single Phase, Uninterruptible Power Supply Systems (UPS) ^(26 33 53)		
26 33 53 00-0002			Single Phase, Uninterruptible Power Supply Systems (UPS) ^(26 33 53 00-0001)		
26 33 53 00-0003			120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002)		
			Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA		0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (Liebert® GXT3-500RT120).....	1,139.51	132.97
			Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005	EA		0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (Liebert® GXT3-700RT120).....	1,359.32	155.12
			Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006	EA		1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (Liebert® GXT3-1000RT120).....	1,668.58	177.28
			Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007	EA		1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	2,029.85	199.45
			Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008	EA		2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (Liebert® GXT3-2000RT120).....	2,587.71	221.60
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009	EA		3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (Liebert® GXT3-3000RT120).....	4,122.62	265.93
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0010			208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002)		
			Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA		3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (Liebert® GXT3-3000RT208).....	4,049.14	265.93
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0012			120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002)		
			Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA		5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	6,218.67	354.57
			Note: Includes 5 minutes of battery backup at full load.		



Electrical		26	26
Facility Electrical Power Generating and Storing Equipment		26 30	
Battery Equipment		26 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0014 EA 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	6,806.10	398.89
26 33 53 00-0015 EA 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	10,123.17	487.53
26 33 53 00-0016 EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	11,622.56	531.85
26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,359.32	155.12
26 33 53 00-0019 EA 1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,668.58	177.28
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	2,051.56	199.45
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,592.94	221.60
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,138.93	265.93
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	5,973.29	354.57
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,316.27	398.89
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	11,271.78	531.85
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems (26 33 53 00-0001)		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	725.33	40.29
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	946.06	40.29
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	921.49	40.29
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	630.25	40.29
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT) Note: Rack mount or tower configuration.	978.06	132.97
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT) Note: Rack mount or tower configuration.	1,112.36	177.28
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
26 33 53 00-0034 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (26 33 53 00-0033) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035 EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	43,195.91	531.85
26 33 53 00-0036 EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	47,851.39	709.14
26 33 53 00-0037 EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	53,511.31	886.42
26 33 53 00-0038 EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	58,066.34	1,063.72
26 33 53 00-0039 EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	69,853.40	1,241.00
26 33 53 00-0040 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033) Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041 EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.	94,837.19	2,115.34

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	103,246.70	2,618.98
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	114,232.49	3,055.48
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	140,919.29	3,458.40
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	146,380.59	3,861.32
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	152,139.82	4,264.25
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	159,104.39	4,667.16
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	166,068.96	5,070.09
26 33 53 00-0049		480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033) Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	88,507.16	1,745.99
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	114,835.16	3,068.91
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	156,791.59	3,545.70
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	184,583.27	3,894.90
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	215,790.08	4,297.83
26 33 53 00-0055		Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	657.08	67.15
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	1,044.34	67.15
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	2,049.95	134.31
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	6,456.94	537.22
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	657.63	67.15
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	359.61	67.15
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	403.10	67.15
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	446.59	67.15
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	524.86	67.15
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	550.96	67.15
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	685.77	67.15
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	718.39	67.15
26 33 53 00-0068		Other Uninterruptable Power Supply Equipment (26 33 53)		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	6,437.33	122.71
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	7,750.33	245.42
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	33.94	7.37
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	61.10	9.20
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	114.48	9.20
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	167.60	12.27
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	238.06	12.27
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel.....	4,408.94	122.71
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board.....	1,465.13	92.03
26 35		Power Filters and Conditioners (26 30)		
26 35 33		Power Factor Correction Equipment (26 35)		
26 35 33 16		Low-Voltage Power Factor Correction Equipment (26 35 33)		
26 35 33 16-0001		Power Factor Correction Capacitors (26 35 33 16)		
26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC.....	1,058.07	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC.....	1,171.84	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC.....	1,285.61	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC.....	1,394.83	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC.....	1,713.39	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC.....	2,093.39	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC.....	3,233.38	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC.....	3,927.38	



Electrical		26	26
Facility Electrical Power Generating and Storing Equipment		26 30	
Power Filters and Conditioners		26 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 33 16-0010 EA Power Factor Correction Capacitors, 25.0 KVAC	5,074.19	
26 35 33 16-0011 EA Power Factor Correction Capacitors, 30.0 KVAC	5,770.47	
26 35 33 16-0012 EA Power Factor Correction Capacitors, 50.0 KVAC	10,125.63	
26 35 33 16-0013 EA Power Factor Correction Capacitors, 75.0 KVAC	15,224.85	
26 35 33 16-0014 EA Power Factor Correction Capacitors, 100.0 KVAC	20,301.32	
26 35 33 16-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	942.02	
26 35 43 Static-Frequency Converters (26 35)		
26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)		
26 35 43 00-0002 EA 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	754.09	134.31
26 35 43 00-0003 EA 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,308.64	161.17
26 35 43 00-0004 EA 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,501.03	214.89
26 35 43 00-0005 EA 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,059.53	268.62
26 35 43 00-0006 EA 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,834.75	349.20
26 35 43 00-0007 EA 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,661.13	429.78
26 35 43 00-0008 EA 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,589.84	510.37
26 35 43 00-0009 EA 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,594.04	577.52
26 35 43 00-0010 EA 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,501.00	698.40
26 35 43 00-0011 EA 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,443.15	785.70
26 35 43 00-0012 EA 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,385.30	872.99
26 35 43 00-0013 EA 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,410.94	1,054.31
26 35 43 00-0014 EA 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	13,527.16	1,269.20
26 35 43 00-0015 EA 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	17,148.01	1,544.53
26 35 43 00-0016 EA 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	19,616.27	1,806.43
26 35 43 00-0017 EA 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	25,251.98	2,014.60
26 35 43 00-0018 EA 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	38,581.72	2,283.22
26 35 43 00-0019 EA 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	57,540.16	2,551.83
26 35 53 Voltage Regulators (26 35)		
26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)		
Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,750.40	2,135.48
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,861.67	2,686.14
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	9,884.97	3,196.51
26 36 Transfer Switches (26 36)		
26 36 13 Manual Transfer Switches (26 36)		
26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)		
26 36 13 00-0002 EA 30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,470.40	235.04
26 36 13 00-0003 EA 60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,714.68	291.98
26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 13)		
26 36 13 00-0005 EA 40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	3,722.74	344.49
For NEMA 3R Enclosure, Add		1,193.86
For NEMA 12 Enclosure, Add		1,123.62
26 36 13 00-0006 EA 70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	4,123.22	413.39
For NEMA 3R Enclosure, Add		1,193.86
For NEMA 12 Enclosure, Add		1,123.62
26 36 13 00-0007 EA 125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	4,679.51	482.29
For NEMA 3R Enclosure, Add		1,193.86
For NEMA 12 Enclosure, Add		1,123.62
26 36 13 00-0008 EA 150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	5,812.30	551.18
For NEMA 3R Enclosure, Add		1,404.54
For NEMA 12 Enclosure, Add		1,123.62
26 36 13 00-0009 EA 225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	7,196.93	620.09
For NEMA 3R Enclosure, Add		1,404.54
For NEMA 12 Enclosure, Add		1,123.62
26 36 13 00-0010 EA 260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	8,091.88	688.98
For NEMA 3R Enclosure, Add		1,404.54
For NEMA 12 Enclosure, Add		1,123.62
26 36 13 00-0011 EA 300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	9,000.99	757.88
For NEMA 3R Enclosure, Add		1,657.35
For NEMA 12 Enclosure, Add		1,404.54
26 36 13 00-0012 EA 400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	10,570.68	826.78
For NEMA 3R Enclosure, Add		1,657.35
For NEMA 12 Enclosure, Add		1,404.54
26 36 13 00-0013 EA 600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	13,983.06	1,033.47
For NEMA 3R Enclosure, Add		1,657.35
For NEMA 12 Enclosure, Add		1,404.54
26 36 13 00-0014 EA 800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	15,727.90	1,240.17
For NEMA 3R Enclosure, Add		2,036.56
For NEMA 12 Enclosure, Add		1,966.35
26 36 13 00-0015 EA 1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	20,931.90	1,731.04
For NEMA 3R Enclosure, Add		2,036.56
For NEMA 12 Enclosure, Add		1,966.35

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,355.06	482.29
		For Level 2 Controller, Add	185.26	
		For Level 3 Controller, Add	362.48	
		For Level 4 Controller, Add	555.79	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,566.07	620.09
		For Level 2 Controller, Add	257.76	
		For Level 3 Controller, Add	532.14	
		For Level 4 Controller, Add	773.27	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	7,266.03	826.78
		For Level 2 Controller, Add	434.97	
		For Level 3 Controller, Add	898.00	
		For Level 4 Controller, Add	1,304.90	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	11,832.68	1,033.47
		For Level 2 Controller, Add	756.84	
		For Level 3 Controller, Add	1,562.52	
		For Level 4 Controller, Add	2,270.53	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	5,558.96	344.49
		For Level 2 Controller, Add	377.42	
		For Level 3 Controller, Add	779.20	
		For Level 4 Controller, Add	1,132.27	
		For NEMA 3R Enclosure, Add	1,193.86	
		For NEMA 4 Enclosure, Add	1,264.08	
		For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	6,416.55	413.39
		For Level 2 Controller, Add	433.21	
		For Level 3 Controller, Add	894.36	
		For Level 4 Controller, Add	1,299.62	
		For NEMA 3R Enclosure, Add	1,193.86	
		For NEMA 4 Enclosure, Add	1,264.08	
		For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100).....	6,733.97	447.84
		For Level 2 Controller, Add	452.47	
		For Level 3 Controller, Add	934.13	
		For Level 4 Controller, Add	1,357.40	
		For NEMA 3R Enclosure, Add	1,193.86	
		For NEMA 4 Enclosure, Add	1,264.08	
		For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	7,051.39	482.29
		For Level 2 Controller, Add	471.73	
		For Level 3 Controller, Add	973.89	
		For Level 4 Controller, Add	1,415.18	
		For NEMA 3R Enclosure, Add	1,193.86	
		For NEMA 4 Enclosure, Add	1,264.08	
		For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	8,390.59	551.18
		For Level 2 Controller, Add	564.84	
		For Level 3 Controller, Add	1,166.11	
		For Level 4 Controller, Add	1,694.51	
		For NEMA 3R Enclosure, Add	1,404.54	
		For NEMA 4 Enclosure, Add	1,825.89	
		For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	9,581.70	620.09
		For Level 2 Controller, Add	646.47	
		For Level 3 Controller, Add	1,334.64	
		For Level 4 Controller, Add	1,939.41	
		For NEMA 3R Enclosure, Add	1,404.54	
		For NEMA 4 Enclosure, Add	1,825.89	
		For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	10,573.22	688.98
		For Level 2 Controller, Add	712.63	
		For Level 3 Controller, Add	1,471.24	
		For Level 4 Controller, Add	2,137.90	
		For NEMA 3R Enclosure, Add	1,404.54	
		For NEMA 4 Enclosure, Add	1,825.89	
		For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	11,044.52	757.88
		For Level 2 Controller, Add	738.48	
		For Level 3 Controller, Add	1,524.60	
		For Level 4 Controller, Add	2,215.44	
		For NEMA 3R Enclosure, Add	1,657.35	
		For NEMA 4 Enclosure, Add	1,966.35	
		For NEMA 12 Enclosure, Add	1,404.54	



Electrical		26
Facility Electrical Power Generating and Storing Equipment		26 30
Transfer Switches		26 36

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0016 EA 400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400) For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add	12,493.17 840.07 1,734.34 2,520.21 1,657.35 1,966.35 1,404.54	826.78
26 36 23 00-0017 EA 600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600) For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add	17,130.12 1,167.40 2,410.11 3,502.19 1,657.35 1,966.35 1,404.54	1,033.47
26 36 23 00-0018 EA 800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800) For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add	19,203.32 1,296.03 2,675.68 3,888.09 2,036.56 2,247.26 1,966.35	1,240.17
26 36 23 00-0019 EA 1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000) For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add	24,994.49 1,668.76 3,445.19 5,006.29 2,036.56 2,247.26 1,966.35	1,731.04
26 36 23 00-0020 EA 1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200) For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add	32,483.49 2,226.80 4,597.27 6,680.40 4,494.50 2,528.16 2,106.80	1,875.29
26 36 23 00-0021 EA 1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600) For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add	34,612.17 2,347.05 4,845.53 7,041.16 7,303.55 8,988.98 7,303.55	2,163.80
26 36 23 00-0022 EA 2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000) For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add	39,577.32 2,687.14 5,547.64 8,061.41 7,303.55 8,988.98 7,303.55	2,452.31
26 36 23 00-0023 EA 3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000) For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add For NEMA 3R Enclosure, Add	47,791.28 3,234.28 6,677.22 9,702.84 7,303.55	3,029.32
26 36 23 00-0024 EA 4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000) For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add For NEMA 3R Enclosure, Add	83,149.64 5,885.12 12,149.92 17,655.35 13,539.65	3,606.33
26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		
26 36 23 00-0026 EA 150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)..... For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add	27,559.10 2,457.94 2,528.16 1,334.32 1,730.02 3,571.65 5,190.06	2,618.14
26 36 23 00-0027 EA 225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)..... For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add	28,764.64 2,457.94 2,528.16 1,334.32 1,802.09 3,720.44 5,406.27	2,755.93
26 36 23 00-0028 EA 260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)..... For NEMA 3R Enclosure, Add For NEMA 4 Enclosure, Add For NEMA 12 Enclosure, Add For Level 2 Controller, Add For Level 3 Controller, Add For Level 4 Controller, Add	30,152.86 2,457.94 2,528.16 1,334.32 1,888.32 3,898.46 5,664.96	2,893.73

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0029 EA 300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	33,701.39	2,962.62
For NEMA 3R Enclosure, Add	2,457.94	
For NEMA 4 Enclosure, Add	2,528.16	
For NEMA 12 Enclosure, Add	1,334.32	
For Level 2 Controller, Add	2,152.65	
For Level 3 Controller, Add	4,444.18	
For Level 4 Controller, Add	6,457.95	
26 36 23 00-0030 EA 400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	38,965.55	3,031.53
For NEMA 3R Enclosure, Add	2,457.94	
For NEMA 4 Enclosure, Add	2,528.16	
For NEMA 12 Enclosure, Add	1,334.32	
For Level 2 Controller, Add	2,549.94	
For Level 3 Controller, Add	5,264.40	
For Level 4 Controller, Add	7,649.83	
26 36 23 00-0031 EA 600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	46,870.26	3,169.32
For NEMA 3R Enclosure, Add	2,457.94	
For NEMA 4 Enclosure, Add	2,528.16	
For NEMA 12 Enclosure, Add	1,404.54	
For Level 2 Controller, Add	3,141.20	
For Level 3 Controller, Add	6,485.06	
For Level 4 Controller, Add	9,423.60	
26 36 23 00-0032 EA 800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	51,703.54	3,307.12
For NEMA 3R Enclosure, Add	2,528.16	
For NEMA 4 Enclosure, Add	2,528.16	
For NEMA 12 Enclosure, Add	1,544.99	
For Level 2 Controller, Add	3,494.42	
For Level 3 Controller, Add	7,214.29	
For Level 4 Controller, Add	10,483.26	
26 36 23 00-0033 EA 1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	65,018.84	3,858.31
For NEMA 3R Enclosure, Add	2,528.16	
For NEMA 4 Enclosure, Add	2,528.16	
For NEMA 12 Enclosure, Add	1,544.99	
For Level 2 Controller, Add	4,440.92	
For Level 3 Controller, Add	9,168.36	
For Level 4 Controller, Add	13,322.77	
26 36 23 00-0034 EA 1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	85,367.52	4,327.59
For NEMA 3R Enclosure, Add	11,236.23	
For NEMA 4 Enclosure, Add	14,045.28	
For NEMA 12 Enclosure, Add	11,236.23	
For Level 2 Controller, Add	5,945.21	
For Level 3 Controller, Add	12,273.97	
For Level 4 Controller, Add	17,835.62	
26 36 23 00-0035 EA 1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	111,560.02	4,616.10
For NEMA 3R Enclosure, Add	23,876.97	
For NEMA 4 Enclosure, Add	23,876.97	
For NEMA 12 Enclosure, Add	22,247.72	
For Level 2 Controller, Add	7,930.41	
For Level 3 Controller, Add	16,372.45	
For Level 4 Controller, Add	23,791.22	
26 36 23 00-0036 EA 2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	126,707.04	5,048.86
For NEMA 3R Enclosure, Add	23,876.97	
For NEMA 4 Enclosure, Add	23,876.97	
For NEMA 12 Enclosure, Add	22,247.72	
For Level 2 Controller, Add	9,037.22	
For Level 3 Controller, Add	18,657.49	
For Level 4 Controller, Add	27,111.67	
26 36 23 00-0037 EA 3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	203,064.21	5,770.12
For NEMA 3R Enclosure, Add	29,495.07	
For Level 2 Controller, Add	14,843.11	
For Level 3 Controller, Add	30,643.83	
For Level 4 Controller, Add	44,529.32	
26 36 23 00-0038 EA 4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	219,138.64	6,491.39
For NEMA 3R Enclosure, Add	29,495.07	
For Level 2 Controller, Add	15,977.08	
For Level 3 Controller, Add	32,984.94	
For Level 4 Controller, Add	47,931.24	
26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		
26 36 23 00-0040 EA 40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	9,102.62	344.49
For Level 2 Controller, Add	652.06	
For Level 3 Controller, Add	1,346.18	
For Level 4 Controller, Add	1,956.17	
For NEMA 3R Enclosure, Add	702.27	
For NEMA 12 Enclosure, Add	1,264.08	



		Electrical	26
		Facility Electrical Power Generating and Storing Equipment	26 30
		Transfer Switches	26 36

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0041	EA		70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	9,837.90	413.39
			For Level 2 Controller, Add	698.36	
			For Level 3 Controller, Add	1,441.78	
			For Level 4 Controller, Add	2,095.09	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0042	EA		100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100).....	10,204.90	447.84
			For Level 2 Controller, Add	721.46	
			For Level 3 Controller, Add	1,489.48	
			For Level 4 Controller, Add	2,164.39	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0043	EA		125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	10,571.89	482.29
			For Level 2 Controller, Add	744.57	
			For Level 3 Controller, Add	1,537.17	
			For Level 4 Controller, Add	2,233.70	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0044	EA		150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	12,700.42	551.18
			For Level 2 Controller, Add	898.85	
			For Level 3 Controller, Add	1,855.69	
			For Level 4 Controller, Add	2,696.54	
			For Four Pole Circuit Breaker, Add	3,511.32	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0045	EA		225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	16,551.85	620.09
			For Level 2 Controller, Add	1,186.66	
			For Level 3 Controller, Add	2,449.87	
			For Level 4 Controller, Add	3,559.97	
			For Four Pole Circuit Breaker, Add	3,511.32	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0046	EA		250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	17,618.06	688.98
			For Level 2 Controller, Add	1,258.61	
			For Level 3 Controller, Add	2,598.41	
			For Level 4 Controller, Add	3,775.82	
			For Four Pole Circuit Breaker, Add	3,511.32	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0047	EA		300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	18,316.00	757.88
			For Level 2 Controller, Add	1,302.02	
			For Level 3 Controller, Add	2,688.04	
			For Level 4 Controller, Add	3,906.06	
			For Four Pole Circuit Breaker, Add	4,775.40	
			For NEMA 3R Enclosure, Add	1,825.89	
			For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0048	EA		400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	20,731.68	826.78
			For Level 2 Controller, Add	1,478.55	
			For Level 3 Controller, Add	3,052.50	
			For Level 4 Controller, Add	4,435.66	
			For Four Pole Circuit Breaker, Add	4,775.40	
			For NEMA 3R Enclosure, Add	1,825.89	
			For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0049	EA		600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	25,151.02	1,033.47
			For Level 2 Controller, Add	1,789.02	
			For Level 3 Controller, Add	3,693.45	
			For Level 4 Controller, Add	5,367.05	
			For Four Pole Circuit Breaker, Add	4,775.40	
			For NEMA 3R Enclosure, Add	1,825.89	
			For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0050	EA		800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	26,177.33	1,240.17
			For Level 2 Controller, Add	1,836.52	
			For Level 3 Controller, Add	3,791.52	
			For Level 4 Controller, Add	5,509.55	
			For Four Pole Circuit Breaker, Add	6,811.96	
			For NEMA 3R Enclosure, Add	3,146.15	
			For NEMA 12 Enclosure, Add	1,966.35	
26 36 23 00-0051	EA		1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	31,020.79	1,731.04
			For Level 2 Controller, Add	2,135.80	
			For Level 3 Controller, Add	4,409.40	
			For Level 4 Controller, Add	6,407.40	
			For Four Pole Circuit Breaker, Add	6,811.96	
			For NEMA 3R Enclosure, Add	3,146.15	
			For NEMA 12 Enclosure, Add	1,966.35	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 36 23 00-0052	Accessories ^(26 36 23)	
26 36 23 00-0053	EA Auxiliary Contacts For Automatic Transfer Switch.....	325.86
26 36 23 00-0054	EA Battery Charger For Automatic Transfer Switch.....	2,668.61
26 36 23 00-0055	EA Elevator Relay Signal For Automatic Transfer Switch.....	969.13

26 40 Electrical And Cathodic Protection ⁽²⁶⁾**26 43 Surge Protective Devices ^(26 40)****26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits ^(26 43)**

26 43 13 00-0001	25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)	
	Note: Liebert LPL	
26 43 13 00-0002	EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	33.58
26 43 13 00-0003	EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	33.58
26 43 13 00-0004	EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	40.29
26 43 13 00-0005	EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	26.86
26 43 13 00-0006	EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	40.29

26 43 13 00-0007	50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)	
	Note: Liebert LPL	
26 43 13 00-0008	EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	33.58
26 43 13 00-0009	EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	40.29
26 43 13 00-0010	EA 277 Volt AC Single Phase, 2 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	33.58
26 43 13 00-0011	EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	40.29

26 43 13 00-0012	100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)	
	Note: Liebert LPL	
26 43 13 00-0013	EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	33.58
26 43 13 00-0014	EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	40.29
26 43 13 00-0015	EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	26.86
26 43 13 00-0016	EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	40.29

26 43 13 00-0017	100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression ^(26 43 13)	
	Note: Liebert LPM	
26 43 13 00-0018	EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	33.58
26 43 13 00-0019	EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	40.29
26 43 13 00-0020	EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	26.86

26 43 13 00-0021	160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression ^(26 43 13)	
	Note: Liebert LPM	
26 43 13 00-0022	EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	40.29
26 43 13 00-0023	EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	33.58
26 43 13 00-0024	EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	40.29

26 43 13 00-0025	250 kA, 500 Joule Transient Voltage Surge Suppression ^(26 43 13)	
	Note: Liebert Interceptor Hybrid.	
26 43 13 00-0026	EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	67.15
26 43 13 00-0027	EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	67.15

26 43 13 00-0028	Class 1310 Transient Voltage Surge Suppression ^(26 43 13)	
	Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.	

26 43 13 00-0029	NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor ^(26 43 13 00-0028)	
	Note: Square D. EMA series.	
26 43 13 00-0030	EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	174.60
	For Integral Disconnect, Add 265.68	
	For Surge Counter, Add 203.04	
26 43 13 00-0031	EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	201.46
	For Integral Disconnect, Add 265.68	
	For Surge Counter, Add 203.04	
26 43 13 00-0032	EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	235.04
	For Integral Disconnect, Add 265.68	
	For Surge Counter, Add 203.04	
26 43 13 00-0033	EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	268.62
	For Integral Disconnect, Add 265.68	
	For Surge Counter, Add 203.04	
26 43 13 00-0034	EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	369.35
	For Integral Disconnect, Add 265.68	
	For Surge Counter, Add 203.04	
26 43 13 00-0035	EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	174.60
	For Integral Disconnect, Add 265.68	
	For Surge Counter, Add 203.04	



		Electrical	26	26
		Electrical And Cathodic Protection	26 40	
		Surge Protective Devices	26 43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,033.07	201.46	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,358.92	235.04	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,770.96	268.62	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	14,479.17	369.35	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,562.42	174.60	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,033.07	201.46	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,358.86	235.04	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,770.96	268.62	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	14,479.17	369.35	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,751.01	174.60	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,242.87	201.46	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,681.58	235.04	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,189.32	268.62	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	15,123.13	369.35	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,970.10	174.60	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,460.70	201.46	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,018.85	235.04	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,627.50	268.62	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	14,886.07	369.35	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0055		NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ⁽²⁶			
		^{43 13 00-0028)}			
		Note: Square D EBA series.			
26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,417.86	174.60	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,127.56	201.46	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	6,037.73	235.04	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,525.42	174.60	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,286.90	201.46	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	6,246.20	235.04	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,525.42	174.60	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,286.90	201.46	
		For Integral Disconnect, Add	265.68		
		For Surge Counter, Add	203.04		

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,246.20 265.68 203.04	235.04
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,662.19 265.68 203.04	174.60
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,458.19 265.68 203.04	201.46
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,513.09 265.68 203.04	235.04
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,805.60 265.68 203.04	174.60
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,640.10 265.68 203.04	201.46
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,793.26 265.68 203.04	235.04
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)				
Note: Square D EMA series. Stainless steel.				
26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,628.66 265.68 203.04	174.60
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,080.73 265.68 203.04	201.46
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,293.71 265.68 203.04	235.04
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,817.22 265.68 203.04	174.60
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,287.87 265.68 203.04	201.46
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,613.72 265.68 203.04	235.04
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,817.22 265.68 203.04	174.60
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,287.87 265.68 203.04	201.46
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,613.66 265.68 203.04	235.04
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,005.81 265.68 203.04	174.60
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,497.68 265.68 203.04	201.46
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,936.38 265.68 203.04	235.04
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,224.90 265.68 203.04	174.60
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,715.50 265.68 203.04	201.46
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,273.65 265.68 203.04	235.04
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)				
Note: Square D EBA series. Stainless steel.				
26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,672.67 265.68 203.04	174.60
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,382.36 265.68 203.04	201.46
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,292.53 265.68 203.04	235.04



Electrical			26
Electrical And Cathodic Protection			26 40
Surge Protective Devices			26 43

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,780.22 265.68 203.04	174.60
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,541.70 265.68 203.04	201.46
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	7,501.00 265.68 203.04	235.04
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,780.22 265.68 203.04	174.60
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,541.70 265.68 203.04	201.46
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	7,501.00 265.68 203.04	235.04
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,916.99 265.68 203.04	174.60
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,712.99 265.68 203.04	201.46
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	7,767.89 265.68 203.04	235.04
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,060.40 265.68 203.04	174.60
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,894.90 265.68 203.04	201.46
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	8,048.06 265.68 203.04	235.04

26 50 Lighting⁽²⁶⁾

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 52 Safety Lighting^(26 50)

26 52 13 Emergency and Exit Lighting^(26 52)

26 52 13 13 Emergency Lighting^(26 52 13)

26 52 13 13-0001 Commercial Emergency Lights^(26 52 13 13)

26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights^(26 52 13 13-0001)

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0003 EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	258.68	33.58
26 52 13 13-0004 EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	178.18	33.58
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0005 EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	283.53	33.58
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0006 EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	331.22	33.58
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0007 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	495.11	33.58
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	561.64	33.58
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	820.84	33.58
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	

26 52 13 13-0010 Remote Heads For Commercial Emergency Lights^(26 52 13 13-0001)

Note: For use with fixtures that have remote capability.

26 52 13 13-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	175.23	20.15
26 52 13 13-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	176.43	20.15



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	180.45	20.15
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	179.80	20.15
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	155.10	20.15
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	106.04	20.15
26 52 13 13-0017		Industrial Emergency Lights (26 52 13 13)		
26 52 13 13-0018		Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0019		Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	458.91	33.58
		<i>For Wireguard, Add</i>	235.71	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	384.48	33.58
		<i>For Wireguard, Add</i>	235.71	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	602.02	33.58
		<i>For Wireguard, Add</i>	235.71	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	639.56	33.58
		<i>For Wireguard, Add</i>	235.71	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	914.89	33.58
		<i>For Wireguard, Add</i>	251.06	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,441.59	33.58
		<i>For Wireguard, Add</i>	251.06	
26 52 13 13-0026		Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018) Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	134.31	20.15
		<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	138.99	20.15
		<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	134.97	20.15
		<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	135.73	20.15
		<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	138.99	20.15
		<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	162.72	20.15
		<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0033		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0034		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	452.93	33.58
		<i>For Wireguard, Add</i>	229.18	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	492.65	33.58
		<i>For Wireguard, Add</i>	229.18	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	481.77	33.58
		<i>For Wireguard, Add</i>	229.18	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	509.52	33.58
		<i>For Wireguard, Add</i>	229.18	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	861.02	33.58
		<i>For Wireguard, Add</i>	229.18	
		<i>For Self-Diagnostics, Add</i>	105.50	



Electrical		26
Lighting		26 50
Safety Lighting		26 52

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	675.47	33.58
For Wireguard, Add	229.18	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	757.09	33.58
For Wireguard, Add	229.18	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	798.44	33.58
For Wireguard, Add	229.18	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033)		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	116.36	20.15
26 52 13 13-0045 EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	125.83	20.15
26 52 13 13-0046 EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	116.47	20.15
26 52 13 13-0047 EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	123.43	20.15
26 52 13 13-0048 EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	105.54	20.15
26 52 13 13-0049 Outdoor Emergency Lights (26 52 13 13)		
26 52 13 13-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights (26 52 13 13-0049)		
Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	715.19	33.58
26 52 13 13-0052 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	853.94	33.58
26 52 13 13-0053 Recessed Emergency Lights (26 52 13 13)		
26 52 13 13-0054 EA 10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	779.67	33.58
For Wire Guard, Add	60.00	
26 52 13 13-0055 EA 16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	613.38	67.15
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	251.06	
26 52 13 13-0056 EA 50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	882.29	67.15
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	251.06	
26 52 13 13-0057 Square Wraparound Emergency Lights (26 52 13 13)		
26 52 13 13-0058 EA 10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	355.54	33.58
26 52 13 16 Exit Signs (26 52 13)		
Note: Excludes pendants.		
26 52 13 16-0001 LED Exit Signs (26 52 13 16)		
Note: Includes red LED lamps.		
26 52 13 16-0002 EA Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	208.23	49.09
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-7.66	
For >100 To 250, Deduct	-12.87	
For >250 To 500, Deduct	-20.82	
For >500, Deduct	-28.78	
26 52 13 16-0003 EA Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	208.23	49.09
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-7.66	
For >100 To 250, Deduct	-12.87	
For >250 To 500, Deduct	-20.82	
For >500, Deduct	-28.78	
26 52 13 16-0004 EA Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6).....	290.54	49.09
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-9.72	
For >100 To 250, Deduct	-16.98	
For >250 To 500, Deduct	-29.05	
For >500, Deduct	-41.13	

26 Electrical**26 50 Lighting****26 52 Safety Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0005 EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	290.54	49.09
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-9.72	
For >100 To 250, Deduct	-16.98	
For >250 To 500, Deduct	-29.05	
For >500, Deduct	-41.13	
26 52 13 16-0006 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	319.96	49.09
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-10.45	
For >100 To 250, Deduct	-18.45	
For >250 To 500, Deduct	-32.00	
For >500, Deduct	-45.54	
26 52 13 16-0007 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	362.87	49.09
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-11.53	
For >100 To 250, Deduct	-20.60	
For >250 To 500, Deduct	-36.29	
For >500, Deduct	-51.98	
26 52 13 16-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	302.02	49.09
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-10.01	
For >100 To 250, Deduct	-17.56	
For >250 To 500, Deduct	-30.20	
For >500, Deduct	-42.85	
26 52 13 16-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	333.17	49.09
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-10.78	
For >100 To 250, Deduct	-19.11	
For >250 To 500, Deduct	-33.32	
For >500, Deduct	-47.52	
26 52 13 16-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4)	384.56	49.09
Note: Includes two circular side mounted krypton emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-12.97	
For >100 To 250, Deduct	-22.59	
For >250 To 500, Deduct	-38.46	
For >500, Deduct	-54.33	
26 52 13 16-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6)	329.37	49.09
Note: Includes two circular side mounted LED emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-11.59	
For >100 To 250, Deduct	-19.83	
For >250 To 500, Deduct	-32.94	
For >500, Deduct	-46.05	
26 52 13 16-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	481.73	49.09
Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-15.40	
For >100 To 250, Deduct	-27.44	
For >250 To 500, Deduct	-48.17	
For >500, Deduct	-68.90	
26 52 13 16-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	504.34	49.09
Note: Includes two circular side mounted PAR 36 emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-15.97	
For >100 To 250, Deduct	-28.57	
For >250 To 500, Deduct	-50.43	
For >500, Deduct	-72.29	
26 52 13 16-0014 EA Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	138.89	49.09
For >50 To 100, Deduct	-5.93	
For >100 To 250, Deduct	-9.40	
For >250 To 500, Deduct	-13.89	
For >500, Deduct	-18.38	
26 52 13 16-0015 EA 120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	139.42	49.09
For >50 To 100, Deduct	-5.94	
For >100 To 250, Deduct	-9.43	
For >250 To 500, Deduct	-13.94	
For >500, Deduct	-18.46	
26 52 13 16-0016 Edge-Lit LED Exit Signs (26 52 13 16)		
Note: Includes red LED lamps.		
26 52 13 16-0017 EA Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	285.30	49.09
For Green LED Lamps, Add	40.00	
For >50 To 100, Deduct	-9.59	
For >100 To 250, Deduct	-16.72	
For >250 To 500, Deduct	-28.53	
For >500, Deduct	-40.34	



Electrical		26	26
Lighting		26 50	
Safety Lighting		26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0018	EA		Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	288.27	49.09
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.66	
			For >100 To 250, Deduct	-16.87	
			For >250 To 500, Deduct	-28.83	
			For >500, Deduct	-40.79	
26 52 13 16-0019	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	308.37	49.09
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-10.16	
			For >100 To 250, Deduct	-17.87	
			For >250 To 500, Deduct	-30.84	
			For >500, Deduct	-43.80	
26 52 13 16-0020	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	368.45	49.09
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-11.67	
			For >100 To 250, Deduct	-20.88	
			For >250 To 500, Deduct	-36.85	
			For >500, Deduct	-52.81	
26 52 13 16-0021 Self-Luminous Tritium Exit Signs (26 52 13 16)					
Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.					
26 52 13 16-0022	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	607.47	49.09
			For >50 To 100, Deduct	-17.64	
			For >100 To 250, Deduct	-32.83	
			For >250 To 500, Deduct	-60.75	
			For >500, Deduct	-88.67	
26 52 13 16-0023	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,116.22	49.09
			For >50 To 100, Deduct	-30.36	
			For >100 To 250, Deduct	-58.27	
			For >250 To 500, Deduct	-111.62	
			For >500, Deduct	-164.98	
26 52 13 16-0024	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	723.37	49.09
			For >50 To 100, Deduct	-20.54	
			For >100 To 250, Deduct	-38.62	
			For >250 To 500, Deduct	-72.34	
			For >500, Deduct	-106.05	
26 52 13 16-0025	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,209.27	49.09
			For >50 To 100, Deduct	-32.69	
			For >100 To 250, Deduct	-62.92	
			For >250 To 500, Deduct	-120.93	
			For >500, Deduct	-178.94	
26 52 13 16-0026	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	665.15	49.09
			For >50 To 100, Deduct	-19.08	
			For >100 To 250, Deduct	-35.71	
			For >250 To 500, Deduct	-66.52	
			For >500, Deduct	-97.32	
26 52 13 16-0027	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,209.27	49.09
			For >50 To 100, Deduct	-32.69	
			For >100 To 250, Deduct	-62.92	
			For >250 To 500, Deduct	-120.93	
			For >500, Deduct	-178.94	
26 52 13 16-0028	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	815.87	49.09
			For >50 To 100, Deduct	-22.85	
			For >100 To 250, Deduct	-43.25	
			For >250 To 500, Deduct	-81.59	
			For >500, Deduct	-119.93	
26 52 13 16-0029	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,500.91	49.09
			For >50 To 100, Deduct	-39.98	
			For >100 To 250, Deduct	-77.50	
			For >250 To 500, Deduct	-150.09	
			For >500, Deduct	-222.68	
26 52 13 16-0030 Vandal-Resistant LED Exit Signs (26 52 13 16)					
Note: Includes red LED lamps.					
26 52 13 16-0031	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	573.19	49.09
			For >50 To 100, Deduct	-16.78	
			For >100 To 250, Deduct	-31.11	
			For >250 To 500, Deduct	-57.32	
			For >500, Deduct	-83.52	
26 52 13 16-0032	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	888.24	49.09
			For >50 To 100, Deduct	-24.66	
			For >100 To 250, Deduct	-46.87	
			For >250 To 500, Deduct	-88.82	
			For >500, Deduct	-130.78	

26 Electrical
26 50 Lighting
26 52 Safety Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0033 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,081.40	49.09
For >50 To 100, Deduct	-29.49	
For >100 To 250, Deduct	-56.52	
For >250 To 500, Deduct	-108.14	
For >500, Deduct	-159.76	
26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture (26 52 13 16)		
26 52 13 16-0035 EA Removal And Reinstall Of Exit Light Fixtures	100.73	
Note: Includes storage and cleaning.		
For >50 To 100, Deduct	-5.04	
For >100 To 250, Deduct	-7.55	
For >250 To 500, Deduct	-10.07	
For >500, Deduct	-12.59	
26 52 13 16-0036 Exit Sign Accessories (26 52 13 16)		
26 52 13 16-0037 EA Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	135.70	13.45
For >50 To 100, Deduct	-4.07	
For >100 To 250, Deduct	-7.46	
For >250 To 500, Deduct	-13.57	
For >500, Deduct	-19.68	
26 52 13 16-0038 EA Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	79.39	13.45
For >50 To 100, Deduct	-2.66	
For >100 To 250, Deduct	-4.64	
For >250 To 500, Deduct	-7.94	
For >500, Deduct	-11.24	
26 52 13 16-0039 EA Removal And Replacement Of Battery For Exit Signs	135.80	
Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity		
For >50 To 100, Deduct	-4.24	
For >100 To 250, Deduct	-7.63	
For >250 To 500, Deduct	-13.58	
For >500, Deduct	-19.53	
26 55 Special Purpose Lighting (26 50)		
26 55 13 Landscape Lighting (26 55)		
26 55 13 00-0001 Bollards (26 55 13) Note: Excludes concrete base.		
26 55 13 00-0002 Aluminum Architectural Bollards (26 55 13 00-0001)		
26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0005 EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.08	114.16
26 55 13 00-0006 EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,662.50	120.87
26 55 13 00-0007 EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,675.93	127.59
26 55 13 00-0008 EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,552.18	134.31
26 55 13 00-0009 EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.08	114.16
26 55 13 00-0010 EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,662.50	120.87
26 55 13 00-0011 EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,675.93	127.59
26 55 13 00-0012 EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,552.18	134.31
26 55 13 00-0013 EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.08	114.16
26 55 13 00-0014 EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,662.50	120.87
26 55 13 00-0015 EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,675.93	127.59
26 55 13 00-0016 EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,552.18	134.31
26 55 13 00-0017 EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.08	114.16
26 55 13 00-0018 EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,662.50	120.87
26 55 13 00-0019 EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,675.93	127.59
26 55 13 00-0020 EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,552.18	134.31
26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0022 EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,586.08	114.16
26 55 13 00-0023 EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.50	120.87
26 55 13 00-0024 EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,612.93	127.59
26 55 13 00-0025 EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,488.60	134.31
26 55 13 00-0026 EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,586.08	114.16
26 55 13 00-0027 EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.50	120.87
26 55 13 00-0028 EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,612.93	127.59
26 55 13 00-0029 EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,488.60	134.31
26 55 13 00-0030 EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,586.08	114.16
26 55 13 00-0031 EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.50	120.87
26 55 13 00-0032 EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,612.93	127.59
26 55 13 00-0033 EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,488.60	134.31
26 55 13 00-0034 EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,586.08	114.16
26 55 13 00-0035 EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.50	120.87
26 55 13 00-0036 EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,612.93	127.59
26 55 13 00-0037 EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,488.60	134.31



Electrical		26
Lighting		26 50
Special Purpose Lighting		26 55

26

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0038	Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0039	Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)		
26 55 13 00-0040	EA 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,730.88	114.16
26 55 13 00-0041	EA 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,744.30	120.87
26 55 13 00-0042	EA 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,757.73	127.59
26 55 13 00-0043	EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,633.40	134.31
26 55 13 00-0044	EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,730.88	114.16
26 55 13 00-0045	EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,744.30	120.87
26 55 13 00-0046	EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,757.73	127.59
26 55 13 00-0047	EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,633.40	134.31
26 55 13 00-0048	EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,730.88	114.16
26 55 13 00-0049	EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,744.30	120.87
26 55 13 00-0050	EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,757.73	127.59
26 55 13 00-0051	EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,701.86	134.31
26 55 13 00-0052	Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)		
26 55 13 00-0053	EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,667.31	114.16
26 55 13 00-0054	EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,680.73	120.87
26 55 13 00-0055	EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,694.16	127.59
26 55 13 00-0056	EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,569.83	134.31
26 55 13 00-0057	EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,667.31	114.16
26 55 13 00-0058	EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,680.73	120.87
26 55 13 00-0059	EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,694.16	127.59
26 55 13 00-0060	EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,569.83	134.31
26 55 13 00-0061	EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,667.31	114.16
26 55 13 00-0062	EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,680.73	120.87
26 55 13 00-0063	EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,694.16	127.59
26 55 13 00-0064	EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,569.83	134.31
26 55 13 00-0065	Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0066	Square, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0067	EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,641.91	114.16
26 55 13 00-0068	EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.33	120.87
26 55 13 00-0069	EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,668.76	127.59
26 55 13 00-0070	EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,546.29	134.31
26 55 13 00-0071	EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,641.91	114.16
26 55 13 00-0072	EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.33	120.87
26 55 13 00-0073	EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,668.76	127.59
26 55 13 00-0074	EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,546.29	134.31
26 55 13 00-0075	EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,641.91	114.16
26 55 13 00-0076	EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.33	120.87
26 55 13 00-0077	EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,668.76	127.59
26 55 13 00-0078	EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,546.29	134.31
26 55 13 00-0079	Round, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0080	EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,579.72	114.16
26 55 13 00-0081	EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,593.14	120.87
26 55 13 00-0082	EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,606.57	127.59
26 55 13 00-0083	EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,485.30	134.31
26 55 13 00-0084	EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,579.72	114.16
26 55 13 00-0085	EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,593.14	120.87
26 55 13 00-0086	EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,606.57	127.59
26 55 13 00-0087	EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,485.30	134.31
26 55 13 00-0088	EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,579.72	114.16
26 55 13 00-0089	EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,593.14	120.87
26 55 13 00-0090	EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,606.57	127.59
26 55 13 00-0091	EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,485.30	134.31
26 55 13 00-0092	LED, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0093	Square, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0094	EA 24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,964.81	114.16
26 55 13 00-0095	EA 30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,978.23	120.87
26 55 13 00-0096	EA 36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,991.66	127.59
26 55 13 00-0097	EA 42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,870.91	134.31
26 55 13 00-0098	EA 24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,397.73	114.16
26 55 13 00-0099	EA 30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,411.15	120.87
26 55 13 00-0100	EA 36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,424.58	127.59
26 55 13 00-0101	EA 42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,301.68	134.31
26 55 13 00-0102	Round, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0103	EA 24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,900.23	114.16

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,913.65	120.87
26 55 13 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,927.08	127.59
26 55 13 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,804.18	134.31
26 55 13 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,333.15	114.16
26 55 13 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,346.57	120.87
26 55 13 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,360.00	127.59
26 55 13 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,237.87	134.31
26 55 13 00-0111 Reinforced Concrete Bollards (26 55 13 00-0001)		
26 55 13 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,646.25	335.77
26 55 13 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,883.92	447.64
26 55 13 00-0114 Low Voltage (26 55 13)		
26 55 13 00-0115 EA Low Voltage Recessed Uplight	857.88	244.44
26 55 13 00-0116 EA Low Voltage Walkway.....	601.31	134.31
26 55 13 00-0117 EA Low Voltage Malibu - 5 Light Set	600.57	179.30
26 55 13 00-0118 EA Low Voltage Mushroom 24" Pier.....	516.63	134.31
26 55 13 00-0119 Recessed, Adjustable (26 55 13)		
26 55 13 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	992.32	214.89
26 55 13 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	1,083.05	214.89
26 55 13 00-0122 Recessed, Uplight (26 55 13)		
26 55 13 00-0123 EA 50 Watt Incandescent Recessed Uplight	889.48	214.89
26 55 13 00-0124 EA 150 Watt Incandescent Recessed Uplight	907.63	214.89
26 55 13 00-0125 EA 300 Watt Incandescent Recessed Uplight	962.07	214.89
26 55 13 00-0126 EA 500 Watt Quartz Recessed Uplight.....	956.02	214.89
26 55 13 00-0127 EA 5 Watt, LED Recessed Uplight	1,220.06	214.89
26 55 13 00-0128 EA 15 Watt, LED Recessed Uplight	1,340.67	214.89
26 55 13 00-0129 Recessed Wall Light (26 55 13)		
26 55 13 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	462.19	134.31
26 55 13 00-0131 EA 100 Watt Fluorescent Recessed Wall Light	444.04	134.31
26 55 13 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	715.50	179.30
26 55 13 00-0133 Step Lights (26 55 13)		
26 55 13 00-0134 EA Incandescent Step Light	378.14	107.44
26 55 13 00-0135 EA Fluorescent Step Light	438.70	107.44
26 55 13 00-0136 EA 5 Watt, LED Step Light	669.20	107.44
26 55 13 00-0137 EA 15 Watt, LED Step Light	797.85	107.44
26 55 13 00-0138 Tree Lights, Surface Adjustable (26 55 13)		
26 55 13 00-0139 EA 50 Watt Incandescent Tree Lights	794.14	179.30
26 55 13 00-0140 EA 100 Watt Incandescent Tree Lights	812.28	179.30
26 55 13 00-0141 EA 150 Watt Incandescent Tree Lights	1,021.14	268.62
26 55 16 Walkway Lighting (26 55)		
26 55 16 00-0001 Incandescent Walkway (26 55 16)		
26 55 16 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture.....	430.54	124.91
26 55 16 00-0003 Metal Halide Walkway (26 55 16)		
26 55 16 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture	663.05	196.35
26 55 16 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture	700.85	203.48
26 55 16 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture	753.32	211.26
26 55 16 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture	807.40	228.33
26 55 16 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	721.80	211.26
26 55 16 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	723.69	196.35
26 55 16 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	738.70	203.48
26 55 16 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture	579.27	139.95
26 55 16 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture	610.80	139.95
26 55 16 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture	642.32	139.95
26 55 16 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture	725.06	157.54
26 55 16 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture.....	550.97	125.71
26 55 16 00-0016 High Pressure Sodium Walkway (26 55 16)		
26 55 16 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture	603.91	196.35
26 55 16 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	636.57	203.48
26 55 16 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture	680.92	211.26



Electrical		26	26
Lighting		26 50	
Special Purpose Lighting		26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture	730.71	228.33
26 55 16 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	656.30	211.26
26 55 16 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	651.29	196.35
26 55 16 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	666.14	203.48
26 55 16 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture	513.77	139.95
26 55 16 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	538.39	139.95
26 55 16 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture	563.02	139.95
26 55 16 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture	635.42	157.54
26 55 16 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	535.00	125.71
26 55 16 00-0029 Walkway, Adjustable (26 55 16)		
26 55 16 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture	623.00	179.30
26 55 16 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture	638.55	179.30
26 55 16 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture	1,086.74	268.62
26 55 16 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	517.46	134.31
26 55 16 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	538.20	134.31
26 55 16 00-0035 LED Walkway (26 55 16)		
26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 55 16 00-0035)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037 EA 13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	991.90	103.08
For Multi-Level Drive Currents, Add	259.76	
26 55 16 00-0038 EA 18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,023.44	103.08
For Multi-Level Drive Currents, Add	259.76	
26 55 16 00-0039 EA 36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,079.11	103.08
For Multi-Level Drive Currents, Add	259.76	
26 55 16 00-0040 EA 42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,121.78	103.08
For Multi-Level Drive Currents, Add	259.76	
26 55 16 00-0041 EA 96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,291.48	132.52
For Multi-Level Drive Currents, Add	259.76	
26 55 16 00-0042 Wall Mounted Walkway Lighting (26 55 16 00-0035)		
26 55 16 00-0043 EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	4,629.65	
Note: Type Fixture 17 as Post		
26 55 16 00-0044 Pole Mounted Walkway Lighting (26 55 16 00-0035)		
26 55 16 00-0045 EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	4,267.65	
26 55 16 00-0046 EA 12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)	4,190.19	
Note: Washers and nuts included		
26 55 29 Underwater Lighting (26 55)		
26 55 29 00-0001 Underwater Lights (26 55 29)		
26 55 29 00-0002 EA 150 Watt, 120 Volt Underwater Lights	644.41	89.32
26 55 29 00-0003 EA 300 Watt, 120 Volt Underwater Lights	717.00	89.32
26 55 29 00-0004 EA 1,000 Watt, 120 Volt Underwater Lights	1,750.62	134.31
26 55 29 00-0005 EA 50 Watt, 12 Volt Underwater Lights	674.66	89.32
26 55 29 00-0006 EA 300 Watt, 12 Volt Underwater Lights	759.34	89.32
26 55 29 00-0007 SET Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,945.02	201.46
26 55 53 Security Lighting (26 55)		
26 55 53 11 Security Flood Lighting (26 55 53)		
26 55 53 11-0001 Flood Lights (General Electric Powerflood®) (26 55 53 11)		
26 55 53 11-0002 MPF (Small Size) Series GE Flood Lights (26 55 53 11-0001)		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights (26 55 53 11-0002)		
26 55 53 11-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	399.20	110.34
26 55 53 11-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	402.77	110.34
26 55 53 11-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	408.72	110.34
26 55 53 11-0007 Metal Halide MPF Series GE Flood Lights (26 55 53 11-0002)		
26 55 53 11-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light	540.82	110.34
26 55 53 11-0009 P-154 (Small Size) Series GE Flood Lights (26 55 53 11-0001)		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0010	High Pressure Sodium P-154 Series GE Flood Lights (26 55 53 11-0009)			
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	807.17	147.12
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	811.93	147.12
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	820.26	147.12
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	914.28	147.12
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	941.65	147.12
26 55 53 11-0016	Metal Halide P-154 Series GE Flood Lights (26 55 53 11-0009)			
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	798.84	147.12
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	840.50	147.12
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	861.92	147.12
26 55 53 11-0020	PF-154 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0021	High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0020)			
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	823.72	165.52
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	829.67	165.52
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	839.19	165.52
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	932.02	165.52
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	958.20	165.52
26 55 53 11-0027	Metal Halide PF-154 GE Flood Lights (26 55 53 11-0020)			
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	816.58	165.52
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	857.04	165.52
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	878.47	165.52
26 55 53 11-0031	PF-400 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0032	High Pressure Sodium PF-400 Series GE Flood Lights (26 55 53 11-0031)			
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,104.58	165.52
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,187.89	165.52
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,181.94	165.52
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,211.69	165.52
26 55 53 11-0037	Metal Halide PF-400 GE Flood Lights (26 55 53 11-0031)			
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	1,135.53	165.52
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	1,160.52	165.52
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,186.70	165.52
26 55 53 11-0041	PF-1000 (Large Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0042	High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0041)			
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,497.20	183.90
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,497.20	183.90
26 55 53 11-0045	Metal Halide PF-1000 Series GE Flood Lights (26 55 53 11-0041)			
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,428.18	183.90
26 55 53 11-0047	HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0048	High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 55 53 11-0047)			
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,218.83	165.52
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,241.45	165.52
26 55 53 11-0051	Metal Halide HLU/VLU Series GE Flood Lights (26 55 53 11-0047)			
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,231.93	165.52
26 55 53 11-0053	Accessories For Powerflood GE Flood Lights (26 55 53 11-0001)			
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	210.42	36.78



Electrical		26	26
Lighting		26 50	
Special Purpose Lighting		26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	122.35	36.78
26 55 53 11-0056 EA Top Visor For Powerflood Flood Light	177.10	36.78
26 55 53 11-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	135.45	36.78
26 55 53 11-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	342.07	110.34
26 55 53 11-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	148.54	36.78
26 55 53 11-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	252.81	110.34
26 55 53 11-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	263.52	110.34
26 55 53 11-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	111.64	36.78
26 55 53 11-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	108.07	36.78
26 55 53 11-0064 Flood Lights (Lithonia Contour Series) (26 55 53 11)		
26 55 53 11-0065 TFM (Small Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066 High Pressure Sodium TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	743.81	147.12
26 55 53 11-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	812.53	147.12
26 55 53 11-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	879.82	147.12
26 55 53 11-0070 Metal Halide TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	963.79	147.12
26 55 53 11-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	947.25	147.12
26 55 53 11-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	920.59	147.12
26 55 53 11-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	918.61	147.12
26 55 53 11-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	956.94	147.12
26 55 53 11-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,138.67	165.52
26 55 53 11-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,161.59	165.52
26 55 53 11-0081 Metal Halide TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,087.16	165.52
26 55 53 11-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,087.16	165.52
26 55 53 11-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,123.10	165.52
26 55 53 11-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,090.46	147.12
26 55 53 11-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,124.76	147.12
26 55 53 11-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,153.42	147.12
26 55 53 11-0090 Metal Halide TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light	1,078.99	147.12
26 55 53 11-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light	1,113.34	147.12
26 55 53 11-0093 TFA (Large Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	2,114.58	183.90
26 55 53 11-0096 Metal Halide TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light	1,627.76	183.90
26 55 53 11-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,799.56	183.90
26 55 53 11-0099 Accessories For Contour Series Lithonia Flood Lights (26 55 53 11-0064)		

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	181.55	36.78
26 55 53 11-0101 EA Vandal Guard For Contour Series Lithonia Flood Light	350.19	36.78
26 55 53 11-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	149.73	36.78
26 55 53 11-0103 EA Full Visor For Contour Series Lithonia Flood Light	201.26	36.78
26 55 53 11-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	449.73	110.34
26 55 53 11-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light	358.54	110.34
26 55 53 11-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light	358.54	110.34
26 55 53 11-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	394.91	110.34
26 55 53 11-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	173.72	36.78
26 55 53 11-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	138.78	36.78
26 55 53 11-0110 Flood Lights (Eaton) (26 55 53 11)		
26 55 53 11-0111 EA 6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB).....	1,167.34	147.12
For NEMA Photocontrol Option (Eaton OA/RA1016), Add	61.61	
For >50 To 100, Deduct	-36.54	
For >100 To 250, Deduct	-65.72	
For >250 To 500, Deduct	-116.73	
For >500, Deduct	-167.75	
26 55 53 11-0112 EA 16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016).....	1,452.45	162.84
For >50 To 100, Deduct	-44.45	
For >100 To 250, Deduct	-80.76	
For >250 To 500, Deduct	-145.25	
For >500, Deduct	-209.73	
26 55 53 11-0113 Flood Lights (Ruud) (26 55 53 11)		
26 55 53 11-0114 NS (Micro) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115 High Pressure Sodium NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0116 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34
26 55 53 11-0117 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34
26 55 53 11-0118 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34
26 55 53 11-0119 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34
26 55 53 11-0120 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34
26 55 53 11-0121 Metal Halide NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0122 EA 50 Watt Metal Halide NS Series Ruud Flood Light	556.29	110.34
26 55 53 11-0123 EA 70 Watt Metal Halide NS Series Ruud Flood Light	556.29	110.34
26 55 53 11-0124 EA 100 Watt Metal Halide NS Series Ruud Flood Light	556.29	110.34
26 55 53 11-0125 Compact Fluorescent NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0126 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light	420.62	110.34
26 55 53 11-0127 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light	437.28	110.34
26 55 53 11-0128 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light	442.04	110.34
26 55 53 11-0129 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light	446.80	110.34
26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0132 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	754.70	165.52
26 55 53 11-0133 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	797.54	165.52
26 55 53 11-0134 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	821.34	165.52
26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0136 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	745.17	165.52
26 55 53 11-0137 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	749.94	165.52
26 55 53 11-0138 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	764.22	165.52
26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0140 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	728.51	165.52
26 55 53 11-0141 FS (Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights (26 55 53 11-0141)		
26 55 53 11-0143 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light	880.85	165.52
26 55 53 11-0144 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light	885.61	165.52
26 55 53 11-0145 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,498.40	183.90



Electrical		26
Lighting		26 50
Special Purpose Lighting		26 55

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0146 Metal Halide FS Series Ruud Flood Lights (26 55 53 11-0141)		
26 55 53 11-0147 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	880.85	165.52
26 55 53 11-0148 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	885.61	165.52
26 55 53 11-0149 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	899.89	165.52
26 55 53 11-0150 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	1,341.30	183.90
26 55 53 11-0151 MFS (Mini Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152 High Pressure Sodium MFS Series Ruud Flood Lights (26 55 53 11-0151)		
26 55 53 11-0153 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	691.73	147.12
26 55 53 11-0154 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	741.72	147.12
26 55 53 11-0155 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	741.72	147.12
26 55 53 11-0156 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	741.72	147.12
26 55 53 11-0157 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	741.72	147.12
26 55 53 11-0158 Metal Halide MFS Series Ruud Flood Lights (26 55 53 11-0151)		
26 55 53 11-0159 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	758.38	147.12
26 55 53 11-0160 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	758.38	147.12
26 55 53 11-0161 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	758.38	147.12
26 55 53 11-0162 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	732.20	147.12
26 55 53 11-0163 MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)		
26 55 53 11-0165 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	751.24	147.12
26 55 53 11-0166 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	801.22	147.12
26 55 53 11-0167 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	801.22	147.12
26 55 53 11-0168 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	801.22	147.12
26 55 53 11-0169 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	801.22	147.12
26 55 53 11-0170 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)		
26 55 53 11-0171 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	817.88	147.12
26 55 53 11-0172 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	817.88	147.12
26 55 53 11-0173 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	817.88	147.12
26 55 53 11-0174 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	791.70	147.12
26 55 53 11-0175 CF (Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176 High Pressure Sodium CF Series Ruud Flood Lights (26 55 53 11-0175)		
26 55 53 11-0177 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light	992.72	165.52
26 55 53 11-0178 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light	1,016.52	165.52
26 55 53 11-0179 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,557.90	183.90
26 55 53 11-0180 Metal Halide CF Series Ruud Flood Lights (26 55 53 11-0175)		
26 55 53 11-0181 EA 175 Watt Metal Halide CF Series Ruud Flood Light	940.35	165.52
26 55 53 11-0182 EA 250 Watt Metal Halide CF Series Ruud Flood Light	945.11	165.52
26 55 53 11-0183 EA 400 Watt Metal Halide CF Series Ruud Flood Light	959.39	165.52
26 55 53 11-0184 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light	1,400.81	183.90
26 55 53 11-0185 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186 High Pressure Sodium CN Series Ruud Flood Lights (26 55 53 11-0185)		
26 55 53 11-0187 EA 400 High Pressure Sodium CN Series Ruud Flood Light	1,281.80	183.90
26 55 53 11-0188 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light	1,529.34	183.90
26 55 53 11-0189 Metal Halide CN Series Ruud Flood Lights (26 55 53 11-0185)		
26 55 53 11-0190 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	1,224.67	183.90
26 55 53 11-0191 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	1,372.24	183.90
26 55 53 11-0192 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights (26 55 53 11-0113)		
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193 High Pressure Sodium PM/PN Series Ruud Flood Lights (26 55 53 11-0192)		
26 55 53 11-0194 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,026.04	165.52

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0195 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,049.84	165.52
26 55 53 11-0196 Metal Halide PM/PN Series Ruud Flood Lights (26 55 53 11-0192)		
26 55 53 11-0197 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	973.67	165.52
26 55 53 11-0198 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	978.43	165.52
26 55 53 11-0199 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	992.72	165.52
26 55 53 11-0200 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,434.13	183.90
26 55 53 11-0201 Accessories For Ruud Flood Lighting (26 55 53 11-0113)		
26 55 53 11-0202 EA Wireguard For Rudd Flood Light.....	109.26	36.78
26 55 53 11-0203 EA Deep Baffle (Full Visor) For Rudd Flood Light	173.53	36.78
26 55 53 11-0204 EA Glare Guard (Upper Visor) For Rudd Flood Light	125.92	36.78
26 55 53 11-0205 EA Vandal Shield For Rudd Flood Light	149.73	36.78
26 55 53 11-0206 EA Pipe Mounting Bracket For Ruud Flood Light	301.61	110.34
26 55 53 11-0207 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	94.98	36.78
26 55 53 11-0208 Flood Lights (Lumark) (26 55 53 11)		
26 55 53 11-0209 QZ Wedge Series Quartz Lumark Flood Lights (26 55 53 11-0208)		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	269.36	110.34
26 55 53 11-0211 LQL Series Quartz Lumark Flood Lights (26 55 53 11-0208)		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212 EA 1,500 Watt LQL Series Quartz Lumark Flood Light	339.57	110.34
26 55 53 11-0213 Flood Lights (Kim Lighting) (26 55 53 11)		
26 55 53 11-0214 MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0213)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215 LED MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0214)		
26 55 53 11-0216 EA 5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	562.83	47.07
For >50 To 100, Deduct	-16.42	
For >100 To 250, Deduct	-30.50	
For >250 To 500, Deduct	-56.28	
For >500, Deduct	-82.07	
26 55 53 11-0217 EA 15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	694.93	47.07
For >50 To 100, Deduct	-19.73	
For >100 To 250, Deduct	-37.10	
For >250 To 500, Deduct	-69.49	
For >500, Deduct	-101.89	
26 55 53 11-0218 Scarab® Series Kim Lighting Flood Lights (26 55 53 11-0213)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219 LED Scarab® Series Kim Lighting Accent Flood Lights (26 55 53 11-0218)		
Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220 EA 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	857.23	47.07
For >50 To 100, Deduct	-23.78	
For >100 To 250, Deduct	-45.22	
For >250 To 500, Deduct	-85.72	
For >500, Deduct	-126.23	
26 55 53 11-0221 Flood Lights (CREE® BetaLED®) (26 55 53 11)		
26 55 53 11-0222 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) (26 55 53 11-0221)		
Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223 EA 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,283.27	133.23
For >50 To 100, Deduct	-38.74	
For >100 To 250, Deduct	-70.83	
For >250 To 500, Deduct	-128.33	
For >500, Deduct	-185.83	
26 55 53 11-0224 EA 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,405.69	140.64
For >50 To 100, Deduct	-42.17	
For >100 To 250, Deduct	-77.32	
For >250 To 500, Deduct	-140.57	
For >500, Deduct	-203.82	



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0225			Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) (26 55 53 11-0221) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA		20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,114.46	125.83
			For 347-480 Volt, Add	111.02	
			For >50 To 100, Deduct	-34.15	
			For >100 To 250, Deduct	-62.01	
			For >250 To 500, Deduct	-111.45	
			For >500, Deduct	-160.88	
26 55 53 11-0227	EA		40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,402.02	133.23
			For 347-480 Volt, Add	111.02	
			For >50 To 100, Deduct	-41.71	
			For >100 To 250, Deduct	-76.76	
			For >250 To 500, Deduct	-140.20	
			For >500, Deduct	-203.64	
26 55 53 11-0228	EA		60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,689.57	140.64
			For 347-480 Volt, Add	111.02	
			For >50 To 100, Deduct	-49.27	
			For >100 To 250, Deduct	-91.51	
			For >250 To 500, Deduct	-168.96	
			For >500, Deduct	-246.40	
26 55 53 11-0229	EA		80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,086.60	148.04
			For 347-480 Volt, Add	111.02	
			For >50 To 100, Deduct	-59.57	
			For >100 To 250, Deduct	-111.73	
			For >250 To 500, Deduct	-208.66	
			For >500, Deduct	-305.59	
26 55 53 11-0230	EA		100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,374.16	155.44
			For 347-480 Volt, Add	111.02	
			For >50 To 100, Deduct	-67.13	
			For >100 To 250, Deduct	-126.48	
			For >250 To 500, Deduct	-237.42	
			For >500, Deduct	-348.35	
26 55 53 11-0231	EA		120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,661.71	162.84
			For 347-480 Volt, Add	111.02	
			For >50 To 100, Deduct	-74.69	
			For >100 To 250, Deduct	-141.23	
			For >250 To 500, Deduct	-266.17	
			For >500, Deduct	-391.11	
26 55 53 11-0232	EA		140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,036.48	170.24
			For 347-480 Volt, Add	111.02	
			For >50 To 100, Deduct	-84.42	
			For >100 To 250, Deduct	-160.34	
			For >250 To 500, Deduct	-303.65	
			For >500, Deduct	-446.96	
26 55 53 11-0233	EA		160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,324.03	177.64
			For 347-480 Volt, Add	111.02	
			For >50 To 100, Deduct	-91.98	
			For >100 To 250, Deduct	-175.08	
			For >250 To 500, Deduct	-332.40	
			For >500, Deduct	-489.72	
26 55 53 11-0234			Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) (26 55 53 11-0221) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA		120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,552.24	162.84
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Bird Spikes, Add	50.75	
			For 5,000K Color Temperature, Add	54.71	
			For Fuse, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For 1,000mA Driver, Add	183.82	
			For >50 To 100, Deduct	-71.95	
			For >100 To 250, Deduct	-135.75	
			For >250 To 500, Deduct	-255.22	
			For >500, Deduct	-374.69	

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53	11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	4,326.61	199.86
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For 5,000K Color Temperature, Add	54.71	
			For Fuse, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For Bird Spikes, Add	75.15	
			For Multi-Level, Add	142.23	
			For 1,000mA Driver, Add	183.82	
			For 480 Volt, Add	196.94	
			For >50 To 100, Deduct	-118.16	
			For >100 To 250, Deduct	-226.32	
			For >250 To 500, Deduct	-432.66	
			For >500, Deduct	-639.00	
26 55 53	11-0237		Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 55 53 11-0221)		
			Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53	11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,497.56	162.84
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Front Facing Optics, Back Light Shield, Add	39.25	
			For Rotated Optics, Back Light Shield, Add	39.25	
			For Field Adjustable Output, Add	32.83	
			For Fuse, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-45.58	
			For >100 To 250, Deduct	-83.02	
			For >250 To 500, Deduct	-149.76	
			For >500, Deduct	-216.49	
26 55 53	11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,600.96	162.84
			Note: Type III, IV or V medium optics only.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Front Facing Optics, Back Light Shield, Add	39.25	
			For Rotated Optics, Back Light Shield, Add	39.25	
			For Field Adjustable Output, Add	32.83	
			For Fuse, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For Type II Medium Or Type V Short Optics, Add	364.65	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-48.17	
			For >100 To 250, Deduct	-88.19	
			For >250 To 500, Deduct	-160.10	
			For >500, Deduct	-232.00	
26 55 53	11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	2,054.11	199.86
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Field Adjustable Output, Add	32.83	
			For Front Facing Optics, Back Light Shield, Add	47.56	
			For Rotated Optics, Back Light Shield, Add	47.56	
			For Fuse, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-61.35	
			For >100 To 250, Deduct	-112.70	
			For >250 To 500, Deduct	-205.41	
			For >500, Deduct	-298.12	
26 55 53	11-0241		Flood Lights (PlanLED) (26 55 53 11)		
26 55 53	11-0242		Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)		
26 55 53	11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	692.93	133.23
			For >50 To 100, Deduct	-23.99	
			For >100 To 250, Deduct	-41.31	
			For >250 To 500, Deduct	-69.29	
			For >500, Deduct	-97.28	
26 55 53	11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	828.02	140.64
			For >50 To 100, Deduct	-27.73	
			For >100 To 250, Deduct	-48.43	
			For >250 To 500, Deduct	-82.80	
			For >500, Deduct	-117.17	
26 55 53	11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	955.20	151.74
			For >50 To 100, Deduct	-31.47	
			For >100 To 250, Deduct	-55.35	
			For >250 To 500, Deduct	-95.52	
			For >500, Deduct	-135.69	
26 55 53	11-0246		Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)		



Electrical		26
Lighting		26 50
Special Purpose Lighting		26 55

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0247	EA		21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,937.14	296.09
			For 0 To 10 Volt Dimming, Add	94.53	
			For >50 To 100, Deduct	-63.23	
			For >100 To 250, Deduct	-111.66	
			For >250 To 500, Deduct	-193.71	
			For >500, Deduct	-275.77	
26 55 53 11-0248	EA		42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,997.80	296.09
			For 0 To 10 Volt Dimming, Add	94.53	
			For >50 To 100, Deduct	-89.75	
			For >100 To 250, Deduct	-164.69	
			For >250 To 500, Deduct	-299.78	
			For >500, Deduct	-434.87	
26 55 53 11-0249	EA		84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,280.97	296.09
			For 0 To 10 Volt Dimming, Add	94.53	
			For >50 To 100, Deduct	-146.83	
			For >100 To 250, Deduct	-278.85	
			For >250 To 500, Deduct	-528.10	
			For >500, Deduct	-777.34	
26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) (26 55 53 11-0241)					
26 55 53 11-0251	EA		26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,712.38	192.45
			For 0 To 10 Volt Dimming, Add	94.53	
			For 347-480 Volt, Add	142.15	
			For >50 To 100, Deduct	-52.43	
			For >100 To 250, Deduct	-95.24	
			For >250 To 500, Deduct	-171.24	
			For >500, Deduct	-247.23	
26 55 53 11-0252	EA		39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,190.81	199.86
			For 0 To 10 Volt Dimming, Add	94.53	
			For 347-480 Volt, Add	114.92	
			For >50 To 100, Deduct	-64.76	
			For >100 To 250, Deduct	-119.53	
			For >250 To 500, Deduct	-219.08	
			For >500, Deduct	-318.63	
26 55 53 11-0253	EA		52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,793.90	207.26
			For 0 To 10 Volt Dimming, Add	94.53	
			For 347-480 Volt, Add	93.24	
			For >50 To 100, Deduct	-80.21	
			For >100 To 250, Deduct	-150.06	
			For >250 To 500, Deduct	-279.39	
			For >500, Deduct	-408.72	
26 55 68 Athletic Field Lighting (26 55)					
26 55 68 00-0001 Sports Lighting System (26 55 68)					
Note: Musco.					
26 55 68 00-0002 Round Steel Tapered Poles (26 55 68 00-0001)					
Note: With Internal wiring harness.					
26 55 68 00-0003	EA		20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,268.84	706.18
26 55 68 00-0004	EA		25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,136.60	853.29
26 55 68 00-0005	EA		30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,790.63	926.86
26 55 68 00-0006	EA		35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,334.11	963.64
26 55 68 00-0007	EA		40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,954.32	1,000.42
26 55 68 00-0008	EA		45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,125.92	1,221.10
26 55 68 00-0009	EA		50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,807.75	1,294.66
26 55 68 00-0010	EA		55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	11,141.11	1,471.21
26 55 68 00-0011	EA		60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,649.60	1,655.10
26 55 68 00-0012	EA		65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	14,015.95	1,839.23
26 55 68 00-0013	EA		70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	15,286.40	2,055.61
26 55 68 00-0014	EA		75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	16,664.63	2,308.05
26 55 68 00-0015	EA		80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	18,689.48	2,776.88
26 55 68 00-0016 Steel Pole Brackets (26 55 68 00-0001)					
26 55 68 00-0017	EA		Two Light Bracket	588.42	73.56
26 55 68 00-0018	EA		Three Light Bracket	741.25	102.99
26 55 68 00-0019	EA		Four Light Bracket	1,065.82	125.05
26 55 68 00-0020	EA		Five Light Bracket	1,215.32	147.12
26 55 68 00-0021	EA		Six Light Bracket	1,473.13	169.19
26 55 68 00-0022	EA		Seven Light Bracket	1,686.74	191.25
26 55 68 00-0023	EA		Eight Light Bracket	1,928.07	220.68
26 55 68 00-0024	EA		Nine Light Bracket	2,177.79	242.75
26 55 68 00-0025 Light Fixtures (26 55 68 00-0001)					
26 55 68 00-0026	EA		120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,481.48	
			For 1,500 Watt Metal Halide Lamp, Add	15.61	

26	26	Electrical
	26 50	Lighting
	26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 68 00-0027	Electrical Component Enclosure (26 55 68 00-0001) Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.			
26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	1,057.28	87.30
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	1,586.76	134.31
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	1,820.40	167.89
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	2,353.27	188.03
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	2,645.77	201.46
26 55 68 00-0033	Accessories (26 55 68 00-0001)			
26 55 68 00-0034	EA	Time Delay Kit (Musco®)	1,088.95	269.01
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	2,190.81	269.01
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	2,631.55	269.01
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	12,632.64	807.03
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,370.48	134.31
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,639.08	268.62
26 56 Exterior Lighting (26 50)				
26 56 13 Lighting Poles and Standards (26 56)				
26 56 13 00-0001	Poles And Standards (26 56 13) See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.			
26 56 13 00-0002	Roadway Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.			
26 56 13 00-0003	Steel Roadway Light Poles (26 56 13 00-0002) Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).			
26 56 13 00-0004	Round Tapered, Steel Roadway Light Poles (26 56 13 00-0003)			
26 56 13 00-0005	Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0004)			
26 56 13 00-0006	Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0005)			
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,776.18	441.36
		For Galvanized Finish, Add	56.80	
		For >10 To 20, Deduct	-69.40	
		For >20 To 40, Deduct	-138.81	
		For >40, Deduct	-230.28	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,780.86	441.36
		For Galvanized Finish, Add	56.94	
		For >10 To 20, Deduct	-69.52	
		For >20 To 40, Deduct	-139.04	
		For >40, Deduct	-230.63	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,102.83	588.48
		For Galvanized Finish, Add	57.78	
		For >10 To 20, Deduct	-77.57	
		For >20 To 40, Deduct	-155.14	
		For >40, Deduct	-262.14	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,159.10	588.48
		For Galvanized Finish, Add	59.46	
		For >10 To 20, Deduct	-78.98	
		For >20 To 40, Deduct	-157.96	
		For >40, Deduct	-266.36	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,215.38	588.48
		For Galvanized Finish, Add	61.15	
		For >10 To 20, Deduct	-80.38	
		For >20 To 40, Deduct	-160.77	
		For >40, Deduct	-270.58	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,374.35	662.04
		For Galvanized Finish, Add	61.51	
		For >10 To 20, Deduct	-84.36	
		For >20 To 40, Deduct	-168.72	
		For >40, Deduct	-286.18	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,401.03	662.04
		For Galvanized Finish, Add	62.31	
		For >10 To 20, Deduct	-85.03	
		For >20 To 40, Deduct	-170.05	
		For >40, Deduct	-288.18	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0014	EA	30'	High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,406.11	662.04
			For Galvanized Finish, Add	62.46	
			For >10 To 20, Deduct	-85.15	
			For >20 To 40, Deduct	-170.31	
			For >40, Deduct	-288.56	
26 56 13 00-0015	EA	35'	High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,574.40	698.82
			For Galvanized Finish, Add	65.30	
			For >10 To 20, Deduct	-89.36	
			For >20 To 40, Deduct	-178.72	
			For >40, Deduct	-303.02	
26 56 13 00-0016	EA	35'	High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,594.56	698.82
			For Galvanized Finish, Add	65.91	
			For >10 To 20, Deduct	-89.86	
			For >20 To 40, Deduct	-179.73	
			For >40, Deduct	-304.53	
26 56 13 00-0017	EA	35'	High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,616.57	698.82
			For Galvanized Finish, Add	66.57	
			For >10 To 20, Deduct	-90.41	
			For >20 To 40, Deduct	-180.83	
			For >40, Deduct	-306.18	
26 56 13 00-0018	EA	40'	High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,084.37	735.60
			For Galvanized Finish, Add	78.39	
			For >10 To 20, Deduct	-102.11	
			For >20 To 40, Deduct	-204.22	
			For >40, Deduct	-343.11	
26 56 13 00-0019	EA	40'	High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,091.55	735.60
			For Galvanized Finish, Add	78.61	
			For >10 To 20, Deduct	-102.29	
			For >20 To 40, Deduct	-204.58	
			For >40, Deduct	-343.65	
26 56 13 00-0020	EA	40'	High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,098.64	735.60
			For Galvanized Finish, Add	78.82	
			For >10 To 20, Deduct	-102.47	
			For >20 To 40, Deduct	-204.93	
			For >40, Deduct	-344.18	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms (26 56 13 00-0005)

26 56 13 00-0022	EA	20'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,434.03	514.92
			For Galvanized Finish, Add	72.13	
			For >10 To 20, Deduct	-85.85	
			For >20 To 40, Deduct	-171.70	
			For >40, Deduct	-283.30	
26 56 13 00-0023	EA	20'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,500.88	533.31
			For Galvanized Finish, Add	73.03	
			For >10 To 20, Deduct	-87.52	
			For >20 To 40, Deduct	-175.04	
			For >40, Deduct	-289.23	
26 56 13 00-0024	EA	20'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,560.32	551.70
			For Galvanized Finish, Add	73.71	
			For >10 To 20, Deduct	-89.01	
			For >20 To 40, Deduct	-178.02	
			For >40, Deduct	-294.61	
26 56 13 00-0025	EA	25'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,533.33	662.04
			For Galvanized Finish, Add	66.28	
			For >10 To 20, Deduct	-88.33	
			For >20 To 40, Deduct	-176.67	
			For >40, Deduct	-298.10	
26 56 13 00-0026	EA	25'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,582.04	680.43
			For Galvanized Finish, Add	66.64	
			For >10 To 20, Deduct	-89.55	
			For >20 To 40, Deduct	-179.10	
			For >40, Deduct	-302.67	
26 56 13 00-0027	EA	25'	High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,623.66	698.82
			For Galvanized Finish, Add	66.78	
			For >10 To 20, Deduct	-90.59	
			For >20 To 40, Deduct	-181.18	
			For >40, Deduct	-306.72	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,827.84	735.60
		For Galvanized Finish, Add	70.70	
		For >10 To 20, Deduct	-95.70	
		For >20 To 40, Deduct	-191.39	
		For >40, Deduct	-323.87	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,871.86	753.99
		For Galvanized Finish, Add	70.92	
		For >10 To 20, Deduct	-96.80	
		For >20 To 40, Deduct	-193.59	
		For >40, Deduct	-328.09	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,913.24	772.38
		For Galvanized Finish, Add	71.05	
		For >10 To 20, Deduct	-97.83	
		For >20 To 40, Deduct	-195.66	
		For >40, Deduct	-332.11	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,055.78	772.38
		For Galvanized Finish, Add	75.33	
		For >10 To 20, Deduct	-101.39	
		For >20 To 40, Deduct	-202.79	
		For >40, Deduct	-342.80	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,123.76	790.77
		For Galvanized Finish, Add	76.27	
		For >10 To 20, Deduct	-103.09	
		For >20 To 40, Deduct	-206.19	
		For >40, Deduct	-348.82	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,190.12	809.16
		For Galvanized Finish, Add	77.15	
		For >10 To 20, Deduct	-104.75	
		For >20 To 40, Deduct	-209.51	
		For >40, Deduct	-354.72	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,538.00	809.16
		For Galvanized Finish, Add	87.59	
		For >10 To 20, Deduct	-113.45	
		For >20 To 40, Deduct	-226.90	
		For >40, Deduct	-380.81	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,579.46	827.55
		For Galvanized Finish, Add	87.73	
		For >10 To 20, Deduct	-114.49	
		For >20 To 40, Deduct	-228.97	
		For >40, Deduct	-384.84	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,621.08	845.94
		For Galvanized Finish, Add	87.88	
		For >10 To 20, Deduct	-115.53	
		For >20 To 40, Deduct	-231.05	
		For >40, Deduct	-388.88	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms
(26 56 13 00-0005)

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,122.43	735.60
		For Galvanized Finish, Add	79.54	
		For >10 To 20, Deduct	-103.06	
		For >20 To 40, Deduct	-206.12	
		For >40, Deduct	-345.96	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,200.73	772.38
		For Galvanized Finish, Add	79.68	
		For >10 To 20, Deduct	-105.02	
		For >20 To 40, Deduct	-210.04	
		For >40, Deduct	-353.67	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,286.14	809.16
		For Galvanized Finish, Add	80.03	
		For >10 To 20, Deduct	-107.15	
		For >20 To 40, Deduct	-214.31	
		For >40, Deduct	-361.92	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,388.37	809.16
		For Galvanized Finish, Add	83.10	
		For >10 To 20, Deduct	-109.71	
		For >20 To 40, Deduct	-219.42	
		For >40, Deduct	-369.59	



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,468.94 83.31 -111.72 -223.45 -377.47	845.94
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,547.26 83.45 -113.68 -227.36 -385.18	882.72
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,656.55 88.94 -116.41 -232.83 -391.54	845.94
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,734.87 89.08 -118.37 -236.74 -399.25	882.72
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,813.18 89.23 -120.33 -240.66 -406.96	919.50
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,991.64 96.79 -124.79 -249.58 -418.51	882.72
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,069.72 96.92 -126.74 -253.49 -426.20	919.50
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,152.79 97.21 -128.82 -257.64 -434.27	956.28
26 56 13 00-0050		Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms (26 56 13 00-0005)		
26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,578.39 88.80 -114.46 -228.92 -383.84	809.16
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,695.83 89.02 -117.40 -234.79 -395.40	864.33
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,810.84 89.16 -120.27 -240.54 -406.79	919.50
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,873.45 93.24 -121.84 -243.67 -409.64	882.72
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,988.79 93.39 -124.72 -249.44 -421.05	937.89

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base		5,076.72	993.06
		For Galvanized Finish, Add		92.72	
		For >10 To 20, Deduct		-126.92	
		For >20 To 40, Deduct		-253.84	
		For >40, Deduct		-430.41	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base		5,217.01	919.50
		For Galvanized Finish, Add		101.34	
		For >10 To 20, Deduct		-130.43	
		For >20 To 40, Deduct		-260.85	
		For >40, Deduct		-437.25	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base		5,364.44	974.67
		For Galvanized Finish, Add		102.45	
		For >10 To 20, Deduct		-134.11	
		For >20 To 40, Deduct		-268.22	
		For >40, Deduct		-451.07	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base		5,449.70	1,029.84
		For Galvanized Finish, Add		101.70	
		For >10 To 20, Deduct		-136.24	
		For >20 To 40, Deduct		-272.49	
		For >40, Deduct		-460.22	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base		5,445.04	956.28
		For Galvanized Finish, Add		105.97	
		For >10 To 20, Deduct		-136.13	
		For >20 To 40, Deduct		-272.25	
		For >40, Deduct		-456.19	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base		5,560.06	1,011.45
		For Galvanized Finish, Add		106.11	
		For >10 To 20, Deduct		-139.00	
		For >20 To 40, Deduct		-278.00	
		For >40, Deduct		-467.58	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base		5,677.50	1,066.62
		For Galvanized Finish, Add		106.33	
		For >10 To 20, Deduct		-141.94	
		For >20 To 40, Deduct		-283.88	
		For >40, Deduct		-479.14	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm (26 56 13 00-0004)			
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0063)			
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base		3,276.97	588.48
		For Galvanized Finish, Add		63.00	
		For >10 To 20, Deduct		-81.92	
		For >20 To 40, Deduct		-163.85	
		For >40, Deduct		-275.20	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base		3,705.54	662.04
		For Galvanized Finish, Add		71.44	
		For >10 To 20, Deduct		-92.64	
		For >20 To 40, Deduct		-185.28	
		For >40, Deduct		-311.02	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base		3,818.28	698.82
		For Galvanized Finish, Add		72.62	
		For >10 To 20, Deduct		-95.46	
		For >20 To 40, Deduct		-190.91	
		For >40, Deduct		-321.31	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base		4,492.96	735.60
		For Galvanized Finish, Add		90.65	
		For >10 To 20, Deduct		-112.32	
		For >20 To 40, Deduct		-224.65	
		For >40, Deduct		-373.75	
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms (26 56 13 00-0004)			
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0069)			
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base		4,117.60	588.48
		For Galvanized Finish, Add		88.22	
		For >10 To 20, Deduct		-102.94	
		For >20 To 40, Deduct		-205.88	
		For >40, Deduct		-338.24	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,153.64	588.48
			For Galvanized Finish, Add	89.30	
			For >10 To 20, Deduct	-103.84	
			For >20 To 40, Deduct	-207.68	
			For >40, Deduct	-340.95	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,170.09	588.48
			For Galvanized Finish, Add	89.79	
			For >10 To 20, Deduct	-104.25	
			For >20 To 40, Deduct	-208.50	
			For >40, Deduct	-342.18	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,300.76	662.04
			For Galvanized Finish, Add	89.30	
			For >10 To 20, Deduct	-107.52	
			For >20 To 40, Deduct	-215.04	
			For >40, Deduct	-355.66	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,307.05	662.04
			For Galvanized Finish, Add	89.49	
			For >10 To 20, Deduct	-107.68	
			For >20 To 40, Deduct	-215.35	
			For >40, Deduct	-356.13	
26 56 13 00-0076	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,372.03	662.04
			For Galvanized Finish, Add	91.44	
			For >10 To 20, Deduct	-109.30	
			For >20 To 40, Deduct	-218.60	
			For >40, Deduct	-361.00	
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,395.69	698.82
			For Galvanized Finish, Add	89.94	
			For >10 To 20, Deduct	-109.89	
			For >20 To 40, Deduct	-219.78	
			For >40, Deduct	-364.62	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,433.74	698.82
			For Galvanized Finish, Add	91.08	
			For >10 To 20, Deduct	-110.84	
			For >20 To 40, Deduct	-221.69	
			For >40, Deduct	-367.47	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,633.28	698.82
			For Galvanized Finish, Add	97.07	
			For >10 To 20, Deduct	-115.83	
			For >20 To 40, Deduct	-231.66	
			For >40, Deduct	-382.44	
26 56 13 00-0080			Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0089)		
26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,370.60	735.60
			For Galvanized Finish, Add	116.98	
			For >10 To 20, Deduct	-134.27	
			For >20 To 40, Deduct	-268.53	
			For >40, Deduct	-439.58	
26 56 13 00-0082	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,478.65	772.38
			For Galvanized Finish, Add	118.02	
			For >10 To 20, Deduct	-136.97	
			For >20 To 40, Deduct	-273.93	
			For >40, Deduct	-449.52	
26 56 13 00-0083	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,687.65	809.16
			For Galvanized Finish, Add	122.08	
			For >10 To 20, Deduct	-142.19	
			For >20 To 40, Deduct	-284.38	
			For >40, Deduct	-467.03	
26 56 13 00-0084	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,497.71	809.16
			For Galvanized Finish, Add	116.38	
			For >10 To 20, Deduct	-137.44	
			For >20 To 40, Deduct	-274.89	
			For >40, Deduct	-452.79	
26 56 13 00-0085	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,749.52	845.94
			For Galvanized Finish, Add	121.73	
			For >10 To 20, Deduct	-143.74	
			For >20 To 40, Deduct	-287.48	
			For >40, Deduct	-473.51	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,910.80	882.72
		For Galvanized Finish, Add	124.36	
		For >10 To 20, Deduct	-147.77	
		For >20 To 40, Deduct	-295.54	
		For >40, Deduct	-487.45	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,670.84	845.94
		For Galvanized Finish, Add	119.37	
		For >10 To 20, Deduct	-141.77	
		For >20 To 40, Deduct	-283.54	
		For >40, Deduct	-467.61	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,998.68	882.72
		For Galvanized Finish, Add	127.00	
		For >10 To 20, Deduct	-149.97	
		For >20 To 40, Deduct	-299.93	
		For >40, Deduct	-494.04	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,202.84	919.50
		For Galvanized Finish, Add	130.92	
		For >10 To 20, Deduct	-155.07	
		For >20 To 40, Deduct	-310.14	
		For >40, Deduct	-511.19	
26 56 13 00-0090		Aluminum Roadway Light Poles (26 56 13 00-0092)		
		Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091		Round Tapered, Aluminum Roadway Light Poles (26 56 13 00-0090)		
26 56 13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0091)		
26 56 13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0092)		
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,603.11	441.36
		For >10 To 20, Deduct	-65.08	
		For >20 To 40, Deduct	-130.16	
		For >40, Deduct	-217.30	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,623.93	441.36
		For >10 To 20, Deduct	-65.60	
		For >20 To 40, Deduct	-131.20	
		For >40, Deduct	-218.86	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,211.70	588.48
		For >10 To 20, Deduct	-80.29	
		For >20 To 40, Deduct	-160.59	
		For >40, Deduct	-270.30	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,251.05	588.48
		For >10 To 20, Deduct	-81.28	
		For >20 To 40, Deduct	-162.55	
		For >40, Deduct	-273.25	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,287.24	588.48
		For >10 To 20, Deduct	-82.18	
		For >20 To 40, Deduct	-164.36	
		For >40, Deduct	-275.97	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,680.78	662.04
		For >10 To 20, Deduct	-92.02	
		For >20 To 40, Deduct	-184.04	
		For >40, Deduct	-309.16	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,713.98	662.04
		For >10 To 20, Deduct	-92.85	
		For >20 To 40, Deduct	-185.70	
		For >40, Deduct	-311.65	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,751.11	662.04
		For >10 To 20, Deduct	-93.78	
		For >20 To 40, Deduct	-187.56	
		For >40, Deduct	-314.44	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,279.60	698.82
		For >10 To 20, Deduct	-106.99	
		For >20 To 40, Deduct	-213.98	
		For >40, Deduct	-355.91	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,312.72	698.82
			For >10 To 20, Deduct	-107.82	
			For >20 To 40, Deduct	-215.64	
			For >40, Deduct	-358.40	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,340.46	698.82
			For >10 To 20, Deduct	-108.51	
			For >20 To 40, Deduct	-217.02	
			For >40, Deduct	-360.48	
26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms (26 56 13 00-0092)					
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,986.66	514.92
			For >10 To 20, Deduct	-74.67	
			For >20 To 40, Deduct	-149.33	
			For >40, Deduct	-249.75	
26 56 13 00-0107	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,190.74	514.92
			For >10 To 20, Deduct	-79.77	
			For >20 To 40, Deduct	-159.54	
			For >40, Deduct	-265.05	
26 56 13 00-0108	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,304.07	551.70
			For >10 To 20, Deduct	-82.60	
			For >20 To 40, Deduct	-165.20	
			For >40, Deduct	-275.39	
26 56 13 00-0109	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,584.07	662.04
			For >10 To 20, Deduct	-89.60	
			For >20 To 40, Deduct	-179.20	
			For >40, Deduct	-301.91	
26 56 13 00-0110	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,750.76	680.43
			For >10 To 20, Deduct	-93.77	
			For >20 To 40, Deduct	-187.54	
			For >40, Deduct	-315.33	
26 56 13 00-0111	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,987.70	698.82
			For >10 To 20, Deduct	-99.69	
			For >20 To 40, Deduct	-199.39	
			For >40, Deduct	-334.02	
26 56 13 00-0112	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,124.68	735.60
			For >10 To 20, Deduct	-103.12	
			For >20 To 40, Deduct	-206.23	
			For >40, Deduct	-346.13	
26 56 13 00-0113	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,281.97	753.99
			For >10 To 20, Deduct	-107.05	
			For >20 To 40, Deduct	-214.10	
			For >40, Deduct	-358.85	
26 56 13 00-0114	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,472.22	772.38
			For >10 To 20, Deduct	-111.81	
			For >20 To 40, Deduct	-223.61	
			For >40, Deduct	-374.04	
26 56 13 00-0115	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,652.74	772.38
			For >10 To 20, Deduct	-116.32	
			For >20 To 40, Deduct	-232.64	
			For >40, Deduct	-387.57	
26 56 13 00-0116	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,065.25	790.77
			For >10 To 20, Deduct	-126.63	
			For >20 To 40, Deduct	-253.26	
			For >40, Deduct	-419.43	
26 56 13 00-0117	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,543.73	809.16
			For >10 To 20, Deduct	-138.59	
			For >20 To 40, Deduct	-277.19	
			For >40, Deduct	-456.24	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms (26 56 13 00-0092)					
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,462.30	588.48
			For >10 To 20, Deduct	-86.56	
			For >20 To 40, Deduct	-173.12	
			For >40, Deduct	-289.10	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0120	EA	20'	High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	3,700.94	625.26
			For >10 To 20, Deduct.....	-92.52	
			For >20 To 40, Deduct.....	-185.05	
			For >40, Deduct.....	-308.83	
26 56 13 00-0121	EA	25'	High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,218.66	735.60
			For >10 To 20, Deduct.....	-105.47	
			For >20 To 40, Deduct.....	-210.93	
			For >40, Deduct.....	-353.18	
26 56 13 00-0122	EA	25'	High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,401.37	772.38
			For >10 To 20, Deduct.....	-110.03	
			For >20 To 40, Deduct.....	-220.07	
			For >40, Deduct.....	-368.72	
26 56 13 00-0123	EA	30'	High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,609.54	809.16
			For >10 To 20, Deduct.....	-115.24	
			For >20 To 40, Deduct.....	-230.48	
			For >40, Deduct.....	-386.17	
26 56 13 00-0124	EA	30'	High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,777.07	845.94
			For >10 To 20, Deduct.....	-119.43	
			For >20 To 40, Deduct.....	-238.85	
			For >40, Deduct.....	-400.58	
26 56 13 00-0125	EA	35'	High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,972.53	845.94
			For >10 To 20, Deduct.....	-124.31	
			For >20 To 40, Deduct.....	-248.63	
			For >40, Deduct.....	-415.24	
26 56 13 00-0126	EA	35'	High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,392.97	882.72
			For >10 To 20, Deduct.....	-134.82	
			For >20 To 40, Deduct.....	-269.65	
			For >40, Deduct.....	-448.61	
26 56 13 00-0127	EA	35'	High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	11,833.44	919.50
			For >10 To 20, Deduct.....	-295.84	
			For >20 To 40, Deduct.....	-591.67	
			For >40, Deduct.....	-933.48	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms (26 56 13 00-0092)

26 56 13 00-0129	EA	20'	High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,608.91	662.04
			For >10 To 20, Deduct.....	-90.22	
			For >20 To 40, Deduct.....	-180.45	
			For >40, Deduct.....	-303.77	
26 56 13 00-0130	EA	20'	High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,733.87	662.04
			For >10 To 20, Deduct.....	-93.35	
			For >20 To 40, Deduct.....	-186.69	
			For >40, Deduct.....	-313.14	
26 56 13 00-0131	EA	25'	High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,617.30	809.16
			For >10 To 20, Deduct.....	-115.43	
			For >20 To 40, Deduct.....	-230.87	
			For >40, Deduct.....	-386.76	
26 56 13 00-0132	EA	25'	High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,994.03	864.33
			For >10 To 20, Deduct.....	-124.85	
			For >20 To 40, Deduct.....	-249.70	
			For >40, Deduct.....	-417.77	
26 56 13 00-0133	EA	30'	High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,201.01	882.72
			For >10 To 20, Deduct.....	-130.03	
			For >20 To 40, Deduct.....	-260.05	
			For >40, Deduct.....	-434.21	
26 56 13 00-0134	EA	30'	High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,550.08	937.89
			For >10 To 20, Deduct.....	-138.75	
			For >20 To 40, Deduct.....	-277.50	
			For >40, Deduct.....	-463.15	
26 56 13 00-0135	EA	35'	High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,472.67	919.50
			For >10 To 20, Deduct.....	-136.82	
			For >20 To 40, Deduct.....	-273.63	
			For >40, Deduct.....	-456.43	
26 56 13 00-0136	EA	35'	High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,194.74	974.67
			For >10 To 20, Deduct.....	-154.87	
			For >20 To 40, Deduct.....	-309.74	
			For >40, Deduct.....	-513.34	



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,835.81 -170.90 -341.79 -564.18	1,029.84
26 56 13 00-0138		Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms (26 56 13 00-0091)		
26 56 13 00-0139		Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0138)		
26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,789.89 -94.75 -189.49 -313.67	588.48
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,817.72 -95.44 -190.89 -315.75	588.48
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,888.81 -97.22 -194.44 -321.08	588.48
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,995.51 -99.89 -199.78 -329.09	588.48
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,266.90 -106.67 -213.35 -353.12	662.04
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,329.64 -108.24 -216.48 -357.83	662.04
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,396.55 -109.91 -219.83 -362.84	662.04
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,800.19 -120.00 -240.01 -393.12	662.04
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,627.51 -115.69 -231.38 -382.00	698.82
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,145.43 -128.64 -257.27 -420.85	698.82
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,195.88 -129.90 -259.79 -424.63	698.82
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,516.12 -137.90 -275.81 -448.65	698.82
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,808.20 -145.21 -290.41 -470.56	698.82
26 56 13 00-0153		Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0138)		
26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,906.78 -122.67 -245.34 -404.79	735.60

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,051.43	772.38
			For >10 To 20, Deduct	-126.29	
			For >20 To 40, Deduct	-252.57	
			For >40, Deduct	-417.48	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,170.74	809.16
			For >10 To 20, Deduct	-129.27	
			For >20 To 40, Deduct	-258.54	
			For >40, Deduct	-428.26	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,292.62	809.16
			For >10 To 20, Deduct	-132.32	
			For >20 To 40, Deduct	-264.63	
			For >40, Deduct	-437.40	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,736.79	845.94
			For >10 To 20, Deduct	-143.42	
			For >20 To 40, Deduct	-286.84	
			For >40, Deduct	-472.56	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,541.57	882.72
			For >10 To 20, Deduct	-163.54	
			For >20 To 40, Deduct	-327.08	
			For >40, Deduct	-534.75	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,323.25	845.94
			For >10 To 20, Deduct	-158.08	
			For >20 To 40, Deduct	-316.16	
			For >40, Deduct	-516.54	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,456.39	882.72
			For >10 To 20, Deduct	-161.41	
			For >20 To 40, Deduct	-322.82	
			For >40, Deduct	-528.37	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,780.38	919.50
			For >10 To 20, Deduct	-194.51	
			For >20 To 40, Deduct	-389.02	
			For >40, Deduct	-629.50	
26 56 13 00-0163			Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm (26 56 13 00-0091)		
26 56 13 00-0164			Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0163)		
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,089.45	441.36
			For >10 To 20, Deduct	-77.24	
			For >20 To 40, Deduct	-154.47	
			For >40, Deduct	-253.78	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,168.06	441.36
			For >10 To 20, Deduct	-79.20	
			For >20 To 40, Deduct	-158.40	
			For >40, Deduct	-259.67	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,246.84	441.36
			For >10 To 20, Deduct	-81.17	
			For >20 To 40, Deduct	-162.34	
			For >40, Deduct	-265.58	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,705.13	588.48
			For >10 To 20, Deduct	-92.63	
			For >20 To 40, Deduct	-185.26	
			For >40, Deduct	-307.31	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,765.05	588.48
			For >10 To 20, Deduct	-94.13	
			For >20 To 40, Deduct	-188.25	
			For >40, Deduct	-311.80	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,830.52	588.48
			For >10 To 20, Deduct	-95.76	
			For >20 To 40, Deduct	-191.53	
			For >40, Deduct	-316.71	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,180.69	662.04
			For >10 To 20, Deduct	-104.52	
			For >20 To 40, Deduct	-209.03	
			For >40, Deduct	-346.65	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,262.04	662.04
			For >10 To 20, Deduct	-106.55	
			For >20 To 40, Deduct	-213.10	
			For >40, Deduct	-352.76	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,274.24	662.04
			For >10 To 20, Deduct	-106.86	
			For >20 To 40, Deduct	-213.71	
			For >40, Deduct	-353.67	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,543.69	698.82
			For >10 To 20, Deduct	-113.59	
			For >20 To 40, Deduct	-227.18	
			For >40, Deduct	-375.72	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,579.37	698.82
			For >10 To 20, Deduct	-114.48	
			For >20 To 40, Deduct	-228.97	
			For >40, Deduct	-378.39	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,663.01	698.82
			For >10 To 20, Deduct	-116.58	
			For >20 To 40, Deduct	-233.15	
			For >40, Deduct	-384.67	
26 56 13 00-0177			Area Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0178			Steel Area Light Poles (26 56 13 00-0177) Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179			Round Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0180			Round Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0179)		
26 56 13 00-0181	EA		10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,376.15	257.46
			For Galvanized Finish, Add	25.84	
			For >10 To 20, Deduct	-47.32	
			For >20 To 40, Deduct	-86.03	
			For >40, Deduct	-180.68	
26 56 13 00-0182	EA		12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,497.42	294.24
			For Galvanized Finish, Add	27.27	
			For >10 To 20, Deduct	-51.07	
			For >20 To 40, Deduct	-93.05	
			For >40, Deduct	-195.19	
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,673.57	331.02
			For Galvanized Finish, Add	30.35	
			For >10 To 20, Deduct	-57.01	
			For >20 To 40, Deduct	-103.91	
			For >40, Deduct	-217.93	
26 56 13 00-0184	EA		16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,854.48	367.80
			For Galvanized Finish, Add	33.57	
			For >10 To 20, Deduct	-63.15	
			For >20 To 40, Deduct	-115.10	
			For >40, Deduct	-241.39	
26 56 13 00-0185	EA		18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,975.76	404.58
			For Galvanized Finish, Add	35.00	
			For >10 To 20, Deduct	-66.89	
			For >20 To 40, Deduct	-122.12	
			For >40, Deduct	-255.91	
26 56 13 00-0186	EA		20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,085.10	441.36
			For Galvanized Finish, Add	36.07	
			For >10 To 20, Deduct	-70.16	
			For >20 To 40, Deduct	-128.30	
			For >40, Deduct	-268.63	
26 56 13 00-0187	EA		10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,438.18	257.46
			For Galvanized Finish, Add	27.70	
			For >10 To 20, Deduct	-49.80	
			For >20 To 40, Deduct	-90.37	
			For >40, Deduct	-189.98	
26 56 13 00-0188	EA		12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,561.84	294.24
			For Galvanized Finish, Add	29.20	
			For >10 To 20, Deduct	-53.65	
			For >20 To 40, Deduct	-97.56	
			For >40, Deduct	-204.85	
26 56 13 00-0189	EA		14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,802.40	331.02
			For Galvanized Finish, Add	34.21	
			For >10 To 20, Deduct	-62.17	
			For >20 To 40, Deduct	-112.93	
			For >40, Deduct	-237.26	
26 56 13 00-0190	EA		16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,937.98	367.80
			For Galvanized Finish, Add	36.07	
			For >10 To 20, Deduct	-66.49	
			For >20 To 40, Deduct	-120.95	
			For >40, Deduct	-253.92	
26 56 13 00-0191	EA		18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,066.41	404.58
			For Galvanized Finish, Add	37.72	
			For >10 To 20, Deduct	-70.52	
			For >20 To 40, Deduct	-128.47	
			For >40, Deduct	-269.50	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0192 EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,170.99	441.36
For Galvanized Finish, Add	38.65	
For >10 To 20, Deduct	-73.60	
For >20 To 40, Deduct	-134.31	
For >40, Deduct	-281.51	
26 56 13 00-0193 EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,553.50	588.48
For Galvanized Finish, Add	41.30	
For >10 To 20, Deduct	-84.49	
For >20 To 40, Deduct	-155.21	
For >40, Deduct	-324.18	
26 56 13 00-0194 EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,438.18	257.46
For Galvanized Finish, Add	27.70	
For >10 To 20, Deduct	-49.80	
For >20 To 40, Deduct	-90.37	
For >40, Deduct	-189.98	
26 56 13 00-0195 EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,568.99	294.24
For Galvanized Finish, Add	29.42	
For >10 To 20, Deduct	-53.93	
For >20 To 40, Deduct	-98.06	
For >40, Deduct	-205.92	
26 56 13 00-0196 EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,840.57	331.02
For Galvanized Finish, Add	35.36	
For >10 To 20, Deduct	-63.69	
For >20 To 40, Deduct	-115.60	
For >40, Deduct	-242.98	
26 56 13 00-0197 EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,945.14	367.80
For Galvanized Finish, Add	36.29	
For >10 To 20, Deduct	-66.77	
For >20 To 40, Deduct	-121.45	
For >40, Deduct	-254.99	
26 56 13 00-0198 EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,066.41	404.58
For Galvanized Finish, Add	37.72	
For >10 To 20, Deduct	-70.52	
For >20 To 40, Deduct	-128.47	
For >40, Deduct	-269.50	
26 56 13 00-0199 EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,170.99	441.36
For Galvanized Finish, Add	38.65	
For >10 To 20, Deduct	-73.60	
For >20 To 40, Deduct	-134.31	
For >40, Deduct	-281.51	
26 56 13 00-0200 EA 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,620.30	588.48
For Galvanized Finish, Add	43.30	
For >10 To 20, Deduct	-87.16	
For >20 To 40, Deduct	-159.88	
For >40, Deduct	-334.20	
26 56 13 00-0201 EA 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,891.47	662.04
For Galvanized Finish, Add	47.02	
For >10 To 20, Deduct	-95.80	
For >20 To 40, Deduct	-175.92	
For >40, Deduct	-367.52	
26 56 13 00-0202 EA 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,323.67	441.36
For Galvanized Finish, Add	43.23	
For >10 To 20, Deduct	-79.71	
For >20 To 40, Deduct	-145.00	
For >40, Deduct	-304.41	
26 56 13 00-0203 EA 25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,651.31	588.48
For Galvanized Finish, Add	44.23	
For >10 To 20, Deduct	-88.40	
For >20 To 40, Deduct	-162.05	
For >40, Deduct	-338.85	
26 56 13 00-0204 EA 30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,951.11	662.04
For Galvanized Finish, Add	48.81	
For >10 To 20, Deduct	-98.18	
For >20 To 40, Deduct	-180.10	
For >40, Deduct	-376.46	
26 56 13 00-0205 Round Tapered, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)		
26 56 13 00-0207 EA 20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,862.83	441.36
For Galvanized Finish, Add	59.40	
For >10 To 20, Deduct	-101.27	
For >20 To 40, Deduct	-182.74	
For >40, Deduct	-385.29	
26 56 13 00-0208 EA 20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,936.79	441.36
For Galvanized Finish, Add	61.62	
For >10 To 20, Deduct	-104.23	
For >20 To 40, Deduct	-187.92	
For >40, Deduct	-396.38	
26 56 13 00-0209 EA 25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,393.26	588.48
For Galvanized Finish, Add	66.49	
For >10 To 20, Deduct	-118.08	
For >20 To 40, Deduct	-213.99	
For >40, Deduct	-450.14	



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,545.94	588.48	
		For Galvanized Finish, Add	71.07		
		For >10 To 20, Deduct	-124.18		
		For >20 To 40, Deduct	-224.68		
		For >40, Deduct	-473.04		
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,778.94	662.04	
		For Galvanized Finish, Add	73.65		
		For >10 To 20, Deduct	-131.30		
		For >20 To 40, Deduct	-238.04		
		For >40, Deduct	-500.64		
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,034.21	662.04	
		For Galvanized Finish, Add	81.30		
		For >10 To 20, Deduct	-141.51		
		For >20 To 40, Deduct	-255.91		
		For >40, Deduct	-538.93		
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,160.26	698.82	
		For Galvanized Finish, Add	82.88		
		For >10 To 20, Deduct	-145.45		
		For >20 To 40, Deduct	-263.27		
		For >40, Deduct	-554.16		
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,317.71	698.82	
		For Galvanized Finish, Add	87.60		
		For >10 To 20, Deduct	-151.74		
		For >20 To 40, Deduct	-274.29		
		For >40, Deduct	-577.77		
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,694.65	698.82	
		For Galvanized Finish, Add	98.91		
		For >10 To 20, Deduct	-166.82		
		For >20 To 40, Deduct	-300.67		
		For >40, Deduct	-634.32		
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,739.59	735.60	
		For Galvanized Finish, Add	98.05		
		For >10 To 20, Deduct	-167.52		
		For >20 To 40, Deduct	-302.35		
		For >40, Deduct	-637.38		
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,806.39	735.60	
		For Galvanized Finish, Add	100.06		
		For >10 To 20, Deduct	-170.19		
		For >20 To 40, Deduct	-307.02		
		For >40, Deduct	-647.40		
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,533.62	956.28	
		For Galvanized Finish, Add	138.63		
		For >10 To 20, Deduct	-232.66		
		For >20 To 40, Deduct	-419.10		
		For >40, Deduct	-884.42		
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,813.55	1,103.40	
		For Galvanized Finish, Add	138.20		
		For >10 To 20, Deduct	-239.44		
		For >20 To 40, Deduct	-432.81		
		For >40, Deduct	-911.69		
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,581.33	588.48	
		For Galvanized Finish, Add	102.13		
		For >10 To 20, Deduct	-165.60		
		For >20 To 40, Deduct	-297.15		
		For >40, Deduct	-628.35		
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,200.81	662.04	
		For Galvanized Finish, Add	116.30		
		For >10 To 20, Deduct	-188.17		
		For >20 To 40, Deduct	-337.58		
		For >40, Deduct	-713.92		
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,025.47	735.60	
		For Galvanized Finish, Add	136.63		
		For >10 To 20, Deduct	-218.95		
		For >20 To 40, Deduct	-392.36		
		For >40, Deduct	-830.26		
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,277.95	956.28	
		For Galvanized Finish, Add	160.96		
		For >10 To 20, Deduct	-262.43		
		For >20 To 40, Deduct	-471.21		
		For >40, Deduct	-996.06		
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,493.07	1,103.40	
		For Galvanized Finish, Add	188.59		
		For >10 To 20, Deduct	-306.62		
		For >20 To 40, Deduct	-550.38		
		For >40, Deduct	-1,163.62		
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	9,464.04	1,103.40	
		For Galvanized Finish, Add	217.72		
		For >10 To 20, Deduct	-345.46		
		For >20 To 40, Deduct	-618.35		
		For >40, Deduct	-1,309.27		
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	12,708.56	1,103.40	
		For Galvanized Finish, Add	315.05		
		For >10 To 20, Deduct	-475.24		
		For >20 To 40, Deduct	-845.46		
		For >40, Deduct	-1,795.94		

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0227 EA 50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	14,283.11 362.29 -538.22 -955.68 -2,032.13	1,103.40
26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)		
26 56 13 00-0230 EA 12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,357.06 25.26 -46.56 -84.70 -177.81	257.46
26 56 13 00-0231 EA 12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,430.62 25.26 -48.40 -88.37 -185.17	294.24
26 56 13 00-0232 EA 14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,544.74 26.48 -51.86 -94.89 -198.61	331.02
26 56 13 00-0233 EA 15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,638.78 28.20 -55.07 -100.74 -210.88	349.41
26 56 13 00-0234 EA 16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,675.56 28.20 -55.99 -102.58 -214.55	367.80
26 56 13 00-0235 EA 18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,775.36 28.99 -58.88 -108.09 -225.85	404.58
26 56 13 00-0236 EA 20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,870.39 29.63 -61.57 -113.27 -236.42	441.36
26 56 13 00-0237 EA 25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,307.77 33.92 -74.66 -138.00 -287.32	588.48
26 56 13 00-0238 EA 20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,192.46 39.29 -74.46 -135.82 -284.73	441.36
26 56 13 00-0239 EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,751.51 47.24 -92.41 -169.07 -353.88	588.48
26 56 13 00-0240 EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,158.67 55.04 -106.49 -194.63 -407.60	662.04
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,104.19 36.64 -70.93 -129.64 -271.49	441.36
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,579.74 42.08 -85.54 -157.04 -328.11	588.48
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,010.76 50.60 -100.57 -184.27 -385.41	662.04
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,407.17 45.73 -83.05 -150.85 -316.94	441.36



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,966.22	588.48	
		For Galvanized Finish, Add	53.68		
		For >10 To 20, Deduct	-100.99		
		For >20 To 40, Deduct	-184.10		
		For >40, Deduct	-386.09		
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,361.45	662.04	
		For Galvanized Finish, Add	61.12		
		For >10 To 20, Deduct	-114.60		
		For >20 To 40, Deduct	-208.82		
		For >40, Deduct	-438.01		
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,730.84	698.82	
		For Galvanized Finish, Add	70.00		
		For >10 To 20, Deduct	-128.27		
		For >20 To 40, Deduct	-233.21		
		For >40, Deduct	-489.74		
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,831.43	662.04	
		For Galvanized Finish, Add	75.22		
		For >10 To 20, Deduct	-133.40		
		For >20 To 40, Deduct	-241.72		
		For >40, Deduct	-508.51		
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,203.20	698.82	
		For Galvanized Finish, Add	84.17		
		For >10 To 20, Deduct	-147.16		
		For >20 To 40, Deduct	-266.27		
		For >40, Deduct	-560.60		
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,446.15	735.60	
		For Galvanized Finish, Add	89.25		
		For >10 To 20, Deduct	-155.78		
		For >20 To 40, Deduct	-281.81		
		For >40, Deduct	-593.36		
26 56 13 00-0251		Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)			
26 56 13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)			
26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,838.68	441.36	
		For Galvanized Finish, Add	118.68		
		For >10 To 20, Deduct	-180.31		
		For >20 To 40, Deduct	-321.05		
		For >40, Deduct	-681.67		
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,401.89	588.48	
		For Galvanized Finish, Add	126.75		
		For >10 To 20, Deduct	-198.42		
		For >20 To 40, Deduct	-354.59		
		For >40, Deduct	-751.44		
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,558.71	662.04	
		For Galvanized Finish, Add	187.04		
		For >10 To 20, Deduct	-282.49		
		For >20 To 40, Deduct	-502.63		
		For >40, Deduct	-1,067.60		
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,935.10	441.36	
		For Galvanized Finish, Add	121.57		
		For >10 To 20, Deduct	-184.16		
		For >20 To 40, Deduct	-327.80		
		For >40, Deduct	-696.13		
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,962.68	588.48	
		For Galvanized Finish, Add	143.57		
		For >10 To 20, Deduct	-220.85		
		For >20 To 40, Deduct	-393.85		
		For >40, Deduct	-835.55		
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,393.54	662.04	
		For Galvanized Finish, Add	212.08		
		For >10 To 20, Deduct	-315.88		
		For >20 To 40, Deduct	-561.07		
		For >40, Deduct	-1,192.83		
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,631.81	698.82	
		For Galvanized Finish, Add	247.03		
		For >10 To 20, Deduct	-364.31		
		For >20 To 40, Deduct	-646.27		
		For >40, Deduct	-1,374.89		
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,321.77	735.60	
		For Galvanized Finish, Add	295.52		
		For >10 To 20, Deduct	-430.80		
		For >20 To 40, Deduct	-763.10		
		For >40, Deduct	-1,624.71		
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,686.43	441.36	
		For Galvanized Finish, Add	114.11		
		For >10 To 20, Deduct	-174.22		
		For >20 To 40, Deduct	-310.40		
		For >40, Deduct	-658.83		
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,158.29	588.48	
		For Galvanized Finish, Add	119.44		
		For >10 To 20, Deduct	-188.68		
		For >20 To 40, Deduct	-337.54		
		For >40, Deduct	-714.90		

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0263 EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,129.87	662.04
For Galvanized Finish, Add	174.17	
For >10 To 20, Deduct	-265.33	
For >20 To 40, Deduct	-472.61	
For >40, Deduct	-1,003.28	
26 56 13 00-0264 EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,861.51	441.36
For Galvanized Finish, Add	119.36	
For >10 To 20, Deduct	-181.22	
For >20 To 40, Deduct	-322.65	
For >40, Deduct	-685.09	
26 56 13 00-0265 EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,734.30	588.48
For Galvanized Finish, Add	136.72	
For >10 To 20, Deduct	-211.72	
For >20 To 40, Deduct	-377.86	
For >40, Deduct	-801.30	
26 56 13 00-0266 EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	8,076.36	662.04
For Galvanized Finish, Add	202.57	
For >10 To 20, Deduct	-303.19	
For >20 To 40, Deduct	-538.86	
For >40, Deduct	-1,145.25	
26 56 13 00-0267 EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,130.49	441.36
For Galvanized Finish, Add	127.43	
For >10 To 20, Deduct	-191.98	
For >20 To 40, Deduct	-341.48	
For >40, Deduct	-725.44	
26 56 13 00-0268 EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,218.96	588.48
For Galvanized Finish, Add	151.26	
For >10 To 20, Deduct	-231.10	
For >20 To 40, Deduct	-411.79	
For >40, Deduct	-874.00	
26 56 13 00-0269 EA 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,647.29	662.04
For Galvanized Finish, Add	219.70	
For >10 To 20, Deduct	-326.03	
For >20 To 40, Deduct	-578.83	
For >40, Deduct	-1,230.89	
26 56 13 00-0270 EA 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,941.39	698.82
For Galvanized Finish, Add	256.31	
For >10 To 20, Deduct	-376.69	
For >20 To 40, Deduct	-667.94	
For >40, Deduct	-1,421.33	
26 56 13 00-0271 EA 39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,486.71	735.60
For Galvanized Finish, Add	300.47	
For >10 To 20, Deduct	-437.40	
For >20 To 40, Deduct	-774.65	
For >40, Deduct	-1,649.45	
26 56 13 00-0272 Square Tapered, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0272)		
26 56 13 00-0274 EA 20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,666.81	441.36
For Galvanized Finish, Add	83.52	
For >10 To 20, Deduct	-133.43	
For >20 To 40, Deduct	-239.02	
For >40, Deduct	-505.89	
26 56 13 00-0275 EA 25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,452.50	588.48
For Galvanized Finish, Add	98.27	
For >10 To 20, Deduct	-160.45	
For >20 To 40, Deduct	-288.14	
For >40, Deduct	-609.03	
26 56 13 00-0276 EA 30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,955.08	662.04
For Galvanized Finish, Add	108.93	
For >10 To 20, Deduct	-178.34	
For >20 To 40, Deduct	-320.37	
For >40, Deduct	-677.06	
26 56 13 00-0277 EA 35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,498.62	698.82
For Galvanized Finish, Add	123.03	
For >10 To 20, Deduct	-198.98	
For >20 To 40, Deduct	-356.95	
For >40, Deduct	-754.91	
26 56 13 00-0278 EA 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,796.45	735.60
For Galvanized Finish, Add	129.76	
For >10 To 20, Deduct	-209.79	
For >20 To 40, Deduct	-376.33	
For >40, Deduct	-795.91	
26 56 13 00-0279 EA 20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,737.98	441.36
For Galvanized Finish, Add	115.66	
For >10 To 20, Deduct	-176.28	
For >20 To 40, Deduct	-314.00	
For >40, Deduct	-666.56	
26 56 13 00-0280 EA 25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,292.26	588.48
For Galvanized Finish, Add	123.46	
For >10 To 20, Deduct	-194.04	
For >20 To 40, Deduct	-346.92	
For >40, Deduct	-734.99	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0281 EA 30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,642.16 129.54 -205.83 -368.47 -780.12	662.04
26 56 13 00-0282 EA 30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	6,271.98 148.44 -231.02 -412.56 -874.59	662.04
26 56 13 00-0283 EA 35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	6,798.82 162.04 -250.99 -447.96 -949.94	698.82
26 56 13 00-0284 EA 35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	7,578.94 185.44 -282.19 -502.57 -1,066.96	698.82
26 56 13 00-0285 EA 39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	6,908.17 163.11 -254.26 -454.15 -962.67	735.60
26 56 13 00-0286 EA 39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	8,828.65 220.72 -331.08 -588.58 -1,250.74	735.60
26 56 13 00-0287 EA 45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	8,158.27 187.37 -297.64 -532.83 -1,128.11	956.28
26 56 13 00-0288 EA 45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	9,468.01 226.66 -350.03 -624.51 -1,324.57	956.28
26 56 13 00-0289 EA 50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	9,829.05 228.67 -360.06 -643.90 -1,364.02	1,103.40
26 56 13 00-0290 Factory Accessories For Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0291 EA 1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	84.58	
26 56 13 00-0292 EA Extra Handhole For Steel Area Light Poles	125.79	
26 56 13 00-0293 EA Vibration Dampener For Steel Area Light Poles	127.96	
26 56 13 00-0294 Aluminum Area Light Poles (26 56 13 00-0177) Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0295 Round Straight, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0295)		
26 56 13 00-0297 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	822.78 38.14 76.28 -26.29 -48.77 -101.35	220.68
26 56 13 00-0298 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	915.90 40.10 80.20 -28.91 -53.81 -111.64	257.46
26 56 13 00-0299 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,013.91 42.54 85.09 -31.73 -59.20 -122.66	294.24
26 56 13 00-0300 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,112.90 45.09 90.17 -34.59 -64.66 -133.83	331.02

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,166.31	349.41
		For Bronze Or Satin Anodized Finish, Add	46.75	
		For Black Anodized Finish, Add	93.50	
		For >10 To 20, Deduct	-36.17	
		For >20 To 40, Deduct	-67.67	
		For >40, Deduct	-140.01	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,218.74	367.80
		For Bronze Or Satin Anodized Finish, Add	48.31	
		For Black Anodized Finish, Add	96.63	
		For >10 To 20, Deduct	-37.72	
		For >20 To 40, Deduct	-70.60	
		For >40, Deduct	-146.03	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,277.42	367.80
		For Bronze Or Satin Anodized Finish, Add	54.18	
		For Black Anodized Finish, Add	108.36	
		For >10 To 20, Deduct	-40.06	
		For >20 To 40, Deduct	-74.71	
		For >40, Deduct	-154.83	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,388.14	404.58
		For Bronze Or Satin Anodized Finish, Add	57.90	
		For Black Anodized Finish, Add	115.80	
		For >10 To 20, Deduct	-43.39	
		For >20 To 40, Deduct	-80.99	
		For >40, Deduct	-167.76	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,493.00	441.36
		For Bronze Or Satin Anodized Finish, Add	61.03	
		For Black Anodized Finish, Add	122.06	
		For >10 To 20, Deduct	-46.48	
		For >20 To 40, Deduct	-86.86	
		For >40, Deduct	-179.81	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,382.45	349.41
		For Bronze Or Satin Anodized Finish, Add	68.36	
		For Black Anodized Finish, Add	136.73	
		For >10 To 20, Deduct	-44.82	
		For >20 To 40, Deduct	-82.80	
		For >40, Deduct	-172.43	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,709.14	441.36
		For Bronze Or Satin Anodized Finish, Add	82.64	
		For Black Anodized Finish, Add	165.28	
		For >10 To 20, Deduct	-55.12	
		For >20 To 40, Deduct	-101.99	
		For >40, Deduct	-212.24	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,818.68	441.36
		For Bronze Or Satin Anodized Finish, Add	93.60	
		For Black Anodized Finish, Add	187.19	
		For >10 To 20, Deduct	-59.51	
		For >20 To 40, Deduct	-109.65	
		For >40, Deduct	-228.67	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,215.61	588.48
		For Bronze Or Satin Anodized Finish, Add	103.87	
		For Black Anodized Finish, Add	207.73	
		For >10 To 20, Deduct	-70.97	
		For >20 To 40, Deduct	-131.55	
		For >40, Deduct	-273.49	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,557.35	662.04
		For Bronze Or Satin Anodized Finish, Add	123.33	
		For Black Anodized Finish, Add	246.65	
		For >10 To 20, Deduct	-82.43	
		For >20 To 40, Deduct	-152.53	
		For >40, Deduct	-317.40	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,560.48	441.36
		For Bronze Or Satin Anodized Finish, Add	67.78	
		For Black Anodized Finish, Add	135.55	
		For >10 To 20, Deduct	-49.18	
		For >20 To 40, Deduct	-91.58	
		For >40, Deduct	-189.94	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,809.87	441.36
		For Bronze Or Satin Anodized Finish, Add	92.72	
		For Black Anodized Finish, Add	185.43	
		For >10 To 20, Deduct	-59.15	
		For >20 To 40, Deduct	-109.04	
		For >40, Deduct	-227.34	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,199.96	588.48
		For Bronze Or Satin Anodized Finish, Add	102.30	
		For Black Anodized Finish, Add	204.60	
		For >10 To 20, Deduct	-70.34	
		For >20 To 40, Deduct	-130.46	
		For >40, Deduct	-271.15	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,341.77	588.48
		For Bronze Or Satin Anodized Finish, Add	116.48	
		For Black Anodized Finish, Add	232.96	
		For >10 To 20, Deduct	-76.02	
		For >20 To 40, Deduct	-140.38	
		For >40, Deduct	-292.42	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0315 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,717.74 139.37 278.73 -88.85 -163.76 -341.46	662.04
26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0295)		
26 56 13 00-0317 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	922.54 72.18 -30.28 -55.75 -116.31	220.68
26 56 13 00-0318 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,035.22 78.05 -33.69 -62.17 -129.54	257.46
26 56 13 00-0319 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,143.99 83.33 -36.93 -68.31 -142.17	294.24
26 56 13 00-0320 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,234.18 85.82 -39.44 -73.15 -152.03	331.02
26 56 13 00-0321 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,336.10 90.08 -42.41 -78.82 -163.64	367.80
26 56 13 00-0322 EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,055.76 81.13 -34.51 -63.60 -132.62	257.46
26 56 13 00-0323 EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,162.57 86.11 -37.68 -69.61 -144.96	294.24
26 56 13 00-0324 EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,272.32 91.54 -40.96 -75.82 -157.75	331.02
26 56 13 00-0325 EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,381.09 96.82 -44.21 -81.96 -170.38	367.80
26 56 13 00-0326 EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,494.74 102.84 -47.65 -88.45 -183.75	404.58
26 56 13 00-0327 EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,602.54 107.97 -50.86 -94.52 -196.25	441.36
26 56 13 00-0328 EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,200.71 91.83 -39.20 -72.28 -150.68	294.24
26 56 13 00-0329 EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,317.31 98.29 -42.76 -78.97 -164.49	331.02
26 56 13 00-0330 EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,432.92 104.60 -46.28 -85.59 -178.16	367.80
26 56 13 00-0331 EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,550.49 111.20 -49.88 -92.35 -192.12	404.58

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0332 EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,487.69 112.81 -48.47 -89.43 -186.37	367.80
26 56 13 00-0333 EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,730.65 127.19 -55.99 -103.49 -215.46	441.36
26 56 13 00-0334 EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,236.90 97.26 -40.65 -74.81 -156.11	294.24
26 56 13 00-0335 EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,364.25 105.33 -44.64 -82.26 -171.54	331.02
26 56 13 00-0336 EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,481.82 111.93 -48.24 -89.02 -185.49	367.80
26 56 13 00-0337 EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,605.26 119.42 -52.07 -96.19 -200.33	404.58
26 56 13 00-0338 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,725.76 126.46 -55.79 -103.15 -214.73	441.36
26 56 13 00-0339 EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,553.22 122.64 -51.09 -94.01 -196.20	367.80
26 56 13 00-0340 EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,685.46 131.45 -55.28 -101.80 -212.36	404.58
26 56 13 00-0341 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,756.08 131.00 -57.00 -105.27 -219.28	441.36
26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0295) Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	727.71 35.99 71.98 -23.59 -43.58 -90.77	183.90
26 56 13 00-0344 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	783.07 37.85 75.70 -25.25 -46.72 -97.23	202.29
26 56 13 00-0345 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	863.86 42.25 84.50 -27.93 -51.64 -107.51	220.68
26 56 13 00-0346 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	886.35 44.50 89.00 -28.83 -53.22 -110.88	220.68
26 56 13 00-0347 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	914.72 47.34 94.67 -29.97 -55.20 -115.14	220.68



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	1,037.56	239.07
		For Bronze Or Satin Anodized Finish, Add	55.94		
		For Black Anodized Finish, Add	111.88		
		For >10 To 20, Deduct	-34.33		
		For >20 To 40, Deduct	-63.07		
		For >40, Deduct	-131.73		
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	1,110.53	257.46
		For Bronze Or Satin Anodized Finish, Add	59.56		
		For Black Anodized Finish, Add	119.12		
		For >10 To 20, Deduct	-36.70		
		For >20 To 40, Deduct	-67.44		
		For >40, Deduct	-140.83		
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	1,262.12	257.46
		For Bronze Or Satin Anodized Finish, Add	74.72		
		For Black Anodized Finish, Add	149.44		
		For >10 To 20, Deduct	-42.76		
		For >20 To 40, Deduct	-78.05		
		For >40, Deduct	-163.57		
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	1,530.30	294.24
		For Bronze Or Satin Anodized Finish, Add	94.18		
		For Black Anodized Finish, Add	188.36		
		For >10 To 20, Deduct	-52.38		
		For >20 To 40, Deduct	-95.35		
		For >40, Deduct	-200.12		
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	1,734.92	331.02
		For Bronze Or Satin Anodized Finish, Add	107.29		
		For Black Anodized Finish, Add	214.58		
		For >10 To 20, Deduct	-59.47		
		For >20 To 40, Deduct	-108.20		
		For >40, Deduct	-227.14		
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	1,913.89	331.02
		For Bronze Or Satin Anodized Finish, Add	125.19		
		For Black Anodized Finish, Add	250.37		
		For >10 To 20, Deduct	-66.63		
		For >20 To 40, Deduct	-120.73		
		For >40, Deduct	-253.98		
26 56 13 00-0354		Round Tapered, Aluminum Area Light Poles	(26 56 13 00-0294)		
26 56 13 00-0355		Round Tapered, Aluminum Area Light Poles, Anchor Base	(26 56 13 00-0354)		
26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	718.14	220.68
		For Bronze Or Satin Anodized Finish, Add	27.68		
		For Black Anodized Finish, Add	55.36		
		For >10 To 20, Deduct	-22.11		
		For >20 To 40, Deduct	-41.44		
		For >40, Deduct	-85.65		
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	814.19	257.46
		For Bronze Or Satin Anodized Finish, Add	29.93		
		For Black Anodized Finish, Add	59.85		
		For >10 To 20, Deduct	-24.84		
		For >20 To 40, Deduct	-46.69		
		For >40, Deduct	-96.38		
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	910.25	294.24
		For Bronze Or Satin Anodized Finish, Add	32.18		
		For Black Anodized Finish, Add	64.35		
		For >10 To 20, Deduct	-27.58		
		For >20 To 40, Deduct	-51.95		
		For >40, Deduct	-107.11		
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	1,015.10	331.02
		For Bronze Or Satin Anodized Finish, Add	35.31		
		For Black Anodized Finish, Add	70.61		
		For >10 To 20, Deduct	-30.67		
		For >20 To 40, Deduct	-57.82		
		For >40, Deduct	-119.16		
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	1,118.98	367.80
		For Bronze Or Satin Anodized Finish, Add	38.34		
		For Black Anodized Finish, Add	76.68		
		For >10 To 20, Deduct	-33.73		
		For >20 To 40, Deduct	-63.62		
		For >40, Deduct	-131.07		
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	839.62	257.46
		For Bronze Or Satin Anodized Finish, Add	32.47		
		For Black Anodized Finish, Add	64.94		
		For >10 To 20, Deduct	-25.86		
		For >20 To 40, Deduct	-48.48		
		For >40, Deduct	-100.20		
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	950.34	294.24
		For Bronze Or Satin Anodized Finish, Add	36.19		
		For Black Anodized Finish, Add	72.37		
		For >10 To 20, Deduct	-29.19		
		For >20 To 40, Deduct	-54.75		
		For >40, Deduct	-113.13		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,058.13	331.02
		For Bronze Or Satin Anodized Finish, Add	39.61	
		For Black Anodized Finish, Add	79.22	
		For >10 To 20, Deduct	-32.39	
		For >20 To 40, Deduct	-60.83	
		For >40, Deduct	-125.62	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,266.87	404.58
		For Bronze Or Satin Anodized Finish, Add	45.77	
		For Black Anodized Finish, Add	91.54	
		For >10 To 20, Deduct	-38.54	
		For >20 To 40, Deduct	-72.50	
		For >40, Deduct	-149.57	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,364.88	441.36
		For Bronze Or Satin Anodized Finish, Add	48.22	
		For Black Anodized Finish, Add	96.43	
		For >10 To 20, Deduct	-41.35	
		For >20 To 40, Deduct	-77.89	
		For >40, Deduct	-160.60	
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	986.53	294.24
		For Bronze Or Satin Anodized Finish, Add	39.81	
		For Black Anodized Finish, Add	79.61	
		For >10 To 20, Deduct	-30.63	
		For >20 To 40, Deduct	-57.29	
		For >40, Deduct	-118.56	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,100.19	331.02
		For Bronze Or Satin Anodized Finish, Add	43.82	
		For Black Anodized Finish, Add	87.63	
		For >10 To 20, Deduct	-34.08	
		For >20 To 40, Deduct	-63.77	
		For >40, Deduct	-131.93	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,220.69	367.80
		For Bronze Or Satin Anodized Finish, Add	48.51	
		For Black Anodized Finish, Add	97.02	
		For >10 To 20, Deduct	-37.79	
		For >20 To 40, Deduct	-70.74	
		For >40, Deduct	-146.32	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,323.59	404.58
		For Bronze Or Satin Anodized Finish, Add	51.44	
		For Black Anodized Finish, Add	102.89	
		For >10 To 20, Deduct	-40.81	
		For >20 To 40, Deduct	-76.47	
		For >40, Deduct	-158.08	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,440.19	441.36
		For Bronze Or Satin Anodized Finish, Add	55.75	
		For Black Anodized Finish, Add	111.49	
		For >10 To 20, Deduct	-44.37	
		For >20 To 40, Deduct	-83.16	
		For >40, Deduct	-171.89	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,316.54	367.80
		For Bronze Or Satin Anodized Finish, Add	58.09	
		For Black Anodized Finish, Add	116.19	
		For >10 To 20, Deduct	-41.63	
		For >20 To 40, Deduct	-77.45	
		For >40, Deduct	-160.70	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,445.84	404.58
		For Bronze Or Satin Anodized Finish, Add	63.67	
		For Black Anodized Finish, Add	127.34	
		For >10 To 20, Deduct	-45.70	
		For >20 To 40, Deduct	-85.03	
		For >40, Deduct	-176.42	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,535.05	441.36
		For Bronze Or Satin Anodized Finish, Add	65.23	
		For Black Anodized Finish, Add	130.47	
		For >10 To 20, Deduct	-48.16	
		For >20 To 40, Deduct	-89.80	
		For >40, Deduct	-186.12	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,769.22	514.92
		For Bronze Or Satin Anodized Finish, Add	73.94	
		For Black Anodized Finish, Add	147.88	
		For >10 To 20, Deduct	-55.32	
		For >20 To 40, Deduct	-103.25	
		For >40, Deduct	-213.89	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,009.25	588.48
		For Bronze Or Satin Anodized Finish, Add	83.23	
		For Black Anodized Finish, Add	166.46	
		For >10 To 20, Deduct	-62.72	
		For >20 To 40, Deduct	-117.11	
		For >40, Deduct	-242.54	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,541.69	404.58
		For Bronze Or Satin Anodized Finish, Add	73.25	
		For Black Anodized Finish, Add	146.51	
		For >10 To 20, Deduct	-49.53	
		For >20 To 40, Deduct	-91.74	
		For >40, Deduct	-190.80	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0377	EA	20'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,651.44 76.87 153.74 -52.82 -97.95 -203.58	441.36
26 56 13 00-0378	EA	23'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,861.15 83.13 166.26 -59.00 -109.68 -227.68	514.92
26 56 13 00-0379	EA	25'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,079.66 90.27 180.54 -65.53 -122.04 -253.10	588.48
26 56 13 00-0380	EA	28'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,232.44 98.19 196.38 -70.54 -131.26 -272.34	625.26
26 56 13 00-0381	EA	30'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,387.18 106.31 212.62 -75.63 -140.62 -291.87	662.04
26 56 13 00-0382	EA	23'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,952.10 92.23 184.45 -62.64 -116.05 -241.32	514.92
26 56 13 00-0383	EA	25'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,140.30 96.33 192.67 -67.96 -126.28 -262.20	588.48
26 56 13 00-0384	EA	28'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,297.97 104.75 209.49 -73.16 -135.85 -282.17	625.26
26 56 13 00-0385	EA	30'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,488.89 116.48 232.96 -79.69 -147.74 -307.13	662.04
26 56 13 00-0386	EA	33'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,569.68 120.88 241.76 -82.37 -152.66 -317.41	680.43
26 56 13 00-0387	EA	35'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,724.80 132.72 265.43 -88.03 -162.78 -338.84	698.82
26 56 13 00-0388	EA	12'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,026.63 43.82 87.63 -32.24 -60.09 -124.57	294.24
26 56 13 00-0389	EA	14'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,147.13 48.51 97.02 -35.95 -67.06 -138.97	331.02
26 56 13 00-0390	EA	16'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,271.55 53.60 107.19 -39.83 -74.30 -153.95	367.80

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,385.21	404.58
		For Bronze Or Satin Anodized Finish, Add	57.61	
		For Black Anodized Finish, Add	115.21	
		For >10 To 20, Deduct	-43.27	
		For >20 To 40, Deduct	-80.78	
		For >40, Deduct	-167.32	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,497.89	441.36
		For Bronze Or Satin Anodized Finish, Add	61.52	
		For Black Anodized Finish, Add	123.03	
		For >10 To 20, Deduct	-46.67	
		For >20 To 40, Deduct	-87.20	
		For >40, Deduct	-180.55	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,378.15	367.80
		For Bronze Or Satin Anodized Finish, Add	64.26	
		For Black Anodized Finish, Add	128.51	
		For >10 To 20, Deduct	-44.09	
		For >20 To 40, Deduct	-81.76	
		For >40, Deduct	-169.94	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,510.39	404.58
		For Bronze Or Satin Anodized Finish, Add	70.12	
		For Black Anodized Finish, Add	140.25	
		For >10 To 20, Deduct	-48.28	
		For >20 To 40, Deduct	-89.54	
		For >40, Deduct	-186.10	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,612.32	441.36
		For Bronze Or Satin Anodized Finish, Add	72.96	
		For Black Anodized Finish, Add	145.92	
		For >10 To 20, Deduct	-51.25	
		For >20 To 40, Deduct	-95.21	
		For >40, Deduct	-197.71	
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,841.59	514.92
		For Bronze Or Satin Anodized Finish, Add	81.18	
		For Black Anodized Finish, Add	162.35	
		For >10 To 20, Deduct	-58.22	
		For >20 To 40, Deduct	-108.31	
		For >40, Deduct	-224.75	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,076.73	588.48
		For Bronze Or Satin Anodized Finish, Add	89.98	
		For Black Anodized Finish, Add	179.95	
		For >10 To 20, Deduct	-65.41	
		For >20 To 40, Deduct	-121.83	
		For >40, Deduct	-252.66	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,062.62	514.92
		For Bronze Or Satin Anodized Finish, Add	103.28	
		For Black Anodized Finish, Add	206.56	
		For >10 To 20, Deduct	-67.06	
		For >20 To 40, Deduct	-123.79	
		For >40, Deduct	-257.90	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,287.00	588.48
		For Bronze Or Satin Anodized Finish, Add	111.00	
		For Black Anodized Finish, Add	222.01	
		For >10 To 20, Deduct	-73.83	
		For >20 To 40, Deduct	-136.55	
		For >40, Deduct	-284.20	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,456.41	625.26
		For Bronze Or Satin Anodized Finish, Add	120.59	
		For Black Anodized Finish, Add	241.18	
		For >10 To 20, Deduct	-79.50	
		For >20 To 40, Deduct	-146.94	
		For >40, Deduct	-305.94	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,609.19	662.04
		For Bronze Or Satin Anodized Finish, Add	128.51	
		For Black Anodized Finish, Add	257.02	
		For >10 To 20, Deduct	-84.51	
		For >20 To 40, Deduct	-156.16	
		For >40, Deduct	-325.17	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,740.83	680.43
		For Bronze Or Satin Anodized Finish, Add	138.00	
		For Black Anodized Finish, Add	275.99	
		For >10 To 20, Deduct	-89.22	
		For >20 To 40, Deduct	-164.64	
		For >40, Deduct	-343.08	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,856.83	698.82
		For Bronze Or Satin Anodized Finish, Add	145.92	
		For Black Anodized Finish, Add	291.84	
		For >10 To 20, Deduct	-93.31	
		For >20 To 40, Deduct	-172.03	
		For >40, Deduct	-358.64	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,957.18	717.21
		For Bronze Or Satin Anodized Finish, Add	152.28	
		For Black Anodized Finish, Add	304.55	
		For >10 To 20, Deduct	-96.77	
		For >20 To 40, Deduct	-178.31	
		For >40, Deduct	-371.86	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,130.89	735.60
		For Bronze Or Satin Anodized Finish, Add		165.97	
		For Black Anodized Finish, Add		331.94	
		For >10 To 20, Deduct		-103.17	
		For >20 To 40, Deduct		-189.74	
		For >40, Deduct		-396.07	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	2,878.91	625.26
		For Bronze Or Satin Anodized Finish, Add		162.84	
		For Black Anodized Finish, Add		325.68	
		For >10 To 20, Deduct		-96.40	
		For >20 To 40, Deduct		-176.51	
		For >40, Deduct		-369.31	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,098.19	662.04
		For Bronze Or Satin Anodized Finish, Add		177.41	
		For Black Anodized Finish, Add		354.62	
		For >10 To 20, Deduct		-104.07	
		For >20 To 40, Deduct		-190.39	
		For >40, Deduct		-398.52	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,249.40	680.43
		For Bronze Or Satin Anodized Finish, Add		188.85	
		For Black Anodized Finish, Add		377.71	
		For >10 To 20, Deduct		-109.56	
		For >20 To 40, Deduct		-200.24	
		For >40, Deduct		-419.37	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,366.37	698.82
		For Bronze Or Satin Anodized Finish, Add		196.87	
		For Black Anodized Finish, Add		393.75	
		For >10 To 20, Deduct		-113.69	
		For >20 To 40, Deduct		-207.69	
		For >40, Deduct		-435.07	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,435.43	717.21
		For Bronze Or Satin Anodized Finish, Add		200.10	
		For Black Anodized Finish, Add		400.20	
		For >10 To 20, Deduct		-115.90	
		For >20 To 40, Deduct		-211.79	
		For >40, Deduct		-443.59	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,625.77	735.60
		For Bronze Or Satin Anodized Finish, Add		215.46	
		For Black Anodized Finish, Add		430.91	
		For >10 To 20, Deduct		-122.96	
		For >20 To 40, Deduct		-224.38	
		For >40, Deduct		-470.31	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	2,744.92	625.26
		For Bronze Or Satin Anodized Finish, Add		149.44	
		For Black Anodized Finish, Add		298.88	
		For >10 To 20, Deduct		-91.04	
		For >20 To 40, Deduct		-167.13	
		For >40, Deduct		-349.21	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	2,946.60	662.04
		For Bronze Or Satin Anodized Finish, Add		162.25	
		For Black Anodized Finish, Add		324.50	
		For >10 To 20, Deduct		-98.00	
		For >20 To 40, Deduct		-179.78	
		For >40, Deduct		-375.79	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,027.39	680.43
		For Bronze Or Satin Anodized Finish, Add		166.65	
		For Black Anodized Finish, Add		333.31	
		For >10 To 20, Deduct		-100.68	
		For >20 To 40, Deduct		-184.70	
		For >40, Deduct		-386.07	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,220.65	698.82
		For Bronze Or Satin Anodized Finish, Add		182.30	
		For Black Anodized Finish, Add		364.60	
		For >10 To 20, Deduct		-107.86	
		For >20 To 40, Deduct		-197.49	
		For >40, Deduct		-413.22	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,320.02	717.21
		For Bronze Or Satin Anodized Finish, Add		188.56	
		For Black Anodized Finish, Add		377.12	
		For >10 To 20, Deduct		-111.28	
		For >20 To 40, Deduct		-203.71	
		For >40, Deduct		-426.28	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,511.34	735.60
		For Bronze Or Satin Anodized Finish, Add		204.01	
		For Black Anodized Finish, Add		408.03	
		For >10 To 20, Deduct		-118.39	
		For >20 To 40, Deduct		-216.37	
		For >40, Deduct		-453.14	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,357.15	625.26
		For Bronze Or Satin Anodized Finish, Add		210.66	
		For Black Anodized Finish, Add		421.33	
		For >10 To 20, Deduct		-115.53	
		For >20 To 40, Deduct		-209.99	
		For >40, Deduct		-441.05	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0419 EA 30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,550.03 222.60 445.19 -122.14 -222.02 -466.30	662.04
26 56 13 00-0420 EA 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,703.19 234.23 468.47 -127.71 -232.01 -487.44	680.43
26 56 13 00-0421 EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,935.58 253.79 507.59 -136.46 -247.54 -520.46	698.82
26 56 13 00-0422 EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,993.87 255.95 511.89 -138.24 -250.88 -527.36	717.21
26 56 13 00-0423 EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,225.29 275.41 550.82 -146.94 -266.35 -560.23	735.60
26 56 13 00-0424 EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,413.69 320.69 641.38 -183.45 -334.82 -701.71	1,103.40
26 56 13 00-0425 EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	5,534.97 332.82 665.63 -188.30 -343.31 -719.91	1,103.40
26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0354)		
26 56 13 00-0427 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	928.41 73.06 -30.52 -56.16 -117.19	220.68
26 56 13 00-0428 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,022.51 76.14 -33.18 -61.28 -127.63	257.46
26 56 13 00-0429 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,117.58 79.37 -35.88 -66.46 -138.21	294.24
26 56 13 00-0430 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,214.62 82.89 -38.65 -71.78 -149.09	331.02
26 56 13 00-0431 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,310.67 86.26 -41.39 -77.03 -159.82	367.80
26 56 13 00-0432 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,034.24 77.90 -33.65 -62.10 -129.39	257.46
26 56 13 00-0433 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,131.28 81.42 -36.42 -67.42 -140.27	294.24
26 56 13 00-0434 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,230.26 85.23 -39.28 -72.88 -151.44	331.02



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0435 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,328.27 88.90 -42.10 -78.27 -162.46	367.80
26 56 13 00-0436 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,439.00 94.48 -45.42 -84.55 -175.39	404.58
26 56 13 00-0437 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,540.92 98.73 -48.40 -90.21 -187.00	441.36
26 56 13 00-0438 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,169.42 87.14 -37.95 -70.09 -145.99	294.24
26 56 13 00-0439 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,273.30 91.69 -41.00 -75.89 -157.89	331.02
26 56 13 00-0440 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,388.91 98.00 -44.52 -82.51 -171.56	367.80
26 56 13 00-0441 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,494.74 102.84 -47.65 -88.45 -183.75	404.58
26 56 13 00-0442 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,613.29 109.59 -51.29 -95.28 -197.86	441.36
26 56 13 00-0443 EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,444.66 106.36 -46.75 -86.41 -179.92	367.80
26 56 13 00-0444 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,570.05 114.13 -50.66 -93.72 -195.05	404.58
26 56 13 00-0445 EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,673.93 118.68 -53.72 -99.52 -206.95	441.36
26 56 13 00-0446 EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,199.74 91.69 -39.16 -72.21 -150.54	294.24
26 56 13 00-0447 EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,319.26 98.58 -42.84 -79.11 -164.79	331.02
26 56 13 00-0448 EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,444.66 106.36 -46.75 -86.41 -179.92	367.80
26 56 13 00-0449 EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,558.32 112.37 -50.20 -92.90 -193.29	404.58
26 56 13 00-0450 EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,678.82 119.42 -53.91 -99.86 -207.69	441.36
26 56 13 00-0451 EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,508.23 115.89 -49.30 -90.86 -189.45	367.80

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0452 EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,641.45 124.84 -53.52 -98.72 -205.76	404.58
26 56 13 00-0453 EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,750.21 130.12 -56.77 -104.86 -218.40	441.36
26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354) Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0455 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	657.29 28.95 57.90 -20.77 -38.65 -80.20	183.90
26 56 13 00-0456 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	684.68 31.69 63.38 -21.87 -40.57 -84.31	183.90
26 56 13 00-0457 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	743.95 33.94 67.87 -23.69 -43.98 -91.36	202.29
26 56 13 00-0458 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	796.38 35.50 71.00 -25.23 -46.92 -97.39	220.68
26 56 13 00-0459 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	831.59 39.02 78.05 -26.64 -49.38 -102.67	220.68
26 56 13 00-0460 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	770.36 36.58 73.16 -24.75 -45.83 -95.33	202.29
26 56 13 00-0461 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	834.52 39.32 78.63 -26.76 -49.59 -103.11	220.68
26 56 13 00-0462 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	854.08 41.27 82.54 -27.54 -50.96 -106.04	220.68
26 56 13 00-0463 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	922.16 44.40 88.80 -29.71 -54.99 -114.42	239.07
26 56 13 00-0464 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	986.32 47.14 94.28 -31.73 -58.74 -122.20	257.46
26 56 13 00-0465 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	910.80 46.94 93.89 -29.81 -54.93 -114.55	220.68
26 56 13 00-0466 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	984.75 50.66 101.32 -32.22 -59.37 -123.81	239.07



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0467	EA	20'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,053.80 53.89 107.78 -34.43 -63.47 -132.32	257.46
26 56 13 00-0468	EA	18'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,064.95 58.68 117.36 -35.43 -64.98 -135.84	239.07
26 56 13 00-0469	EA	25'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,358.17 76.97 153.94 -45.50 -83.30 -174.30	294.24
26 56 13 00-0470	EA	25'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,468.69 88.02 176.04 -49.92 -91.04 -190.88	294.24
26 56 13 00-0471	EA	30'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,637.12 97.51 195.02 -55.55 -101.36 -212.47	331.02
26 56 13 00-0472	EA	30'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,757.41 109.54 219.07 -60.37 -109.78 -230.51	331.02
26 56 13 00-0473	Square Straight, Aluminum Area Light Poles (26 56 13 00-0294)				
26 56 13 00-0474	Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0473)				
26 56 13 00-0475	EA	8'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	845.28 40.39 80.78 -27.19 -50.34 -104.72	220.68
26 56 13 00-0476	EA	10'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	939.38 42.45 84.89 -29.85 -55.46 -115.16	257.46
26 56 13 00-0477	EA	12'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,041.30 45.28 90.56 -32.82 -61.12 -126.77	294.24
26 56 13 00-0478	EA	14'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,142.24 48.02 96.04 -35.76 -66.72 -138.23	331.02
26 56 13 00-0479	EA	15'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,196.63 49.78 99.56 -37.38 -69.79 -144.55	349.41
26 56 13 00-0480	EA	16'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,251.01 51.54 103.08 -39.01 -72.86 -150.87	367.80
26 56 13 00-0481	EA	18'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,357.82 54.87 109.73 -42.18 -78.86 -163.22	404.58

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	1,473.44	441.36
		For Bronze Or Satin Anodized Finish, Add	.....	59.07	
		For Black Anodized Finish, Add	.....	118.14	
		For >10 To 20, Deduct	.....	-45.70	
		For >20 To 40, Deduct	.....	-85.49	
		For >40, Deduct	.....	-176.88	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	1,318.49	367.80
		For Bronze Or Satin Anodized Finish, Add	.....	58.29	
		For Black Anodized Finish, Add	.....	116.58	
		For >10 To 20, Deduct	.....	-41.71	
		For >20 To 40, Deduct	.....	-77.58	
		For >40, Deduct	.....	-160.99	
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	1,427.26	404.58
		For Bronze Or Satin Anodized Finish, Add	.....	61.81	
		For Black Anodized Finish, Add	.....	123.62	
		For >10 To 20, Deduct	.....	-44.95	
		For >20 To 40, Deduct	.....	-83.73	
		For >40, Deduct	.....	-173.63	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	1,548.74	441.36
		For Bronze Or Satin Anodized Finish, Add	.....	66.60	
		For Black Anodized Finish, Add	.....	133.20	
		For >10 To 20, Deduct	.....	-48.71	
		For >20 To 40, Deduct	.....	-90.76	
		For >40, Deduct	.....	-188.18	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	1,490.03	349.41
		For Bronze Or Satin Anodized Finish, Add	.....	79.12	
		For Black Anodized Finish, Add	.....	158.24	
		For >10 To 20, Deduct	.....	-49.12	
		For >20 To 40, Deduct	.....	-90.33	
		For >40, Deduct	.....	-188.56	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	1,829.43	441.36
		For Bronze Or Satin Anodized Finish, Add	.....	94.67	
		For Black Anodized Finish, Add	.....	189.34	
		For >10 To 20, Deduct	.....	-59.94	
		For >20 To 40, Deduct	.....	-110.41	
		For >40, Deduct	.....	-230.28	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	2,245.92	588.48
		For Bronze Or Satin Anodized Finish, Add	.....	106.90	
		For Black Anodized Finish, Add	.....	213.79	
		For >10 To 20, Deduct	.....	-72.18	
		For >20 To 40, Deduct	.....	-133.68	
		For >40, Deduct	.....	-278.04	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	1,609.38	441.36
		For Bronze Or Satin Anodized Finish, Add	.....	72.67	
		For Black Anodized Finish, Add	.....	145.33	
		For >10 To 20, Deduct	.....	-51.13	
		For >20 To 40, Deduct	.....	-95.00	
		For >40, Deduct	.....	-197.27	
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	1,947.77	441.36
		For Bronze Or Satin Anodized Finish, Add	.....	106.51	
		For Black Anodized Finish, Add	.....	213.01	
		For >10 To 20, Deduct	.....	-64.67	
		For >20 To 40, Deduct	.....	-118.69	
		For >40, Deduct	.....	-248.03	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	2,353.51	588.48
		For Bronze Or Satin Anodized Finish, Add	.....	117.66	
		For Black Anodized Finish, Add	.....	235.31	
		For >10 To 20, Deduct	.....	-76.49	
		For >20 To 40, Deduct	.....	-141.21	
		For >40, Deduct	.....	-294.18	
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	2,133.59	441.36
		For Bronze Or Satin Anodized Finish, Add	.....	125.09	
		For Black Anodized Finish, Add	.....	250.17	
		For >10 To 20, Deduct	.....	-72.10	
		For >20 To 40, Deduct	.....	-131.70	
		For >40, Deduct	.....	-275.90	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	2,596.05	588.48
		For Bronze Or Satin Anodized Finish, Add	.....	141.91	
		For Black Anodized Finish, Add	.....	283.82	
		For >10 To 20, Deduct	.....	-86.19	
		For >20 To 40, Deduct	.....	-158.18	
		For >40, Deduct	.....	-330.56	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	.....	2,995.50	662.04
		For Bronze Or Satin Anodized Finish, Add	.....	167.14	
		For Black Anodized Finish, Add	.....	334.28	
		For >10 To 20, Deduct	.....	-99.96	
		For >20 To 40, Deduct	.....	-183.20	
		For >40, Deduct	.....	-383.12	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0473)

Note: Includes rubberized undercoating on embedded portion.



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	753.14	183.90
		For Bronze Or Satin Anodized Finish, Add	38.53	
		For Black Anodized Finish, Add	77.07	
		For >10 To 20, Deduct	-24.61	
		For >20 To 40, Deduct	-45.36	
		For >40, Deduct	-94.58	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	839.79	202.29
		For Bronze Or Satin Anodized Finish, Add	43.52	
		For Black Anodized Finish, Add	87.04	
		For >10 To 20, Deduct	-27.52	
		For >20 To 40, Deduct	-50.69	
		For >40, Deduct	-105.74	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	897.11	220.68
		For Bronze Or Satin Anodized Finish, Add	45.58	
		For Black Anodized Finish, Add	91.15	
		For >10 To 20, Deduct	-29.26	
		For >20 To 40, Deduct	-53.97	
		For >40, Deduct	-112.50	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	921.56	220.68
		For Bronze Or Satin Anodized Finish, Add	48.02	
		For Black Anodized Finish, Add	96.04	
		For >10 To 20, Deduct	-30.24	
		For >20 To 40, Deduct	-55.68	
		For >40, Deduct	-116.17	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	951.88	220.68
		For Bronze Or Satin Anodized Finish, Add	51.05	
		For Black Anodized Finish, Add	102.10	
		For >10 To 20, Deduct	-31.45	
		For >20 To 40, Deduct	-57.80	
		For >40, Deduct	-120.71	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,092.33	239.07
		For Bronze Or Satin Anodized Finish, Add	61.42	
		For Black Anodized Finish, Add	122.84	
		For >10 To 20, Deduct	-36.52	
		For >20 To 40, Deduct	-66.90	
		For >40, Deduct	-139.94	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,171.16	257.46
		For Bronze Or Satin Anodized Finish, Add	65.62	
		For Black Anodized Finish, Add	131.25	
		For >10 To 20, Deduct	-39.12	
		For >20 To 40, Deduct	-71.68	
		For >40, Deduct	-149.93	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,324.71	257.46
		For Bronze Or Satin Anodized Finish, Add	80.98	
		For Black Anodized Finish, Add	161.96	
		For >10 To 20, Deduct	-45.26	
		For >20 To 40, Deduct	-82.43	
		For >40, Deduct	-172.96	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,521.50	294.24
		For Bronze Or Satin Anodized Finish, Add	93.30	
		For Black Anodized Finish, Add	186.60	
		For >10 To 20, Deduct	-52.03	
		For >20 To 40, Deduct	-94.74	
		For >40, Deduct	-198.80	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,864.78	294.24
		For Bronze Or Satin Anodized Finish, Add	127.63	
		For Black Anodized Finish, Add	255.26	
		For >10 To 20, Deduct	-65.76	
		For >20 To 40, Deduct	-118.77	
		For >40, Deduct	-250.29	
26 56 13 00-0506		Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0507	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	84.58	
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	36.45	
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	127.96	
26 56 13 00-0510		Fiberglass Area Light Poles (26 56 13 00-0177)		
		Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511		Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0512		Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0511)		
26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,295.87	257.46
		For >10 To 20, Deduct	-44.11	
		For >20 To 40, Deduct	-80.41	
		For >40, Deduct	-168.63	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,415.91	294.24
		For >10 To 20, Deduct	-47.81	
		For >20 To 40, Deduct	-87.34	
		For >40, Deduct	-182.96	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,537.28	331.02
		For >10 To 20, Deduct	-51.56	
		For >20 To 40, Deduct	-94.37	
		For >40, Deduct	-197.49	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,657.33	367.80
		For >10 To 20, Deduct	-55.26	
		For >20 To 40, Deduct	-101.30	
		For >40, Deduct	-211.82	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,801.28	404.58
		For >10 To 20, Deduct	-59.91	
		For >20 To 40, Deduct	-109.91	
		For >40, Deduct	-229.73	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,923.98	441.36
		For >10 To 20, Deduct	-63.72	
		For >20 To 40, Deduct	-117.02	
		For >40, Deduct	-244.46	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,118.91	514.92
		For >10 To 20, Deduct	-69.31	
		For >20 To 40, Deduct	-127.73	
		For >40, Deduct	-266.34	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,312.52	588.48
		For >10 To 20, Deduct	-74.85	
		For >20 To 40, Deduct	-138.34	
		For >40, Deduct	-288.03	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,420.10	588.48
		For >10 To 20, Deduct	-79.15	
		For >20 To 40, Deduct	-145.87	
		For >40, Deduct	-304.17	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,587.96	625.26
		For >10 To 20, Deduct	-84.76	
		For >20 To 40, Deduct	-156.15	
		For >40, Deduct	-325.67	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,755.81	662.04
		For >10 To 20, Deduct	-90.37	
		For >20 To 40, Deduct	-166.43	
		For >40, Deduct	-347.17	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,418.06	257.46
		For >10 To 20, Deduct	-49.00	
		For >20 To 40, Deduct	-88.97	
		For >40, Deduct	-186.96	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,514.19	294.24
		For >10 To 20, Deduct	-51.74	
		For >20 To 40, Deduct	-94.22	
		For >40, Deduct	-197.70	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,611.66	331.02
		For >10 To 20, Deduct	-54.54	
		For >20 To 40, Deduct	-99.58	
		For >40, Deduct	-208.65	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,711.78	367.80
		For >10 To 20, Deduct	-57.44	
		For >20 To 40, Deduct	-105.11	
		For >40, Deduct	-219.99	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,818.55	404.58
		For >10 To 20, Deduct	-60.60	
		For >20 To 40, Deduct	-111.12	
		For >40, Deduct	-232.32	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,923.98	441.36
		For >10 To 20, Deduct	-63.72	
		For >20 To 40, Deduct	-117.02	
		For >40, Deduct	-244.46	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,102.98	514.92
		For >10 To 20, Deduct	-68.67	
		For >20 To 40, Deduct	-126.61	
		For >40, Deduct	-263.96	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,312.52	588.48
		For >10 To 20, Deduct	-74.85	
		For >20 To 40, Deduct	-138.34	
		For >40, Deduct	-288.03	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,357.68	588.48
		For >10 To 20, Deduct	-76.65	
		For >20 To 40, Deduct	-141.50	
		For >40, Deduct	-294.80	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,477.72	625.26
		For >10 To 20, Deduct	-80.35	
		For >20 To 40, Deduct	-148.43	
		For >40, Deduct	-309.13	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,597.77	662.04
		For >10 To 20, Deduct	-84.05	
		For >20 To 40, Deduct	-155.36	
		For >40, Deduct	-323.46	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,597.35	257.46
		For >10 To 20, Deduct	-56.17	
		For >20 To 40, Deduct	-101.52	
		For >40, Deduct	-213.86	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0536 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,712.09 -59.66 -108.08 -227.39	294.24
26 56 13 00-0537 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,826.82 -63.14 -114.64 -240.92	331.02
26 56 13 00-0538 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,942.88 -66.68 -121.29 -254.65	367.80
26 56 13 00-0539 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,064.25 -70.43 -128.31 -269.18	404.58
26 56 13 00-0540 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,193.59 -74.50 -135.90 -284.90	441.36
26 56 13 00-0541 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,408.45 -80.89 -147.99 -309.78	514.92
26 56 13 00-0542 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,624.63 -87.33 -160.18 -334.85	588.48
26 56 13 00-0543 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,693.70 -90.09 -165.02 -345.21	588.48
26 56 13 00-0544 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,876.16 -96.29 -176.32 -368.90	625.26
26 56 13 00-0545 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,028.08 -101.26 -185.48 -388.01	662.04
26 56 13 00-0546 EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,143.22 -105.32 -192.81 -403.44	680.43
26 56 13 00-0547 EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,258.36 -109.37 -200.13 -418.87	698.82
26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)		
26 56 13 00-0549 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	814.06 -27.05 -49.63 -103.72	183.90
26 56 13 00-0550 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	876.07 -28.97 -53.23 -111.18	202.29
26 56 13 00-0551 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	936.76 -30.85 -56.75 -118.45	220.68
26 56 13 00-0552 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	959.33 -31.75 -58.33 -121.83	220.68
26 56 13 00-0553 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,033.30 -34.16 -62.77 -131.09	239.07
26 56 13 00-0554 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,096.65 -36.14 -66.47 -138.75	257.46
26 56 13 00-0555 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,163.97 -38.28 -70.44 -147.01	275.85
26 56 13 00-0556 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,237.94 -40.69 -74.89 -156.27	294.24

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,365.44	294.24
		For >10 To 20, Deduct	-45.79	
		For >20 To 40, Deduct	-83.81	
		For >40, Deduct	-175.39	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,529.72	312.63
		For >10 To 20, Deduct	-51.81	
		For >20 To 40, Deduct	-94.58	
		For >40, Deduct	-198.20	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,694.00	331.02
		For >10 To 20, Deduct	-57.83	
		For >20 To 40, Deduct	-105.34	
		For >40, Deduct	-221.00	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	936.24	183.90
		For >10 To 20, Deduct	-31.93	
		For >20 To 40, Deduct	-58.18	
		For >40, Deduct	-122.05	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,004.90	202.29
		For >10 To 20, Deduct	-34.13	
		For >20 To 40, Deduct	-62.25	
		For >40, Deduct	-130.51	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,073.55	220.68
		For >10 To 20, Deduct	-36.32	
		For >20 To 40, Deduct	-66.32	
		For >40, Deduct	-138.96	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,106.76	220.68
		For >10 To 20, Deduct	-37.65	
		For >20 To 40, Deduct	-68.65	
		For >40, Deduct	-143.95	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,175.41	239.07
		For >10 To 20, Deduct	-39.84	
		For >20 To 40, Deduct	-72.72	
		For >40, Deduct	-152.40	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,244.07	257.46
		For >10 To 20, Deduct	-42.04	
		For >20 To 40, Deduct	-76.79	
		For >40, Deduct	-160.86	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,312.72	275.85
		For >10 To 20, Deduct	-44.23	
		For >20 To 40, Deduct	-80.86	
		For >40, Deduct	-169.32	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,411.93	294.24
		For >10 To 20, Deduct	-47.65	
		For >20 To 40, Deduct	-87.07	
		For >40, Deduct	-182.37	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,535.44	294.24
		For >10 To 20, Deduct	-52.59	
		For >20 To 40, Deduct	-95.71	
		For >40, Deduct	-200.89	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,697.07	312.63
		For >10 To 20, Deduct	-58.50	
		For >20 To 40, Deduct	-106.29	
		For >40, Deduct	-223.30	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,857.37	331.02
		For >10 To 20, Deduct	-64.36	
		For >20 To 40, Deduct	-116.78	
		For >40, Deduct	-245.50	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,043.82	183.90
		For >10 To 20, Deduct	-36.24	
		For >20 To 40, Deduct	-65.71	
		For >40, Deduct	-138.18	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,104.51	202.29
		For >10 To 20, Deduct	-38.11	
		For >20 To 40, Deduct	-69.22	
		For >40, Deduct	-145.45	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,163.87	220.68
		For >10 To 20, Deduct	-39.93	
		For >20 To 40, Deduct	-72.64	
		For >40, Deduct	-152.51	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,186.45	220.68
		For >10 To 20, Deduct	-40.84	
		For >20 To 40, Deduct	-74.22	
		For >40, Deduct	-155.90	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,245.80	239.07
		For >10 To 20, Deduct	-42.66	
		For >20 To 40, Deduct	-77.64	
		For >40, Deduct	-162.96	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,306.49	257.46
		For >10 To 20, Deduct	-44.54	
		For >20 To 40, Deduct	-81.16	
		For >40, Deduct	-170.23	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,412.33	275.85
		For >10 To 20, Deduct	-48.22	
		For >20 To 40, Deduct	-87.83	
		For >40, Deduct	-184.26	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0578 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,534.12 -52.54 -95.62 -200.69	294.24
26 56 13 00-0579 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,611.15 -55.62 -101.01 -212.25	294.24
26 56 13 00-0580 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,726.29 -59.67 -108.34 -227.68	312.63
26 56 13 00-0581 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,841.43 -63.73 -115.66 -243.11	331.02
26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0583 EA Open Or Capped Top For Fiberglass Area Light Poles	47.09	
26 56 13 00-0584 EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	47.09	
26 56 13 00-0585 EA Smooth Shaft Finish For Fiberglass Area Light Poles	89.35	
26 56 13 00-0586 EA Vibration Dampener For Fiberglass Area Light Poles	118.33	
26 56 13 00-0587 Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)		
26 56 13 00-0589 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,444.53	625.26
26 56 13 00-0590 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,577.79	662.04
26 56 13 00-0591 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,672.89	680.43
26 56 13 00-0592 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,298.06	698.82
26 56 13 00-0593 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,656.68	735.60
26 56 13 00-0594 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,533.86	956.28
26 56 13 00-0595 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,436.96	1,176.96
26 56 13 00-0596 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,181.62	625.26
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,969.94	662.04
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	733.00	220.68
26 56 13 00-0599 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	3,103.24	441.21
26 56 13 00-0600 EA Pole Base Cover For All Octagon Poles	284.05	90.03
26 56 13 00-0601 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	582.70	180.08
26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
Note: Round or square.		
26 56 13 00-0603 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,560.84	294.24
26 56 13 00-0604 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,899.79	367.80
26 56 13 00-0605 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,208.10	441.36
26 56 13 00-0606 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,478.19	662.04
26 56 13 00-0607 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,152.89	698.82
26 56 13 00-0608 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,881.92	735.60
26 56 13 00-0609 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	6,836.39	956.28
26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
26 56 13 00-0611 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	19,296.28	1,655.10
26 56 13 00-0612 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	23,033.38	2,055.61
26 56 13 00-0613 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	27,336.69	2,776.88
26 56 13 00-0614 Treated Wood Area Light Poles (26 56 13 00-0177)		
See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615 Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615)		
Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,300.53	183.90
26 56 13 00-0618 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,381.20	211.85
26 56 13 00-0619 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,492.89	220.68
26 56 13 00-0620 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,826.84	257.46
26 56 13 00-0621 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,122.24	279.53
26 56 13 00-0622 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,431.34	301.60
26 56 13 00-0623 Landscape Light Poles (26 56 13 00-0001)		
Note: Excludes lighting fixtures.		
26 56 13 00-0624 Aluminum Landscape Light Poles (26 56 13 00-0623)		
Note: Includes painted finish.		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0625		Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)		
26 56 13 00-0626		Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)		
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	528.39	220.68
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	863.93	294.24
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0625)		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	487.43	220.68
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	822.97	294.24
26 56 13 00-0632		Steel Landscape Light Poles (26 56 13 00-0623)		
		Note: Includes painted finish.		
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles (26 56 13 00-0632)		
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0633)		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	585.77	220.68
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0633)		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	553.42	220.68
26 56 13 00-0638		Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0639		Light Pole Brackets (26 56 13 00-0638)		
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
		Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	667.37	44.14
		For Galvanized Finish, Add	57.91	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	842.09	44.14
		For Galvanized Finish, Add	75.38	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	895.42	44.14
		For Galvanized Finish, Add	80.72	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	1,224.63	44.14
		For Galvanized Finish, Add	113.64	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	1,275.90	44.14
		For Galvanized Finish, Add	118.76	
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	247.69	44.14
		For Bronze Or Satin Anodized Finish, Add	15.94	
		For Black Anodized Finish, Add	31.88	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	298.54	44.14
		For Bronze Or Satin Anodized Finish, Add	21.03	
		For Black Anodized Finish, Add	42.05	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	312.23	44.14
		For Bronze Or Satin Anodized Finish, Add	22.40	
		For Black Anodized Finish, Add	44.79	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	360.16	44.14
		For Bronze Or Satin Anodized Finish, Add	27.19	
		For Black Anodized Finish, Add	54.38	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	369.94	44.14
		For Bronze Or Satin Anodized Finish, Add	28.17	
		For Black Anodized Finish, Add	56.33	
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654)		
		Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	717.26	44.14
		For Galvanized Finish, Add	62.90	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	884.62	44.14
		For Galvanized Finish, Add	79.64	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	1,081.18	44.14
		For Galvanized Finish, Add	99.29	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	1,278.65	44.14
		For Galvanized Finish, Add	119.04	
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660)		
		Note: Includes powdercoat finish.		



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	682.77	73.56	
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,025.31	73.56	
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,430.61	73.56	
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,563.95	73.56	
26 56 13 00-0666		Light Pole Arms (26 56 13 00-0638)			
26 56 13 00-0667		Wood Pole Streetlight Arms (26 56 13 00-0666)			
26 56 13 00-0668		Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)			
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	399.55	66.20	
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	423.22	73.56	
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	491.50	91.95	
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	587.36	73.56	
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	655.18	91.95	
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	795.18	110.34	
26 56 13 00-0675		Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)			
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	256.63	73.56	
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	312.80	73.56	
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	416.31	91.95	
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	543.09	110.34	
26 56 13 00-0680		Area Light Arms (26 56 13 00-0666)			
26 56 13 00-0681		Steel Area Light Arms (26 56 13 00-0680)			
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	757.85	73.56	
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,185.29	80.92	
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,316.91	88.27	
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,563.02	95.63	
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	904.38	91.95	
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,288.87	99.30	
26 56 13 00-0688		Aluminum Area Light Arms (26 56 13 00-0680)			
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	306.54	73.56	
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	378.52	91.95	
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	452.47	110.34	
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	304.58	73.56	
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	424.91	80.92	
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	374.61	91.95	
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	518.42	99.30	
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	454.42	110.34	
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	628.55	117.69	
26 56 13 00-0698		Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)			
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,427.72		
26 56 13 00-0700		High Mast Lighting (26 56 13 00-0001)			
26 56 13 00-0701		High Mast Lighting Assemblies (26 56 13 00-0700)			
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.					
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	59,004.24	2,281.79	
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	62,326.53	2,389.84	
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	65,686.79	2,545.93	
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	69,083.01	2,750.04	
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	72,499.18	3,002.09	
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	76,895.40	3,302.53	
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	80,447.94	3,602.72	
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	83,729.26	3,902.91	
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	87,281.79	4,203.24	
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	91,601.72	4,503.44	
26 56 13 00-0712		High Mast Light Poles (26 56 13 00-0700)			
26 56 13 00-0713	EA	60' High Mast Light Poles	22,452.14	1,370.40	
26 56 13 00-0714	EA	70' High Mast Light Poles	25,741.97	1,435.32	
26 56 13 00-0715	EA	80' High Mast Light Poles	29,055.34	1,529.08	
26 56 13 00-0716	EA	90' High Mast Light Poles	32,390.25	1,651.70	
26 56 13 00-0717	EA	100' High Mast Light Poles	35,748.73	1,803.16	
26 56 13 00-0718	EA	110' High Mast Light Poles	39,130.75	1,983.48	
26 56 13 00-0719	EA	120' High Mast Light Poles	41,689.11	2,163.80	
26 56 13 00-0720	EA	130' High Mast Light Poles	41,630.16	4,010.23	
26 56 13 00-0721	EA	140' High Mast Light Poles	46,532.64	2,524.43	

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0722	EA	150' High Mast Light Poles		49,364.23	2,704.75
26 56 13 00-0723		High Mast Lighting Accessories (26 56 13 00-0700)			
		See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.			
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting		1,039.74	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting		2,940.24	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting		2,226.77	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting		936.76	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting.....		1,746.59	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting		19,003.09	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting		19,115.30	
26 56 13 00-0731		Concrete Bases (26 56 13 00-0001)			
26 56 13 00-0732		Concrete Bases, Cast In Place (26 56 13 00-0731)			
		Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.			
26 56 13 00-0733	EA	Minimum Charge For Cast In Place Concrete Base For Poles		565.26	
		Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles		64.76	
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles.....		92.12	
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles		125.44	
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles.....		165.86	
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles		223.17	
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles.....		281.63	
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles.....		410.47	
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles.....		565.81	
26 56 18		Incandescent Exterior Lighting (26 56)			
26 56 18 00-0001		Exterior Globe (26 56 18)			
26 56 18 00-0002		Incandescent, Exterior Globe (26 56 18 00-0001)			
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	64.24		24.55
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	96.20		24.55
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	74.20		24.55
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	100.03		24.55
26 56 18 00-0007		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 18)			
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.			
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	284.97		98.17
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	297.29		104.31
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	326.91		110.44
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	320.86		122.71
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	360.99		141.11
26 56 19		LED Exterior Lighting (26 56)			
26 56 19 00-0001		LED, Roadway Lighting (26 56 19)			
26 56 19 00-0002		LED Roadway Lighting (Philips Lumec) (26 56 19 00-0001)			
26 56 19 00-0003		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0002)			
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.			
26 56 19 00-0004	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series).....	1,508.93		178.02
		For >50 To 100, Deduct	-75.45		
		For >100 To 250, Deduct	-113.17		
		For >250 To 500, Deduct	-179.72		
		For >500 To 1,000, Deduct	-246.26		
		For >1,000, Deduct	-312.81		
26 56 19 00-0005	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,332.77		182.83
		For >50 To 100, Deduct	-116.64		
		For >100 To 250, Deduct	-174.96		
		For >250 To 500, Deduct	-282.45		
		For >500 To 1,000, Deduct	-389.95		
		For >1,000, Deduct	-497.45		
26 56 19 00-0006		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) (26 56 19 00-0002)			
		Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.			



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0007	EA		48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series).....	1,219.16	178.02
			For >50 To 100, Deduct	-60.96	
			For >100 To 250, Deduct	-91.44	
			For >250 To 500, Deduct	-143.49	
			For >500 To 1,000, Deduct	-195.55	
			For >1,000, Deduct	-247.61	
26 56 19 00-0008	EA		48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,305.47	178.02
			For >50 To 100, Deduct	-65.27	
			For >100 To 250, Deduct	-97.91	
			For >250 To 500, Deduct	-154.28	
			For >500 To 1,000, Deduct	-210.66	
			For >1,000, Deduct	-267.03	
26 56 19 00-0009	EA		48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,391.78	178.02
			For >50 To 100, Deduct	-69.59	
			For >100 To 250, Deduct	-104.38	
			For >250 To 500, Deduct	-165.07	
			For >500 To 1,000, Deduct	-225.76	
			For >1,000, Deduct	-286.45	
26 56 19 00-0010			LED Roadway Lighting (Lithonia) (26 56 19 00-0001)		
26 56 19 00-0011			Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0010)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0012	EA		30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,439.25	168.39
			For >50 To 100, Deduct	-121.96	
			For >100 To 250, Deduct	-182.94	
			For >250 To 500, Deduct	-296.49	
			For >500 To 1,000, Deduct	-410.03	
			For >1,000, Deduct	-523.57	
26 56 19 00-0013	EA		60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	4,034.89	173.21
			For >50 To 100, Deduct	-201.74	
			For >100 To 250, Deduct	-302.62	
			For >250 To 500, Deduct	-495.70	
			For >500 To 1,000, Deduct	-688.79	
			For >1,000, Deduct	-881.87	
26 56 19 00-0014			LED Roadway Lighting (CREE® BetaLED®) (26 56 19 00-0001)		
26 56 19 00-0015			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) (26 56 19 00-0014)		
			Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0016	EA		20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	961.74	163.58
			For >50 To 100, Deduct	-48.09	
			For >100 To 250, Deduct	-72.13	
			For >250 To 500, Deduct	-112.04	
			For >500 To 1,000, Deduct	-151.95	
			For >1,000, Deduct	-191.85	
26 56 19 00-0017	EA		30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,078.98	168.39
			For >50 To 100, Deduct	-53.95	
			For >100 To 250, Deduct	-80.92	
			For >250 To 500, Deduct	-126.45	
			For >500 To 1,000, Deduct	-171.98	
			For >1,000, Deduct	-217.51	
26 56 19 00-0018	EA		40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,220.33	173.21
			For >50 To 100, Deduct	-61.02	
			For >100 To 250, Deduct	-91.52	
			For >250 To 500, Deduct	-143.88	
			For >500 To 1,000, Deduct	-196.24	
			For >1,000, Deduct	-248.59	
26 56 19 00-0019	EA		50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,339.43	178.02
			For >50 To 100, Deduct	-66.97	
			For >100 To 250, Deduct	-100.46	
			For >250 To 500, Deduct	-158.53	
			For >500 To 1,000, Deduct	-216.60	
			For >1,000, Deduct	-274.67	
26 56 19 00-0020	EA		60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,458.52	182.83
			For >50 To 100, Deduct	-72.93	
			For >100 To 250, Deduct	-109.39	
			For >250 To 500, Deduct	-173.17	
			For >500 To 1,000, Deduct	-236.96	
			For >1,000, Deduct	-300.74	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0021 EA 70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,740.90	187.64
For >50 To 100, Deduct	-87.05	
For >100 To 250, Deduct	-130.57	
For >250 To 500, Deduct	-208.23	
For >500 To 1,000, Deduct	-285.89	
For >1,000, Deduct	-363.56	
26 56 19 00-0022 EA 80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,860.00	192.45
For >50 To 100, Deduct	-93.00	
For >100 To 250, Deduct	-139.50	
For >250 To 500, Deduct	-222.88	
For >500 To 1,000, Deduct	-306.25	
For >1,000, Deduct	-389.63	
26 56 19 00-0023 EA 90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,977.23	197.27
For >50 To 100, Deduct	-98.86	
For >100 To 250, Deduct	-148.29	
For >250 To 500, Deduct	-237.29	
For >500 To 1,000, Deduct	-326.29	
For >1,000, Deduct	-415.29	
26 56 19 00-0024 EA 100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,205.80	202.08
For >50 To 100, Deduct	-110.29	
For >100 To 250, Deduct	-165.44	
For >250 To 500, Deduct	-265.62	
For >500 To 1,000, Deduct	-365.81	
For >1,000, Deduct	-465.99	
26 56 19 00-0025 EA 110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,324.89	206.89
For >50 To 100, Deduct	-116.24	
For >100 To 250, Deduct	-174.37	
For >250 To 500, Deduct	-280.27	
For >500 To 1,000, Deduct	-386.17	
For >1,000, Deduct	-492.07	
26 56 19 00-0026 EA 120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,443.99	211.70
For >50 To 100, Deduct	-122.20	
For >100 To 250, Deduct	-183.30	
For >250 To 500, Deduct	-294.91	
For >500 To 1,000, Deduct	-406.53	
For >1,000, Deduct	-518.14	
26 56 19 00-0027 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) (26 56 19 00-0014)		
Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0028 EA 40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,897.57	173.21
For Multi-Level Drive Currents, Add	259.76	
For >50 To 100, Deduct	-94.88	
For >100 To 250, Deduct	-142.32	
For >250 To 500, Deduct	-228.54	
For >500 To 1,000, Deduct	-314.75	
For >1,000, Deduct	-400.97	
26 56 19 00-0029 EA 60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,189.57	182.83
For Multi-Level Drive Currents, Add	259.76	
For >50 To 100, Deduct	-109.48	
For >100 To 250, Deduct	-164.22	
For >250 To 500, Deduct	-264.55	
For >500 To 1,000, Deduct	-364.89	
For >1,000, Deduct	-465.23	
26 56 19 00-0030 EA 80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,481.57	192.45
For Multi-Level Drive Currents, Add	259.76	
For >50 To 100, Deduct	-124.08	
For >100 To 250, Deduct	-186.12	
For >250 To 500, Deduct	-300.57	
For >500 To 1,000, Deduct	-415.03	
For >1,000, Deduct	-529.49	
26 56 19 00-0031 EA 100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,773.57	202.08
For Multi-Level Drive Currents, Add	259.76	
For >50 To 100, Deduct	-138.68	
For >100 To 250, Deduct	-208.02	
For >250 To 500, Deduct	-336.59	
For >500 To 1,000, Deduct	-465.17	
For >1,000, Deduct	-593.74	
26 56 19 00-0032 EA 120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,644.47	211.70
For Multi-Level Drive Currents, Add	259.76	
For >50 To 100, Deduct	-182.22	
For >100 To 250, Deduct	-273.34	
For >250 To 500, Deduct	-444.97	
For >500 To 1,000, Deduct	-616.61	
For >1,000, Deduct	-788.25	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0033	EA		140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,936.47	221.32
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-196.82	
			For >100 To 250, Deduct	-295.24	
			For >250 To 500, Deduct	-480.99	
			For >500 To 1,000, Deduct	-666.75	
			For >1,000, Deduct	-852.51	
26 56 19 00-0034	EA		160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,228.45	230.94
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-211.42	
			For >100 To 250, Deduct	-317.13	
			For >250 To 500, Deduct	-517.01	
			For >500 To 1,000, Deduct	-716.88	
			For >1,000, Deduct	-916.76	
26 56 19 00-0035			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) (26 56 19 00-0014)		
			Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0036	EA		4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	803.67	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Backlight Control Shield, Add	38.01	
			For Field Adjustable Output, Add	32.83	
			For Bird Spikes, Add	58.68	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Fuse, Add	65.65	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-40.18	
			For >100 To 250, Deduct	-60.28	
			For >250 To 500, Deduct	-91.80	
			For >500 To 1,000, Deduct	-123.32	
			For >1,000, Deduct	-154.85	
26 56 19 00-0037	EA		5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	803.67	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Backlight Control Shield, Add	38.01	
			For Field Adjustable Output, Add	32.83	
			For Bird Spikes, Add	58.68	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Fuse, Add	65.65	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-40.18	
			For >100 To 250, Deduct	-60.28	
			For >250 To 500, Deduct	-91.80	
			For >500 To 1,000, Deduct	-123.32	
			For >1,000, Deduct	-154.85	
26 56 19 00-0038	EA		8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	886.38	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Backlight Control Shield, Add	38.01	
			For Field Adjustable Output, Add	32.83	
			For Bird Spikes, Add	58.68	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 480 Volt, Add	98.48	
			For >50 To 100, Deduct	-44.32	
			For >100 To 250, Deduct	-66.48	
			For >250 To 500, Deduct	-102.14	
			For >500 To 1,000, Deduct	-137.80	
			For >1,000, Deduct	-173.45	
26 56 19 00-0039	EA		8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	886.38	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Backlight Control Shield, Add	38.01	
			For Field Adjustable Output, Add	32.83	
			For Bird Spikes, Add	58.68	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 480 Volt, Add	98.48	
			For >50 To 100, Deduct	-44.32	
			For >100 To 250, Deduct	-66.48	
			For >250 To 500, Deduct	-102.14	
			For >500 To 1,000, Deduct	-137.80	
			For >1,000, Deduct	-173.45	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0040	EA		9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	1,033.43	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	54.08	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Fuse, Add	65.65	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For Bird Spikes, Add	95.45	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-51.67	
			For >100 To 250, Deduct	-77.51	
			For >250 To 500, Deduct	-120.52	
			For >500 To 1,000, Deduct	-163.53	
			For >1,000, Deduct	-206.54	
26 56 19 00-0041	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	1,033.43	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	54.08	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Fuse, Add	65.65	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For Bird Spikes, Add	95.45	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-51.67	
			For >100 To 250, Deduct	-77.51	
			For >250 To 500, Deduct	-120.52	
			For >500 To 1,000, Deduct	-163.53	
			For >1,000, Deduct	-206.54	
26 56 19 00-0042	EA		13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,171.31	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	54.08	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For Bird Spikes, Add	95.45	
			For 480 Volt, Add	98.48	
			For >50 To 100, Deduct	-58.57	
			For >100 To 250, Deduct	-87.85	
			For >250 To 500, Deduct	-137.75	
			For >500 To 1,000, Deduct	-187.66	
			For >1,000, Deduct	-237.56	
26 56 19 00-0043	EA		14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,171.31	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	54.08	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For Bird Spikes, Add	95.45	
			For 480 Volt, Add	98.48	
			For >50 To 100, Deduct	-58.57	
			For >100 To 250, Deduct	-87.85	
			For >250 To 500, Deduct	-137.75	
			For >500 To 1,000, Deduct	-187.66	
			For >1,000, Deduct	-237.56	
26 56 19 00-0044	EA		2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	656.61	173.21
			For Utility Label, Add	10.94	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	32.83	
			For 0 To 10 Volt Dimming, Add	65.65	
			For >50 To 100, Deduct	-32.83	
			For >100 To 250, Deduct	-49.25	
			For >250 To 500, Deduct	-73.42	
			For >500 To 1,000, Deduct	-97.59	
			For >1,000, Deduct	-121.76	
26 56 19 00-0045	EA		2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	656.61	173.21
			For Utility Label, Add	10.94	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	32.83	
			For 0 To 10 Volt Dimming, Add	65.65	
			For >50 To 100, Deduct	-32.83	
			For >100 To 250, Deduct	-49.25	
			For >250 To 500, Deduct	-73.42	
			For >500 To 1,000, Deduct	-97.59	
			For >1,000, Deduct	-121.76	



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0046	EA		3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	691.08	173.21
			For Utility Label, Add	10.94	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	32.83	
			For 0 To 10 Volt Dimming, Add	65.65	
			For >50 To 100, Deduct	-34.55	
			For >100 To 250, Deduct	-51.83	
			For >250 To 500, Deduct	-77.72	
			For >500 To 1,000, Deduct	-103.62	
			For >1,000, Deduct	-129.51	
26 56 19 00-0047	EA		4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	691.08	173.21
			For Utility Label, Add	10.94	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	32.83	
			For 0 To 10 Volt Dimming, Add	65.65	
			For >50 To 100, Deduct	-34.55	
			For >100 To 250, Deduct	-51.83	
			For >250 To 500, Deduct	-77.72	
			For >500 To 1,000, Deduct	-103.62	
			For >1,000, Deduct	-129.51	
26 56 19 00-0048	EA		4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	702.56	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Field Adjustable Output, Add	32.83	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For >50 To 100, Deduct	-35.13	
			For >100 To 250, Deduct	-52.69	
			For >250 To 500, Deduct	-79.16	
			For >500 To 1,000, Deduct	-105.63	
			For >1,000, Deduct	-132.10	
26 56 19 00-0049	EA		4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	702.56	173.21
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Field Adjustable Output, Add	32.83	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For >50 To 100, Deduct	-35.13	
			For >100 To 250, Deduct	-52.69	
			For >250 To 500, Deduct	-79.16	
			For >500 To 1,000, Deduct	-105.63	
			For >1,000, Deduct	-132.10	
26 56 19 00-0050			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) (26 56 19 00-0014) Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0051	EA		3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	679.59	173.21
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	72.03	
			For Bird Spikes, Add	96.10	
			For >50 To 100, Deduct	-33.98	
			For >100 To 250, Deduct	-50.97	
			For >250 To 500, Deduct	-76.29	
			For >500 To 1,000, Deduct	-101.61	
			For >1,000, Deduct	-126.93	
26 56 19 00-0052	EA		3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	679.59	173.21
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	72.03	
			For Bird Spikes, Add	96.10	
			For >50 To 100, Deduct	-33.98	
			For >100 To 250, Deduct	-50.97	
			For >250 To 500, Deduct	-76.29	
			For >500 To 1,000, Deduct	-101.61	
			For >1,000, Deduct	-126.93	
26 56 19 00-0053	EA		5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	702.56	173.21
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	72.03	
			For Bird Spikes, Add	96.10	
			For >50 To 100, Deduct	-35.13	
			For >100 To 250, Deduct	-52.69	
			For >250 To 500, Deduct	-79.16	
			For >500 To 1,000, Deduct	-105.63	
			For >1,000, Deduct	-132.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0054	EA		5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	702.56	173.21
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	72.03	
			For Bird Spikes, Add	96.10	
			For >50 To 100, Deduct	-35.13	
			For >100 To 250, Deduct	-52.69	
			For >250 To 500, Deduct	-79.16	
			For >500 To 1,000, Deduct	-105.63	
			For >1,000, Deduct	-132.10	
26 56 19 00-0055			LED Roadway Lighting (Cooper Lighting) (26 56 19 00-0001)		
26 56 19 00-0056			Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) (26 56 19 00-0055)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0057	EA		1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,069.40	173.21
			For >50 To 100, Deduct	-53.47	
			For >100 To 250, Deduct	-80.21	
			For >250 To 500, Deduct	-125.01	
			For >500 To 1,000, Deduct	-169.82	
			For >1,000, Deduct	-214.63	
26 56 19 00-0058	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,450.21	192.45
			For >50 To 100, Deduct	-72.51	
			For >100 To 250, Deduct	-108.77	
			For >250 To 500, Deduct	-171.65	
			For >500 To 1,000, Deduct	-234.54	
			For >1,000, Deduct	-297.43	
26 56 19 00-0059	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,555.31	221.32
			For >50 To 100, Deduct	-77.77	
			For >100 To 250, Deduct	-116.65	
			For >250 To 500, Deduct	-183.35	
			For >500 To 1,000, Deduct	-250.05	
			For >1,000, Deduct	-316.75	
26 56 19 00-0060	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,315.67	240.57
			For >50 To 100, Deduct	-115.78	
			For >100 To 250, Deduct	-173.68	
			For >250 To 500, Deduct	-277.43	
			For >500 To 1,000, Deduct	-381.19	
			For >1,000, Deduct	-484.94	
26 56 19 00-0061	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	3,037.85	273.88
			For >50 To 100, Deduct	-151.89	
			For >100 To 250, Deduct	-227.84	
			For >250 To 500, Deduct	-366.04	
			For >500 To 1,000, Deduct	-504.24	
			For >1,000, Deduct	-642.44	
26 56 19 00-0062			LED Roadway Lighting (PlanLED) (26 56 19 00-0001)		
26 56 19 00-0063			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) (26 56 19 00-0062)		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA		8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,285.93	168.39
			For >50 To 100, Deduct	-64.30	
			For >100 To 250, Deduct	-96.44	
			For >250 To 500, Deduct	-152.32	
			For >500 To 1,000, Deduct	-208.20	
			For >1,000, Deduct	-264.07	
26 56 19 00-0065	EA		11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,398.98	170.24
			For >50 To 100, Deduct	-69.95	
			For >100 To 250, Deduct	-104.92	
			For >250 To 500, Deduct	-166.36	
			For >500 To 1,000, Deduct	-227.80	
			For >1,000, Deduct	-289.23	
26 56 19 00-0066	EA		15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,487.99	173.21
			For >50 To 100, Deduct	-74.40	
			For >100 To 250, Deduct	-111.60	
			For >250 To 500, Deduct	-177.34	
			For >500 To 1,000, Deduct	-243.08	
			For >1,000, Deduct	-308.82	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0067		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) (26 56 19 00-0062) Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0068	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	846.95	164.33
		For >50 To 100, Deduct	-42.35	
		For >100 To 250, Deduct	-63.52	
		For >250 To 500, Deduct	-97.65	
		For >500 To 1,000, Deduct	-131.78	
		For >1,000, Deduct	-165.92	
26 56 19 00-0069	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	907.55	167.28
		For >50 To 100, Deduct	-45.38	
		For >100 To 250, Deduct	-68.07	
		For >250 To 500, Deduct	-105.08	
		For >500 To 1,000, Deduct	-142.09	
		For >1,000, Deduct	-179.11	
26 56 19 00-0070	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	1,003.14	170.24
		For >50 To 100, Deduct	-50.16	
		For >100 To 250, Deduct	-75.24	
		For >250 To 500, Deduct	-116.88	
		For >500 To 1,000, Deduct	-158.52	
		For >1,000, Deduct	-200.17	
26 56 19 00-0071		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) (26 56 19 00-0062) Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0072	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	1,066.56	170.24
		For 0 To 10 Volt Dimming, Add	94.53	
		For 347-480 Volt, Add	94.53	
		For >50 To 100, Deduct	-53.33	
		For >100 To 250, Deduct	-79.99	
		For >250 To 500, Deduct	-124.81	
		For >500 To 1,000, Deduct	-169.62	
		For >1,000, Deduct	-214.44	
26 56 19 00-0073	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	1,183.24	171.73
		For 0 To 10 Volt Dimming, Add	94.53	
		For 347-480 Volt, Add	28.56	
		For >50 To 100, Deduct	-59.16	
		For >100 To 250, Deduct	-88.74	
		For >250 To 500, Deduct	-139.32	
		For >500 To 1,000, Deduct	-189.89	
		For >1,000, Deduct	-240.47	
26 56 19 00-0074	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	1,273.67	173.21
		For 0 To 10 Volt Dimming, Add	94.53	
		For 347-480 Volt, Add	118.07	
		For >50 To 100, Deduct	-63.68	
		For >100 To 250, Deduct	-95.53	
		For >250 To 500, Deduct	-150.55	
		For >500 To 1,000, Deduct	-205.57	
		For >1,000, Deduct	-260.60	
26 56 19 00-0075		LED Roadway Lighting (General Electric) (26 56 19 00-0001)		
26 56 19 00-0076		Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) (26 56 19 00-0075) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0077	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY).....	646.59	163.58
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >50 To 100, Deduct	-32.33	
		For >100 To 250, Deduct	-48.49	
		For >250 To 500, Deduct	-72.64	
		For >500 To 1,000, Deduct	-96.79	
		For >1,000, Deduct	-120.95	
26 56 19 00-0078	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY).....	651.03	165.81
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >50 To 100, Deduct	-32.55	
		For >100 To 250, Deduct	-48.83	
		For >250 To 500, Deduct	-73.09	
		For >500 To 1,000, Deduct	-97.35	
		For >1,000, Deduct	-121.61	
26 56 19 00-0079	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY).....	678.31	168.39
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >50 To 100, Deduct	-33.92	
		For >100 To 250, Deduct	-50.87	
		For >250 To 500, Deduct	-76.37	
		For >500 To 1,000, Deduct	-101.86	
		For >1,000, Deduct	-127.36	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0080	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY).....	706.12	170.24
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-35.31	
			For >100 To 250, Deduct	-52.96	
			For >250 To 500, Deduct	-79.75	
			For >500 To 1,000, Deduct	-106.55	
			For >1,000, Deduct	-133.34	
26 56 19 00-0081	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY).....	779.81	173.94
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-38.99	
			For >100 To 250, Deduct	-58.49	
			For >250 To 500, Deduct	-88.78	
			For >500 To 1,000, Deduct	-119.07	
			For >1,000, Deduct	-149.36	
26 56 19 00-0082	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY).....	818.93	175.43
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-40.95	
			For >100 To 250, Deduct	-61.42	
			For >250 To 500, Deduct	-93.59	
			For >500 To 1,000, Deduct	-125.77	
			For >1,000, Deduct	-157.94	
26 56 19 00-0083	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY).....	892.42	178.02
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-44.62	
			For >100 To 250, Deduct	-66.93	
			For >250 To 500, Deduct	-102.65	
			For >500 To 1,000, Deduct	-138.37	
			For >1,000, Deduct	-174.09	
26 56 19 00-0084	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	1,048.69	182.83
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-52.43	
			For >100 To 250, Deduct	-78.65	
			For >250 To 500, Deduct	-121.94	
			For >500 To 1,000, Deduct	-165.24	
			For >1,000, Deduct	-208.53	
26 56 19 00-0085	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY).....	1,228.65	192.45
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-61.43	
			For >100 To 250, Deduct	-92.15	
			For >250 To 500, Deduct	-143.96	
			For >500 To 1,000, Deduct	-195.77	
			For >1,000, Deduct	-247.58	
26 56 19 00-0086			LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0001)		
26 56 19 00-0087			Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0086)		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0088	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	1,246.62	168.39
			For >50 To 100, Deduct	-62.33	
			For >100 To 250, Deduct	-93.50	
			For >250 To 500, Deduct	-147.41	
			For >500 To 1,000, Deduct	-201.32	
			For >1,000, Deduct	-255.23	
26 56 19 00-0089	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,547.99	173.21
			For >50 To 100, Deduct	-77.40	
			For >100 To 250, Deduct	-116.10	
			For >250 To 500, Deduct	-184.84	
			For >500 To 1,000, Deduct	-253.58	
			For >1,000, Deduct	-322.32	
26 56 19 00-0090	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	2,158.56	178.02
			For >50 To 100, Deduct	-107.93	
			For >100 To 250, Deduct	-161.89	
			For >250 To 500, Deduct	-260.92	
			For >500 To 1,000, Deduct	-359.95	
			For >1,000, Deduct	-458.97	
26 56 19 00-0091	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	2,773.40	185.05
			For >50 To 100, Deduct	-138.67	
			For >100 To 250, Deduct	-208.01	
			For >250 To 500, Deduct	-337.42	
			For >500 To 1,000, Deduct	-466.84	
			For >1,000, Deduct	-596.26	



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0092	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	3,374.29	190.23
			For >50 To 100, Deduct	-168.71	
			For >100 To 250, Deduct	-253.07	
			For >250 To 500, Deduct	-412.27	
			For >500 To 1,000, Deduct	-571.48	
			For >1,000, Deduct	-730.68	
26 56 19 00-0093			LED Roadway Lighting (Leotek) (26 56 19 00-0001)		
26 56 19 00-0094			Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0093)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0095	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	661.64	168.39
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-33.08	
			For >100 To 250, Deduct	-49.62	
			For >250 To 500, Deduct	-74.29	
			For >500 To 1,000, Deduct	-98.95	
			For >1,000, Deduct	-123.61	
26 56 19 00-0096	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	675.89	170.24
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-33.79	
			For >100 To 250, Deduct	-50.69	
			For >250 To 500, Deduct	-75.97	
			For >500 To 1,000, Deduct	-101.26	
			For >1,000, Deduct	-126.54	
26 56 19 00-0097	EA		Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	720.28	171.36
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-36.01	
			For >100 To 250, Deduct	-54.02	
			For >250 To 500, Deduct	-81.47	
			For >500 To 1,000, Deduct	-108.91	
			For >1,000, Deduct	-136.36	
26 56 19 00-0098	EA		Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	834.86	178.02
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-41.74	
			For >100 To 250, Deduct	-62.61	
			For >250 To 500, Deduct	-95.46	
			For >500 To 1,000, Deduct	-128.30	
			For >1,000, Deduct	-161.14	
26 56 19 00-0099	EA		Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	975.26	182.83
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-48.76	
			For >100 To 250, Deduct	-73.14	
			For >250 To 500, Deduct	-112.77	
			For >500 To 1,000, Deduct	-152.39	
			For >1,000, Deduct	-192.01	
26 56 19 00-0100	EA		Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	981.19	185.79
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-49.06	
			For >100 To 250, Deduct	-73.59	
			For >250 To 500, Deduct	-113.36	
			For >500 To 1,000, Deduct	-153.13	
			For >1,000, Deduct	-192.90	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0101	EA		Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,200.15	188.75
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-60.01	
			For >100 To 250, Deduct	-90.01	
			For >250 To 500, Deduct	-140.58	
			For >500 To 1,000, Deduct	-191.15	
			For >1,000, Deduct	-241.72	
26 56 19 00-0102	EA		Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,258.18	192.45
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-62.91	
			For >100 To 250, Deduct	-94.36	
			For >250 To 500, Deduct	-147.65	
			For >500 To 1,000, Deduct	-200.94	
			For >1,000, Deduct	-254.22	
26 56 19 00-0103	EA		Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,403.32	195.42
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-70.17	
			For >100 To 250, Deduct	-105.25	
			For >250 To 500, Deduct	-165.64	
			For >500 To 1,000, Deduct	-226.04	
			For >1,000, Deduct	-286.43	
26 56 19 00-0104	EA		Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,504.16	198.38
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-75.21	
			For >100 To 250, Deduct	-112.81	
			For >250 To 500, Deduct	-178.10	
			For >500 To 1,000, Deduct	-243.39	
			For >1,000, Deduct	-308.68	
26 56 19 00-0105	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	764.48	170.24
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-38.22	
			For >100 To 250, Deduct	-57.34	
			For >250 To 500, Deduct	-87.05	
			For >500 To 1,000, Deduct	-116.76	
			For >1,000, Deduct	-146.47	
26 56 19 00-0106	EA		Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	838.74	174.69
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-41.94	
			For >100 To 250, Deduct	-62.91	
			For >250 To 500, Deduct	-96.11	
			For >500 To 1,000, Deduct	-129.31	
			For >1,000, Deduct	-162.51	
26 56 19 00-0107	EA		Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	904.47	178.02
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-45.22	
			For >100 To 250, Deduct	-67.84	
			For >250 To 500, Deduct	-104.16	
			For >500 To 1,000, Deduct	-140.48	
			For >1,000, Deduct	-176.80	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0108	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	.....	961.13	182.09
		For LightGrid™ Wireless Outdoor Controller, Add	.....	20.00	
		For Twist Lock Shorting Cap, Add	.....	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	.....	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	.....	53.92	
		For >50 To 100, Deduct	.....	-48.06	
		For >100 To 250, Deduct	.....	-72.08	
		For >250 To 500, Deduct	.....	-111.04	
		For >500 To 1,000, Deduct	.....	-149.99	
		For >1,000, Deduct	.....	-188.94	
26 56 19 00-0109	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	.....	1,018.93	183.57
		For LightGrid™ Wireless Outdoor Controller, Add	.....	20.00	
		For Twist Lock Shorting Cap, Add	.....	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	.....	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	.....	53.92	
		For >50 To 100, Deduct	.....	-50.95	
		For >100 To 250, Deduct	.....	-76.42	
		For >250 To 500, Deduct	.....	-118.19	
		For >500 To 1,000, Deduct	.....	-159.96	
		For >1,000, Deduct	.....	-201.72	
26 56 19 00-0110	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	.....	1,211.54	190.23
		For LightGrid™ Wireless Outdoor Controller, Add	.....	20.00	
		For Twist Lock Shorting Cap, Add	.....	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	.....	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	.....	53.92	
		For >50 To 100, Deduct	.....	-60.58	
		For >100 To 250, Deduct	.....	-90.87	
		For >250 To 500, Deduct	.....	-141.93	
		For >500 To 1,000, Deduct	.....	-193.00	
		For >1,000, Deduct	.....	-244.06	
26 56 19 00-0111	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	.....	1,368.72	193.93
		For LightGrid™ Wireless Outdoor Controller, Add	.....	20.00	
		For Twist Lock Shorting Cap, Add	.....	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	.....	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	.....	53.92	
		For >50 To 100, Deduct	.....	-68.44	
		For >100 To 250, Deduct	.....	-102.65	
		For >250 To 500, Deduct	.....	-161.39	
		For >500 To 1,000, Deduct	.....	-220.13	
		For >1,000, Deduct	.....	-278.87	
26 56 19 00-0112	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	.....	1,454.57	194.68
		For LightGrid™ Wireless Outdoor Controller, Add	.....	20.00	
		For Twist Lock Shorting Cap, Add	.....	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	.....	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	.....	53.92	
		For >50 To 100, Deduct	.....	-72.73	
		For >100 To 250, Deduct	.....	-109.09	
		For >250 To 500, Deduct	.....	-172.09	
		For >500 To 1,000, Deduct	.....	-235.08	
		For >1,000, Deduct	.....	-298.08	
26 56 19 00-0113	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	.....	1,537.05	196.89
		For LightGrid™ Wireless Outdoor Controller, Add	.....	20.00	
		For Twist Lock Shorting Cap, Add	.....	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	.....	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	.....	53.92	
		For >50 To 100, Deduct	.....	-76.85	
		For >100 To 250, Deduct	.....	-115.28	
		For >250 To 500, Deduct	.....	-182.29	
		For >500 To 1,000, Deduct	.....	-249.29	
		For >1,000, Deduct	.....	-316.30	
26 56 19 00-0114	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	.....	820.88	185.79
		For LightGrid™ Wireless Outdoor Controller, Add	.....	20.00	
		For Twist Lock Shorting Cap, Add	.....	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	.....	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	.....	53.92	
		For >50 To 100, Deduct	.....	-41.04	
		For >100 To 250, Deduct	.....	-61.57	
		For >250 To 500, Deduct	.....	-93.32	
		For >500 To 1,000, Deduct	.....	-125.07	
		For >1,000, Deduct	.....	-156.83	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0115	EA		Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	887.86	187.64
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-44.39	
			For >100 To 250, Deduct	-66.59	
			For >250 To 500, Deduct	-101.60	
			For >500 To 1,000, Deduct	-136.61	
			For >1,000, Deduct	-171.62	
26 56 19 00-0116	EA		Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	632.95	169.88
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-31.65	
			For >100 To 250, Deduct	-47.47	
			For >250 To 500, Deduct	-70.63	
			For >500 To 1,000, Deduct	-93.78	
			For >1,000, Deduct	-116.93	
26 56 19 00-0117	EA		Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	644.35	171.36
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-32.22	
			For >100 To 250, Deduct	-48.33	
			For >250 To 500, Deduct	-71.98	
			For >500 To 1,000, Deduct	-95.63	
			For >1,000, Deduct	-119.28	
26 56 19 00-0118	EA		Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	699.52	174.69
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-34.98	
			For >100 To 250, Deduct	-52.46	
			For >250 To 500, Deduct	-78.71	
			For >500 To 1,000, Deduct	-104.95	
			For >1,000, Deduct	-131.19	
26 56 19 00-0119	EA		Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	1,071.48	188.75
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-53.57	
			For >100 To 250, Deduct	-80.36	
			For >250 To 500, Deduct	-124.50	
			For >500 To 1,000, Deduct	-168.63	
			For >1,000, Deduct	-212.77	
26 56 19 00-0120	EA		Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,395.51	194.68
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-69.78	
			For >100 To 250, Deduct	-104.66	
			For >250 To 500, Deduct	-164.71	
			For >500 To 1,000, Deduct	-224.75	
			For >1,000, Deduct	-284.79	
26 56 19 00-0121	EA		Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,245.11	195.42
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-62.26	
			For >100 To 250, Deduct	-93.38	
			For >250 To 500, Deduct	-145.87	
			For >500 To 1,000, Deduct	-198.35	
			For >1,000, Deduct	-250.84	
26 56 19 00-0122	EA		Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	608.39	170.24
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-30.42	
			For >100 To 250, Deduct	-45.63	
			For >250 To 500, Deduct	-67.54	
			For >500 To 1,000, Deduct	-89.44	
			For >1,000, Deduct	-111.35	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0123			LED, Wall Packs (26 56 19)		
26 56 19 00-0124			Full Cutoff, LED Wall Packs (26 56 19 00-0123)		
26 56 19 00-0125			Full Cutoff, LED Wall Packs (Lithonia) (26 56 19 00-0124)		
26 56 19 00-0126	EA		30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,017.22	129.53
			<i>For >50 To 100, Deduct</i>	-50.86	
			<i>For >100 To 250, Deduct</i>	-76.29	
			<i>For >250 To 500, Deduct</i>	-120.68	
			<i>For >500 To 1,000, Deduct</i>	-165.06	
			<i>For >1,000, Deduct</i>	-209.44	
26 56 19 00-0127	EA		30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,099.52	129.53
			<i>For >50 To 100, Deduct</i>	-54.98	
			<i>For >100 To 250, Deduct</i>	-82.46	
			<i>For >250 To 500, Deduct</i>	-130.96	
			<i>For >500 To 1,000, Deduct</i>	-179.46	
			<i>For >1,000, Deduct</i>	-227.96	
26 56 19 00-0128			Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 19 00-0124)		
26 56 19 00-0129			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 19 00-0128)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0130	EA		20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,044.39	125.83
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	21.88	
			<i>For Bird Spikes, Add</i>	53.94	
			<i>For Fuse, Add</i>	65.65	
			<i>For 0 To 10 Volt Dimming, Add</i>	65.65	
			<i>For 480 Volt, Add</i>	98.48	
			<i>For Multi-Level, Add</i>	142.23	
			<i>For >50 To 100, Deduct</i>	-52.22	
			<i>For >100 To 250, Deduct</i>	-78.33	
			<i>For >250 To 500, Deduct</i>	-124.26	
			<i>For >500 To 1,000, Deduct</i>	-170.18	
			<i>For >1,000, Deduct</i>	-216.11	
26 56 19 00-0131	EA		40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,346.43	133.23
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	21.88	
			<i>For Bird Spikes, Add</i>	54.68	
			<i>For Fuse, Add</i>	65.65	
			<i>For 0 To 10 Volt Dimming, Add</i>	65.65	
			<i>For 480 Volt, Add</i>	98.48	
			<i>For Multi-Level, Add</i>	142.23	
			<i>For >50 To 100, Deduct</i>	-67.32	
			<i>For >100 To 250, Deduct</i>	-100.98	
			<i>For >250 To 500, Deduct</i>	-161.64	
			<i>For >500 To 1,000, Deduct</i>	-222.30	
			<i>For >1,000, Deduct</i>	-282.96	
26 56 19 00-0132	EA		60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,509.59	140.64
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	21.88	
			<i>For Bird Spikes, Add</i>	55.42	
			<i>For Fuse, Add</i>	65.65	
			<i>For 0 To 10 Volt Dimming, Add</i>	65.65	
			<i>For 480 Volt, Add</i>	98.48	
			<i>For Multi-Level, Add</i>	142.23	
			<i>For >50 To 100, Deduct</i>	-75.48	
			<i>For >100 To 250, Deduct</i>	-113.22	
			<i>For >250 To 500, Deduct</i>	-181.67	
			<i>For >500 To 1,000, Deduct</i>	-250.11	
			<i>For >1,000, Deduct</i>	-318.56	
26 56 19 00-0133	EA		80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,950.49	148.04
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	21.88	
			<i>For Bird Spikes, Add</i>	56.16	
			<i>For Fuse, Add</i>	65.65	
			<i>For 0 To 10 Volt Dimming, Add</i>	65.65	
			<i>For 480 Volt, Add</i>	98.48	
			<i>For Multi-Level, Add</i>	142.23	
			<i>For >50 To 100, Deduct</i>	-97.52	
			<i>For >100 To 250, Deduct</i>	-146.29	
			<i>For >250 To 500, Deduct</i>	-236.41	
			<i>For >500 To 1,000, Deduct</i>	-326.53	
			<i>For >1,000, Deduct</i>	-416.65	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0134	EA		100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,252.51	155.44
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Bird Spikes, Add	56.90	
			For Fuse, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-112.63	
			For >100 To 250, Deduct	-168.94	
			For >250 To 500, Deduct	-273.79	
			For >500 To 1,000, Deduct	-378.64	
			For >1,000, Deduct	-483.50	
26 56 19 00-0135	EA		120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,554.54	162.84
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Bird Spikes, Add	57.64	
			For Fuse, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-127.73	
			For >100 To 250, Deduct	-191.59	
			For >250 To 500, Deduct	-311.18	
			For >500 To 1,000, Deduct	-430.76	
			For >1,000, Deduct	-550.34	
26 56 19 00-0136			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) (26 56 19 00-0128) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0137	EA		25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	617.88	125.83
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For 0 To 10 Volt Dimming, Add	65.65	
			For Multi-Level, Add	65.65	
			For >50 To 100, Deduct	-30.89	
			For >100 To 250, Deduct	-46.34	
			For >250 To 500, Deduct	-70.94	
			For >500 To 1,000, Deduct	-95.55	
			For >1,000, Deduct	-120.15	
26 56 19 00-0138	EA		42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	718.13	133.23
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For 0 To 10 Volt Dimming, Add	65.65	
			For Multi-Level, Add	65.65	
			For >50 To 100, Deduct	-35.91	
			For >100 To 250, Deduct	-53.86	
			For >250 To 500, Deduct	-83.10	
			For >500 To 1,000, Deduct	-112.35	
			For >1,000, Deduct	-141.59	
26 56 19 00-0139			Full Cutoff, LED Wall Packs (McGraw-Edison) (26 56 19 00-0124)		
26 56 19 00-0140	EA		One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,345.28	125.83
26 56 19 00-0141	EA		Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,670.60	133.23
26 56 19 00-0142	EA		One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,361.27	125.83
26 56 19 00-0143	EA		Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,816.72	133.23
26 56 19 00-0144			Open Face LED Wall Pack (26 56 19 00-0123) Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0145	EA		3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	762.13	134.31
			For >50 To 100, Deduct	-38.11	
			For >100 To 250, Deduct	-57.16	
			For >250 To 500, Deduct	-85.19	
			For >500 To 1,000, Deduct	-113.23	
			For >1,000, Deduct	-141.26	
26 56 19 00-0146	EA		5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	780.75	134.31
			For >50 To 100, Deduct	-39.04	
			For >100 To 250, Deduct	-58.56	
			For >250 To 500, Deduct	-87.52	
			For >500 To 1,000, Deduct	-116.49	
			For >1,000, Deduct	-145.45	
26 56 19 00-0147	EA		7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	820.80	134.31
			For >50 To 100, Deduct	-41.04	
			For >100 To 250, Deduct	-61.56	
			For >250 To 500, Deduct	-92.53	
			For >500 To 1,000, Deduct	-123.49	
			For >1,000, Deduct	-154.46	
26 56 19 00-0148	EA		11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	855.26	134.31
			For >50 To 100, Deduct	-42.76	
			For >100 To 250, Deduct	-64.14	
			For >250 To 500, Deduct	-96.83	
			For >500 To 1,000, Deduct	-129.52	
			For >1,000, Deduct	-162.21	



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0149	EA		16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	916.45	134.31
			For >50 To 100, Deduct	-45.82	
			For >100 To 250, Deduct	-68.73	
			For >250 To 500, Deduct	-104.48	
			For >500 To 1,000, Deduct	-140.23	
			For >1,000, Deduct	-175.98	
26 56 19 00-0150			Wall Pack Accessories (26 56 19 00-0123)		
26 56 19 00-0151	EA		Photocell For Wall Pack.....	147.61	33.58
26 56 19 00-0152	EA		Wire Guard For Mini And Small Wall Pack	164.43	33.58
26 56 19 00-0153	EA		Wire Guard For Medium And Large Wall Pack	234.77	33.58
26 56 19 00-0154	EA		Clear Polycarbonate Vandal Guard For Wall Packs	336.27	33.58
26 56 19 00-0155	EA		Full Cutoff Visor For Wall Pack	159.84	33.58
26 56 19 00-0156			LED, Pole Mounted (26 56 19)		
26 56 19 00-0157			LED, Pole Mounted (Dialight) (26 56 19 00-0156)		
26 56 19 00-0158	EA		131 Watt, Enclosed And Gasketed, Exterior LED Roadway Fixture (Dialight SL2C4ELGH)	2,077.40	211.70
			For >50 To 100, Deduct	-103.87	
			For >100 To 250, Deduct	-155.81	
			For >250 To 500, Deduct	-249.09	
			For >500 To 1,000, Deduct	-342.38	
			For >1,000, Deduct	-435.66	
26 56 19 00-0159			LED, Pole Mounted (LED-Era) (26 56 19 00-0156)		
26 56 19 00-0160	EA		88 Watt, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS5).....	2,579.52	192.45
			For >50 To 100, Deduct	-128.98	
			For >100 To 250, Deduct	-193.46	
			For >250 To 500, Deduct	-312.82	
			For >500 To 1,000, Deduct	-432.17	
			For >1,000, Deduct	-551.52	
26 56 19 00-0161	EA		124 Watt, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS7).....	3,070.23	211.70
			For >50 To 100, Deduct	-153.51	
			For >100 To 250, Deduct	-230.27	
			For >250 To 500, Deduct	-373.19	
			For >500 To 1,000, Deduct	-516.12	
			For >1,000, Deduct	-659.05	
26 56 19 00-0162			LED, Pole Mounted (Lighting Science Group) (26 56 19 00-0156)		
26 56 19 00-0163	EA		50 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR1 CW R3 2B)	1,883.97	173.21
			For >50 To 100, Deduct	-94.20	
			For >100 To 250, Deduct	-141.30	
			For >250 To 500, Deduct	-226.84	
			For >500 To 1,000, Deduct	-312.37	
			For >1,000, Deduct	-397.91	
26 56 19 00-0164	EA		75 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR2 CW R3 2B)	1,922.47	192.45
			For >50 To 100, Deduct	-96.12	
			For >100 To 250, Deduct	-144.19	
			For >250 To 500, Deduct	-230.69	
			For >500 To 1,000, Deduct	-317.19	
			For >1,000, Deduct	-403.69	
26 56 19 00-0165	EA		100 Watt, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R2 2B)	2,080.03	202.08
			For >50 To 100, Deduct	-104.00	
			For >100 To 250, Deduct	-156.00	
			For >250 To 500, Deduct	-249.90	
			For >500 To 1,000, Deduct	-343.80	
			For >1,000, Deduct	-437.70	
26 56 19 00-0166	EA		100 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R3 2B)	2,080.03	202.08
			For >50 To 100, Deduct	-104.00	
			For >100 To 250, Deduct	-156.00	
			For >250 To 500, Deduct	-249.90	
			For >500 To 1,000, Deduct	-343.80	
			For >1,000, Deduct	-437.70	
26 56 19 00-0167	EA		150 Watt, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R2 2B)	2,118.53	221.32
			For >50 To 100, Deduct	-105.93	
			For >100 To 250, Deduct	-158.89	
			For >250 To 500, Deduct	-253.75	
			For >500 To 1,000, Deduct	-348.61	
			For >1,000, Deduct	-443.47	
26 56 19 00-0168	EA		150 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R3 2B)	2,118.53	221.32
			For >50 To 100, Deduct	-105.93	
			For >100 To 250, Deduct	-158.89	
			For >250 To 500, Deduct	-253.75	
			For >500 To 1,000, Deduct	-348.61	
			For >1,000, Deduct	-443.47	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0169	EA		86 Watt, Type V Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group SHB CW CLR).....	2,481.09	192.45
			For >50 To 100, Deduct	-124.05	
			For >100 To 250, Deduct	-186.08	
			For >250 To 500, Deduct	-300.51	
			For >500 To 1,000, Deduct	-414.95	
			For >1,000, Deduct	-529.38	
26 56 19 00-0170			LED, Area Fixtures (26 56 19)		
26 56 19 00-0171			Pole Mount, LED Area Fixtures (26 56 19 00-0170)		
26 56 19 00-0172			Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) (26 56 19 00-0171)		
			Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0173	EA		20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,510.97	125.83
			For >50 To 100, Deduct	-125.55	
			For >100 To 250, Deduct	-188.32	
			For >250 To 500, Deduct	-307.58	
			For >500 To 1,000, Deduct	-426.84	
			For >1,000, Deduct	-546.09	
26 56 19 00-0174	EA		40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,706.53	133.23
			For >50 To 100, Deduct	-135.33	
			For >100 To 250, Deduct	-202.99	
			For >250 To 500, Deduct	-331.65	
			For >500 To 1,000, Deduct	-460.32	
			For >1,000, Deduct	-588.98	
26 56 19 00-0175	EA		80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,916.88	148.04
			For >50 To 100, Deduct	-145.84	
			For >100 To 250, Deduct	-218.77	
			For >250 To 500, Deduct	-357.21	
			For >500 To 1,000, Deduct	-495.65	
			For >1,000, Deduct	-634.09	
26 56 19 00-0176	EA		100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,931.68	155.44
			For >50 To 100, Deduct	-146.58	
			For >100 To 250, Deduct	-219.88	
			For >250 To 500, Deduct	-358.69	
			For >500 To 1,000, Deduct	-497.50	
			For >1,000, Deduct	-636.31	
26 56 19 00-0177			Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) (26 56 19 00-0171)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0178	EA		40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,402.02	133.23
			For Backlight Shielding, Add	25.98	
			For Type II Medium Optic, Add	44.51	
			For 347-480 Volt, Add	111.02	
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-70.10	
			For >100 To 250, Deduct	-105.15	
			For >250 To 500, Deduct	-168.59	
			For >500 To 1,000, Deduct	-232.03	
			For >1,000, Deduct	-295.47	
26 56 19 00-0179	EA		60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,689.57	140.64
			For Backlight Shielding, Add	25.98	
			For Type II Medium Optic, Add	45.25	
			For 347-480 Volt, Add	111.02	
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-84.48	
			For >100 To 250, Deduct	-126.72	
			For >250 To 500, Deduct	-204.16	
			For >500 To 1,000, Deduct	-281.61	
			For >1,000, Deduct	-359.06	
26 56 19 00-0180	EA		80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,086.60	148.04
			For Backlight Shielding, Add	25.98	
			For Type II Medium Optic, Add	45.99	
			For 347-480 Volt, Add	111.02	
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-104.33	
			For >100 To 250, Deduct	-156.50	
			For >250 To 500, Deduct	-253.42	
			For >500 To 1,000, Deduct	-350.35	
			For >1,000, Deduct	-447.28	



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0181	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) <i>For Backlight Shielding, Add</i> <i>For Type II Medium Optic, Add</i> <i>For 347-480 Volt, Add</i> <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	2,374.16 25.98 46.73 111.02 259.76 -118.71 -178.06 -289.00 -399.93 -510.87	155.44
26 56 19 00-0182	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) <i>For Backlight Shielding, Add</i> <i>For Type II Medium Optic, Add</i> <i>For 347-480 Volt, Add</i> <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	2,661.71 25.98 47.47 111.02 259.76 -133.09 -199.63 -324.57 -449.51 -574.46	162.84
26 56 19 00-0183	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) <i>For Backlight Shielding, Add</i> <i>For Type II Medium Optic, Add</i> <i>For 347-480 Volt, Add</i> <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	3,036.48 25.98 48.22 111.02 259.76 -151.82 -227.74 -371.05 -514.36 -657.67	170.24
26 56 19 00-0184	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) <i>For Backlight Shielding, Add</i> <i>For Type II Medium Optic, Add</i> <i>For 347-480 Volt, Add</i> <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	3,324.03 25.98 48.96 111.02 259.76 -166.20 -249.30 -406.62 -563.94 -721.26	177.64
26 56 19 00-0185		Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) (26 56 19 00-0171) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0186	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For 5,000K Color Temperature, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For 1,000mA Driver, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	2,460.32 21.88 50.75 54.71 65.65 65.65 98.48 142.23 183.84 -123.02 -184.52 -299.40 -414.27 -529.15	162.84
26 56 19 00-0187	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 5,000K Color Temperature, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For Bird Spikes, Add</i> <i>For Multi-Level, Add</i> <i>For 1,000mA Driver, Add</i> <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	4,142.79 21.88 54.71 65.65 65.65 75.15 142.23 183.82 196.94 -207.14 -310.71 -507.86 -705.00 -902.15	199.86
26 56 19 00-0188		Wall Mount, LED Area Fixtures (26 56 19 00-0170)		
26 56 19 00-0189		Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 19 00-0188) Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0190	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,121.05	125.83
			For >50 To 100, Deduct	-56.05	
			For >100 To 250, Deduct	-84.08	
			For >250 To 500, Deduct	-133.84	
			For >500 To 1,000, Deduct	-183.60	
			For >1,000, Deduct	-233.36	
26 56 19 00-0191	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,150.66	140.64
			For >50 To 100, Deduct	-57.53	
			For >100 To 250, Deduct	-86.30	
			For >250 To 500, Deduct	-136.80	
			For >500 To 1,000, Deduct	-187.30	
			For >1,000, Deduct	-237.80	
26 56 19 00-0192			Surface Mount, LED Parking Structure Fixtures (26 56 19 00-0170)		
26 56 19 00-0193			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 19 00-0192)		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0194	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,238.74	133.23
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-61.94	
			For >100 To 250, Deduct	-92.91	
			For >250 To 500, Deduct	-148.18	
			For >500 To 1,000, Deduct	-203.46	
			For >1,000, Deduct	-258.73	
26 56 19 00-0195	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,526.29	140.64
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-76.31	
			For >100 To 250, Deduct	-114.47	
			For >250 To 500, Deduct	-183.75	
			For >500 To 1,000, Deduct	-253.04	
			For >1,000, Deduct	-322.32	
26 56 19 00-0196	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,813.85	148.04
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-90.69	
			For >100 To 250, Deduct	-136.04	
			For >250 To 500, Deduct	-219.33	
			For >500 To 1,000, Deduct	-302.62	
			For >1,000, Deduct	-385.91	
26 56 19 00-0197	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	2,101.40	155.44
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-105.07	
			For >100 To 250, Deduct	-157.61	
			For >250 To 500, Deduct	-254.90	
			For >500 To 1,000, Deduct	-352.20	
			For >1,000, Deduct	-449.50	
26 56 19 00-0198			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) (26 56 19 00-0192)		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0199	EA		40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,194.21	133.23
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-59.71	
			For >100 To 250, Deduct	-89.57	
			For >250 To 500, Deduct	-142.61	
			For >500 To 1,000, Deduct	-195.66	
			For >1,000, Deduct	-248.71	
26 56 19 00-0200	EA		60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,318.48	140.64
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-65.92	
			For >100 To 250, Deduct	-98.89	
			For >250 To 500, Deduct	-157.78	
			For >500 To 1,000, Deduct	-216.67	
			For >1,000, Deduct	-275.56	
26 56 19 00-0201			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) (26 56 19 00-0192)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0202	EA		3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	1,047.22	133.23
			For >50 To 100, Deduct	-52.36	
			For >100 To 250, Deduct	-78.54	
			For >250 To 500, Deduct	-124.24	
			For >500 To 1,000, Deduct	-169.94	
			For >1,000, Deduct	-215.64	
26 56 19 00-0203			Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) (26 56 19 00-0192)		
			Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0204	EA		70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,071.90	140.64
			For >50 To 100, Deduct	-103.60	
			For >100 To 250, Deduct	-155.39	
			For >250 To 500, Deduct	-251.96	
			For >500 To 1,000, Deduct	-348.52	
			For >1,000, Deduct	-445.08	
26 56 19 00-0205	EA		110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,101.51	155.44
			For >50 To 100, Deduct	-105.08	
			For >100 To 250, Deduct	-157.61	
			For >250 To 500, Deduct	-254.92	
			For >500 To 1,000, Deduct	-352.22	
			For >1,000, Deduct	-449.52	
26 56 19 00-0206			Surface Mount, LED Canopy Fixtures (26 56 19 00-0170)		
26 56 19 00-0207			Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) (26 56 19 00-0206)		
			Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0208	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,435.42	133.23
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-71.77	
			For >100 To 250, Deduct	-107.66	
			For >250 To 500, Deduct	-172.77	
			For >500 To 1,000, Deduct	-237.87	
			For >1,000, Deduct	-302.98	
26 56 19 00-0209	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,722.97	140.64
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-86.15	
			For >100 To 250, Deduct	-129.22	
			For >250 To 500, Deduct	-208.34	
			For >500 To 1,000, Deduct	-287.46	
			For >1,000, Deduct	-366.57	
26 56 19 00-0210	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,010.53	148.04
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-100.53	
			For >100 To 250, Deduct	-150.79	
			For >250 To 500, Deduct	-243.91	
			For >500 To 1,000, Deduct	-337.04	
			For >1,000, Deduct	-430.16	
26 56 19 00-0211	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,298.08	155.44
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-114.90	
			For >100 To 250, Deduct	-172.36	
			For >250 To 500, Deduct	-279.49	
			For >500 To 1,000, Deduct	-386.62	
			For >1,000, Deduct	-493.75	
26 56 19 00-0212	EA		120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,585.63	162.84
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-129.28	
			For >100 To 250, Deduct	-193.92	
			For >250 To 500, Deduct	-315.06	
			For >500 To 1,000, Deduct	-436.20	
			For >1,000, Deduct	-557.34	
26 56 19 00-0213	EA		140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,982.67	170.24
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-149.13	
			For >100 To 250, Deduct	-223.70	
			For >250 To 500, Deduct	-364.32	
			For >500 To 1,000, Deduct	-504.94	
			For >1,000, Deduct	-645.56	
26 56 19 00-0214	EA		160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,270.22	177.64
			For Multi-Level Drive Currents, Add	259.76	
			For >50 To 100, Deduct	-163.51	
			For >100 To 250, Deduct	-245.27	
			For >250 To 500, Deduct	-399.90	
			For >500 To 1,000, Deduct	-554.52	
			For >1,000, Deduct	-709.15	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0215 EA 200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,845.33	192.45
For Multi-Level Drive Currents, Add	259.76	
For >50 To 100, Deduct	-192.27	
For >100 To 250, Deduct	-288.40	
For >250 To 500, Deduct	-471.04	
For >500 To 1,000, Deduct	-653.69	
For >1,000, Deduct	-836.33	
26 56 19 00-0216 EA 240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	4,405.64	199.86
For Multi-Level Drive Currents, Add	259.76	
For >50 To 100, Deduct	-220.28	
For >100 To 250, Deduct	-330.42	
For >250 To 500, Deduct	-540.71	
For >500 To 1,000, Deduct	-751.00	
For >1,000, Deduct	-961.29	
26 56 19 00-0217 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) (26 56 19 00-0206)		
Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0218 EA 8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	995.60	148.04
For >50 To 100, Deduct	-49.78	
For >100 To 250, Deduct	-74.67	
For >250 To 500, Deduct	-117.05	
For >500 To 1,000, Deduct	-159.43	
For >1,000, Deduct	-201.80	
26 56 19 00-0219 Recessed Mount, LED Soffit Fixtures (26 56 19 00-0170)		
26 56 19 00-0220 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) (26 56 19 00-0219)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0221 EA 40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,216.47	133.23
For >50 To 100, Deduct	-60.82	
For >100 To 250, Deduct	-91.24	
For >250 To 500, Deduct	-145.40	
For >500 To 1,000, Deduct	-199.56	
For >1,000, Deduct	-253.72	
26 56 19 00-0222 EA 60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,340.74	140.64
For >50 To 100, Deduct	-67.04	
For >100 To 250, Deduct	-100.56	
For >250 To 500, Deduct	-160.56	
For >500 To 1,000, Deduct	-220.57	
For >1,000, Deduct	-280.57	
26 56 19 00-0223 Surface Mount, LED Area Fixtures (26 56 19 00-0170)		
26 56 19 00-0224 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) (26 56 19 00-0223)		
Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0225 EA 50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	687.95	133.23
For >50 To 100, Deduct	-34.40	
For >100 To 250, Deduct	-51.60	
For >250 To 500, Deduct	-79.33	
For >500 To 1,000, Deduct	-107.07	
For >1,000, Deduct	-134.80	
26 56 19 00-0226 EA 50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,512.22	133.23
For >50 To 100, Deduct	-75.61	
For >100 To 250, Deduct	-113.42	
For >250 To 500, Deduct	-182.37	
For >500 To 1,000, Deduct	-251.31	
For >1,000, Deduct	-320.26	
26 56 19 00-0227 EA 68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,260.03	148.04
For >50 To 100, Deduct	-63.00	
For >100 To 250, Deduct	-94.50	
For >250 To 500, Deduct	-150.10	
For >500 To 1,000, Deduct	-205.70	
For >1,000, Deduct	-261.30	
26 56 19 00-0228 EA 68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,557.48	148.04
For >50 To 100, Deduct	-77.87	
For >100 To 250, Deduct	-116.81	
For >250 To 500, Deduct	-187.28	
For >500 To 1,000, Deduct	-257.75	
For >1,000, Deduct	-328.23	
26 56 19 00-0229 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) (26 56 19 00-0223)		
Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0230	EA		13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A).....	222.74	48.35
			For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
			For >50 To 100, Deduct	-11.14	
			For >100 To 250, Deduct	-16.71	
			For >250 To 500, Deduct	-25.83	
			For >500 To 1,000, Deduct	-34.95	
			For >1,000, Deduct	-44.07	
26 56 19 00-0231	EA		20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A).....	252.90	48.35
			For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
			For >50 To 100, Deduct	-12.65	
			For >100 To 250, Deduct	-18.97	
			For >250 To 500, Deduct	-29.60	
			For >500 To 1,000, Deduct	-40.23	
			For >1,000, Deduct	-50.86	
26 56 19 00-0232	EA		30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A).....	310.34	48.35
			For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
			For >50 To 100, Deduct	-15.52	
			For >100 To 250, Deduct	-23.28	
			For >250 To 500, Deduct	-36.78	
			For >500 To 1,000, Deduct	-50.28	
			For >1,000, Deduct	-63.78	
26 56 19 00-0233			Surface Mount, LED Facade Fixtures (26 56 19 00-0170)		
26 56 19 00-0234			Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 19 00-0233)		
26 56 19 00-0235	EA		12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	787.93	56.45
			For >50 To 100, Deduct	-39.40	
			For >100 To 250, Deduct	-59.09	
			For >250 To 500, Deduct	-96.34	
			For >500 To 1,000, Deduct	-133.59	
			For >1,000, Deduct	-170.84	
26 56 19 00-0236	EA		24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,281.97	51.54
			For >50 To 100, Deduct	-64.10	
			For >100 To 250, Deduct	-96.15	
			For >250 To 500, Deduct	-158.41	
			For >500 To 1,000, Deduct	-220.66	
			For >1,000, Deduct	-282.92	
26 56 19 00-0237	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,636.26	42.95
			For >50 To 100, Deduct	-81.81	
			For >100 To 250, Deduct	-122.72	
			For >250 To 500, Deduct	-203.00	
			For >500 To 1,000, Deduct	-283.28	
			For >1,000, Deduct	-363.56	
26 56 19 00-0238	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,990.51	34.36
			For >50 To 100, Deduct	-99.53	
			For >100 To 250, Deduct	-149.29	
			For >250 To 500, Deduct	-247.59	
			For >500 To 1,000, Deduct	-345.89	
			For >1,000, Deduct	-444.18	
26 56 19 00-0239			Post Top, LED Area Fixtures (26 56 19 00-0170)		
26 56 19 00-0240			Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 19 00-0239)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0241	EA		1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	2,208.75	203.56
			For >50 To 100, Deduct	-110.44	
			For >100 To 250, Deduct	-165.66	
			For >250 To 500, Deduct	-265.92	
			For >500 To 1,000, Deduct	-366.18	
			For >1,000, Deduct	-466.44	
26 56 19 00-0242	EA		3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	2,438.63	203.56
			For >50 To 100, Deduct	-121.93	
			For >100 To 250, Deduct	-182.90	
			For >250 To 500, Deduct	-294.65	
			For >500 To 1,000, Deduct	-406.40	
			For >1,000, Deduct	-518.16	
26 56 19 00-0243	EA		77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	2,620.34	203.56
			For >50 To 100, Deduct	-131.02	
			For >100 To 250, Deduct	-196.53	
			For >250 To 500, Deduct	-317.36	
			For >500 To 1,000, Deduct	-438.20	
			For >1,000, Deduct	-559.04	
26 56 19 00-0244			Post Top, LED Area Fixtures (General Electric EPAS) (26 56 19 00-0239)		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0245 EA 3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	2,602.94	203.56
For >50 To 100, Deduct	-130.15	
For >100 To 250, Deduct	-195.22	
For >250 To 500, Deduct	-315.19	
For >500 To 1,000, Deduct	-435.16	
For >1,000, Deduct	-555.13	
26 56 19 00-0246 EA 6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....	2,662.00	203.56
For >50 To 100, Deduct	-133.10	
For >100 To 250, Deduct	-199.65	
For >250 To 500, Deduct	-322.57	
For >500 To 1,000, Deduct	-445.49	
For >1,000, Deduct	-568.42	
26 56 19 00-0247 Post Top, LED Area Fixtures (General Electric EPTC) (26 56 19 00-0239)		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0248 EA 3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,803.30	203.56
For >50 To 100, Deduct	-90.17	
For >100 To 250, Deduct	-135.25	
For >250 To 500, Deduct	-215.23	
For >500 To 1,000, Deduct	-295.22	
For >1,000, Deduct	-375.21	
26 56 19 00-0249 EA 6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,891.69	203.56
For >50 To 100, Deduct	-94.58	
For >100 To 250, Deduct	-141.88	
For >250 To 500, Deduct	-226.28	
For >500 To 1,000, Deduct	-310.69	
For >1,000, Deduct	-395.10	
26 56 19 00-0250 Post Top, LED Area Fixtures (General Electric EPST) (26 56 19 00-0239)		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0251 EA 3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	1,401.52	203.56
For >50 To 100, Deduct	-70.08	
For >100 To 250, Deduct	-105.11	
For >250 To 500, Deduct	-165.01	
For >500 To 1,000, Deduct	-224.91	
For >1,000, Deduct	-284.81	
26 56 19 00-0252 EA 6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	1,489.91	203.56
For >50 To 100, Deduct	-74.50	
For >100 To 250, Deduct	-111.74	
For >250 To 500, Deduct	-176.06	
For >500 To 1,000, Deduct	-240.38	
For >1,000, Deduct	-304.70	
26 56 19 00-0253 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) (26 56 19 00-0239)		
Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0254 EA 13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	3,234.82	203.56
For >50 To 100, Deduct	-161.74	
For >100 To 250, Deduct	-242.61	
For >250 To 500, Deduct	-394.17	
For >500 To 1,000, Deduct	-545.74	
For >1,000, Deduct	-697.30	
26 56 19 00-0255 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) (26 56 19 00-0239)		
Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts.		
26 56 19 00-0256 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	899.92	111.03
For 0 To 10 Volt Dimming, Add	65.65	
For >50 To 100, Deduct	-45.00	
For >100 To 250, Deduct	-67.49	
For >250 To 500, Deduct	-106.94	
For >500 To 1,000, Deduct	-146.38	
For >1,000, Deduct	-185.83	
26 56 19 00-0257 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) (26 56 19 00-0239)		
Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts.		



Electrical		26
Lighting		26 50
Exterior Lighting		26 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0258 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)..... <i>For Backlight Control Shield, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	563.49 43.80 -28.17 -42.26 -68.07 -93.87 -119.68	23.69
26 56 19 00-0259 Surface Mount, LED Strip Fixtures (Sylvania) (26 56 19 00-0170)		
26 56 19 00-0260 EA 4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	544.72 -27.24 -40.85 -66.40 -91.95 -117.50	44.91
26 56 21 HID Exterior Lighting (26 56)		
26 56 21 00-0001 High Mast Fixtures (26 56 21)		
26 56 21 00-0002 Metal Halide, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0003 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,026.99	183.17
26 56 21 00-0004 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,165.67	183.17
26 56 21 00-0005 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,148.64	209.25
26 56 21 00-0006 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,231.85	209.25
26 56 21 00-0007 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,259.99	261.57
26 56 21 00-0008 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,343.20	261.57
26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0010 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	2,093.80	183.17
26 56 21 00-0011 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,177.01	183.17
26 56 21 00-0012 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,532.64	193.63
26 56 21 00-0013 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,595.17	209.25
26 56 21 00-0014 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,748.12	261.57
26 56 21 00-0015 HID, Pole Mounted (26 56 21)		
26 56 21 00-0016 Metal Halide, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0017 EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	770.38	298.67
26 56 21 00-0018 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	867.78	324.20
26 56 21 00-0019 EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,012.50	348.75
26 56 21 00-0020 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,282.54	408.75
26 56 21 00-0021 High Pressure Sodium, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0022 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	875.88	348.75
26 56 21 00-0023 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	901.78	348.75
26 56 21 00-0024 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	943.36	348.75
26 56 21 00-0025 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,052.77	348.75
26 56 21 00-0026 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,215.42	348.75
26 56 21 00-0027 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,229.88	348.75
26 56 21 00-0028 Low Pressure Sodium, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0029 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	780.81	189.72
26 56 21 00-0030 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	841.74	279.01
26 56 21 00-0031 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	991.04	279.01
26 56 21 00-0032 Metal Halide, Area Fixtures (26 56 21)		
26 56 21 00-0033 Metal Halide, Pole Mount, Area Fixtures (26 56 21 00-0032) Note: Includes pulse start ballast.		
26 56 21 00-0034 EA 150 Watt, Metal Halide Area Fixture, Pole Mount.....	1,200.55	183.90
26 56 21 00-0035 EA 175 Watt, Metal Halide Area Fixture, Pole Mount.....	1,317.47	202.29
26 56 21 00-0036 EA 250 Watt, Metal Halide Area Fixture, Pole Mount.....	1,457.03	220.68
26 56 21 00-0037 EA 400 Watt, Metal Halide Area Fixture, Pole Mount.....	1,540.76	257.46
26 56 21 00-0038 High Pressure Sodium, Area Fixtures (26 56 21)		
26 56 21 00-0039 Pole Mount, High Pressure Sodium Area Fixtures (26 56 21 00-0038)		
26 56 21 00-0040 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	997.43	147.12
26 56 21 00-0041 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	1,085.33	183.90
26 56 21 00-0042 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	1,177.06	220.68
26 56 21 00-0043 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	1,240.74	257.46



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0044	Surface Mounted, Rectangular Exterior Area Fixture (26 56 21)			
26 56 21 00-0045	Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)			
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	723.67	279.01
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	824.83	313.88
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	988.69	348.75
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,260.40	408.75
26 56 21 00-0050	High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)			
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	696.20	238.55
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	756.54	253.90
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	815.58	267.84
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	842.84	279.01
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	936.03	313.88
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,009.92	348.75
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,387.79	408.75
26 56 21 00-0058	Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21)			
26 56 21 00-0059	High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)			
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.				
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	855.46	188.33
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	887.24	209.25
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	948.14	238.55
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	974.24	253.90
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,001.28	267.84
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,049.13	279.01
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,149.81	313.88
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,396.72	348.75
26 56 21 00-0068	Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)			
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.				
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	941.70	209.25
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	994.32	238.55
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,028.16	253.90
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,071.78	267.84
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,095.38	279.01
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,198.43	313.88
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,525.93	348.75
26 56 21 00-0076	Wall Packs (26 56 21)			
26 56 21 00-0077	Non-Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)			
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.				
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	390.57	67.15
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	418.35	67.15
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	418.35	67.15
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	553.05	67.15
26 56 21 00-0082	Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)			
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.				
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	770.47	67.15
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	780.47	67.15
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	789.11	67.15
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	773.35	67.15
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	708.52	67.15
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	672.92	67.15
26 56 21 00-0089	Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)			
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.				
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	811.48	67.15
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	820.59	67.15
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	804.85	67.15
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	817.53	67.15
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	817.53	67.15



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0095 Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096 EA 70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	773.91	89.45
26 56 21 00-0097 EA 100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	773.91	89.45
26 56 21 00-0098 EA 175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	725.12	89.45
26 56 21 00-0099 EA 70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	743.82	89.45
26 56 21 00-0100 EA 100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	743.82	89.45
26 56 21 00-0101 EA 150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	689.73	89.45
26 56 21 00-0102 Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	802.81	89.45
26 56 21 00-0104 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	802.81	89.45
26 56 21 00-0105 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	802.81	89.45
26 56 21 00-0106 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	774.12	89.45
26 56 21 00-0107 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	774.12	89.45
26 56 21 00-0108 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	774.12	89.45
26 56 21 00-0109 Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,036.32	89.45
26 56 21 00-0111 Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	975.29	110.80
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0113 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,041.43	110.80
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0114 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,120.28	110.80
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0115 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,141.98	110.80
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0116 Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,060.36	110.80
26 56 21 00-0118 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,134.67	110.80
26 56 21 00-0119 Non-Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120 EA 100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	980.07	134.31
26 56 21 00-0121 EA 175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	901.36	134.31
26 56 21 00-0122 EA 70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	961.85	134.31
26 56 21 00-0123 EA 100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	967.88	134.31
26 56 21 00-0124 EA 150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	974.19	134.31
26 56 21 00-0125 Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126 EA 175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	980.09	134.31
26 56 21 00-0127 EA 250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,006.35	134.31
26 56 21 00-0128 EA 400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,085.06	134.31
26 56 21 00-0129 EA 150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,032.59	134.31
26 56 21 00-0130 EA 250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,058.86	134.31
26 56 21 00-0131 EA 400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,111.28	134.31
26 56 21 00-0132 Semi-Cutoff, Induction Wall Packs (26 56 21 00-0076)		
26 56 21 00-0133 Semi-Cutoff, Induction Wall Packs (Everlast®) (26 56 21 00-0132) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134 EA 70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70).....	1,257.14	125.83
26 56 21 00-0135 EA 80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80).....	1,283.15	133.23
26 56 21 00-0136 EA 100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100).....	1,309.15	140.64
26 56 21 00-0137 EA 120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120).....	1,458.40	148.04
26 56 21 00-0138 Induction, Roadway Lighting (26 56 21)		
26 56 21 00-0139 Induction Roadway Lighting (US Lighting Tech) (26 56 21 00-0138) Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0140 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	706.43	222.07
26 56 21 00-0141 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	772.68	229.47
26 56 21 00-0142 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	802.28	244.27
26 56 21 00-0143 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	831.89	259.08
26 56 21 00-0144 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	965.00	266.48

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0145 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	983.91	273.88
26 56 21 00-0146 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	663.23	222.07
26 56 21 00-0147 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	735.65	229.47
26 56 21 00-0148 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	765.25	244.27
26 56 21 00-0149 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	794.86	259.08
26 56 21 00-0150 Induction, Area Fixtures (26 56 21)		
26 56 21 00-0151 Post Top, Induction Area Fixtures (26 56 21 00-0150)		
26 56 21 00-0152 Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 21 00-0151)		
Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0153 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	778.47	203.56
26 56 21 00-0154 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	838.13	203.56
26 56 21 00-0155 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	838.13	203.56
26 56 21 00-0156 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	838.13	203.56
26 56 21 00-0157 Surface Mount, Induction Parking Structure Fixtures (26 56 21 00-0150)		
26 56 21 00-0158 Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 21 00-0157)		
26 56 21 00-0159 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	707.25	185.05
26 56 21 00-0160 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	749.64	188.75
26 56 21 00-0161 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	761.15	192.45
26 56 21 00-0162 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	772.67	196.16
26 56 21 00-0163 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	784.18	199.86
26 56 21 00-0164 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	799.81	203.56
26 56 21 00-0165 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	820.82	192.45
26 56 21 00-0166 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	832.33	196.16
26 56 21 00-0167 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	843.85	199.86
26 56 21 00-0168 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	876.96	203.56
26 56 21 00-0169 Pole Mount, Induction Area Fixtures (26 56 21 00-0150)		
26 56 21 00-0170 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 21 00-0169)		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0171 EA 70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,313.15	125.83
26 56 21 00-0172 EA 80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,350.37	133.23
26 56 21 00-0173 EA 100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,387.57	140.64

END OF SECTION 26



Communications		27
Common Work Results for Communications		27 05
Grounding and Bonding for Communications Systems		27 05 26

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	1,098.60	137.47
Note: Excludes terminations.				
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,406.68	183.33
Note: Excludes terminations.				
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	2,225.47	274.93
Note: Excludes terminations.				
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit.....	13.27	2.02
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK).....	89.34	36.32
27 05 26 00-0006	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar.....	196.18	36.32
27 05 26 00-0007	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar.....	211.10	36.32
27 05 26 00-0008	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar.....	397.29	36.32
27 05 26 00-0009	EA	#6 AWG, Cable Runway Ground Strap.....	79.05	6.72
27 05 26 00-0010	EA	1/4" Screw Size, #6 AWG Compression Lug.....	28.03	6.72
27 05 26 00-0011	EA	3/8" Screw Size, #6 AWG Compression Lug.....	29.82	6.72
27 05 26 00-0012	EA	Two Mounting Hole, Ground Terminal Block.....	33.15	6.72

27 05 29 Hangers and Supports for Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	10.35	3.36
For >50 To 100, Deduct			-0.43	
For >100 To 250, Deduct			-0.85	
For >250 To 500, Deduct			-1.62	
For >500, Deduct			-2.38	
For Installation On Concrete (Includes Drilling And Fastener), Add			1.78	
For Work In Restricted Working Space, Add			2.02	
For Painted Powder Coated Finish, Add			0.74	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	10.91	3.36
For >50 To 100, Deduct			-0.44	
For >100 To 250, Deduct			-0.88	
For >250 To 500, Deduct			-1.66	
For >500, Deduct			-2.44	
For Installation On Concrete (Includes Drilling And Fastener), Add			1.78	
For Work In Restricted Working Space, Add			2.02	
For Painted Powder Coated Finish, Add			2.58	
For Low Friction Xylan® Coated Finish, Add			9.20	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	11.78	3.36
For >50 To 100, Deduct			-0.46	
For >100 To 250, Deduct			-0.93	
For >250 To 500, Deduct			-1.72	
For >500, Deduct			-2.52	
For Installation On Concrete (Includes Drilling And Fastener), Add			1.78	
For Work In Restricted Working Space, Add			2.02	
For Painted Powder Coated Finish, Add			3.17	
For Low Friction Xylan® Coated Finish, Add			11.44	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	19.31	3.36
For >50 To 100, Deduct			-0.65	
For >100 To 250, Deduct			-1.30	
For >250 To 500, Deduct			-2.29	
For >500, Deduct			-3.28	
For Installation On Concrete (Includes Drilling And Fastener), Add			1.78	
For Work In Restricted Working Space, Add			2.02	
For Painted Powder Coated Finish, Add			1.69	
For Low Friction Xylan® Coated Finish, Add			10.14	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0008 EA 3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	11.67	3.36
For >50 To 100, Deduct	-0.46	
For >100 To 250, Deduct	-0.92	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.51	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.78	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0009 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	15.06	3.36
For >50 To 100, Deduct	-0.54	
For >100 To 250, Deduct	-1.09	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.85	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.78	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0010 EA 2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	16.71	3.36
For >50 To 100, Deduct	-0.59	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-3.02	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.78	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0011 EA 4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	22.61	3.36
For >50 To 100, Deduct	-0.73	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.61	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.78	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013 EA 3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J- Hook) (Cooper B-line BCH12-SC4)	12.30	3.36
For >50 To 100, Deduct	-0.48	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.76	
For >500, Deduct	-2.57	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0014 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J- Hook) (Cooper B-line BCH21-SC4)	14.56	3.36
For >50 To 100, Deduct	-0.53	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.93	
For >500, Deduct	-2.80	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0015 EA 2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	15.73	3.36
For >50 To 100, Deduct	-0.56	
For >100 To 250, Deduct	-1.12	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.92	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0016 EA 4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	21.31	3.36
For >50 To 100, Deduct	-0.70	
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-3.48	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018 EA 3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J- Hook) (Cooper B-line BCH12-A28)	14.77	3.36
For >50 To 100, Deduct	-0.54	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.82	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0019 EA 1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J- Hook) (Cooper B-line BCH21-A28)	18.59	3.36
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-3.20	
For Work In Restricted Working Space, Add	2.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0020	EA		2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28).....	19.59	3.36
			For >50 To 100, Deduct	-0.66	
			For >100 To 250, Deduct	-1.32	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-3.30	
			For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0021			Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
			Note: Excludes threaded rod. See CSI section 26 05 29 00-0403 for threaded rod.		
27 05 29 00-0022	EA		3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	12.00	3.36
			For >50 To 100, Deduct	-0.47	
			For >100 To 250, Deduct	-0.94	
			For >250 To 500, Deduct	-1.74	
			For >500, Deduct	-2.54	
			For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0023	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	12.52	3.36
			For >50 To 100, Deduct	-0.48	
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.78	
			For >500, Deduct	-2.60	
			For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0024	EA		2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	15.16	3.36
			For >50 To 100, Deduct	-0.55	
			For >100 To 250, Deduct	-1.09	
			For >250 To 500, Deduct	-1.98	
			For >500, Deduct	-2.86	
			For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0025			Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
			Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0403 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	14.86	3.36
			For >50 To 100, Deduct	-0.54	
			For >100 To 250, Deduct	-1.08	
			For >250 To 500, Deduct	-1.95	
			For >500, Deduct	-2.83	
			For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0027	EA		2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	16.10	3.36
			For >50 To 100, Deduct	-0.57	
			For >100 To 250, Deduct	-1.14	
			For >250 To 500, Deduct	-2.05	
			For >500, Deduct	-2.95	
			For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0028	EA		4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	22.26	3.36
			For >50 To 100, Deduct	-0.72	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-2.51	
			For >500, Deduct	-3.57	
			For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0029			Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
27 05 29 00-0030	EA		3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	14.69	3.36
			For >50 To 100, Deduct	-0.54	
			For >100 To 250, Deduct	-1.07	
			For >250 To 500, Deduct	-1.94	
			For >500, Deduct	-2.81	
			For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0031	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	16.90	3.36
			For >50 To 100, Deduct	-0.59	
			For >100 To 250, Deduct	-1.18	
			For >250 To 500, Deduct	-2.11	
			For >500, Deduct	-3.03	
			For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0032	EA		2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	18.07	3.36
			For >50 To 100, Deduct	-0.62	
			For >100 To 250, Deduct	-1.24	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-3.15	
			For Work In Restricted Working Space, Add	2.02	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0033 EA 4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	24.50	3.36
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.68	
For >500, Deduct	-3.79	
For Work In Restricted Working Space, Add	2.02	
27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)		
27 05 29 00-0035 EA Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	41.71	4.43
For >50 To 100, Deduct	-1.38	
For >100 To 250, Deduct	-2.76	
For >250 To 500, Deduct	-4.81	
For >500, Deduct	-6.86	
For Installation On Concrete (Includes Drilling And Fastener), Add	3.46	
For Work In Restricted Working Space, Add	4.03	
27 05 29 00-0036 EA Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.54	4.43
For >50 To 100, Deduct	-1.40	
For >100 To 250, Deduct	-2.80	
For >250 To 500, Deduct	-4.87	
For >500, Deduct	-6.94	
For Work In Restricted Working Space, Add	4.03	
27 05 29 00-0037 EA Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	46.84	4.43
For >50 To 100, Deduct	-1.51	
For >100 To 250, Deduct	-3.01	
For >250 To 500, Deduct	-5.19	
For >500, Deduct	-7.37	
For Work In Restricted Working Space, Add	4.03	
27 05 29 00-0038 EA >1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.57	4.43
For >50 To 100, Deduct	-1.38	
For >100 To 250, Deduct	-2.75	
For >250 To 500, Deduct	-4.80	
For >500, Deduct	-6.84	
For Work In Restricted Working Space, Add	4.03	
27 05 29 00-0039 EA Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	43.57	4.43
For >50 To 100, Deduct	-1.43	
For >100 To 250, Deduct	-2.85	
For >250 To 500, Deduct	-4.95	
For >500, Deduct	-7.04	
For Work In Restricted Working Space, Add	4.03	
27 05 29 00-0040 EA >1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	45.54	4.43
For >50 To 100, Deduct	-1.47	
For >100 To 250, Deduct	-2.95	
For >250 To 500, Deduct	-5.09	
For >500, Deduct	-7.24	
For Work In Restricted Working Space, Add	4.03	
27 05 29 00-0041 EA Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.89	4.43
For >50 To 100, Deduct	-1.41	
For >100 To 250, Deduct	-2.82	
For >250 To 500, Deduct	-4.90	
For >500, Deduct	-6.98	
For Work In Restricted Working Space, Add	4.03	

27 05 33 Conduits and Back Boxes for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 39 Surface Raceways for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems (27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems (27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems (27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling (27)

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings (27 10)**27 11 16 Communications Cabinets, Racks, Frames, and Enclosures (27 11)**

See CSI section 26 27 16 00-0000 for cabinets and enclosures.



Communications			27
Structured Cabling			27 10
Communications Equipment Room Fittings			27 11

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards (27 11 16)		
27 11 16 00-0002 EA 4' x 4' x 3/4" Fire Retardant Plywood Backboard For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	102.69 63.06	34.92
27 11 16 00-0003 EA 4' x 8' x 3/4" Fire Retardant Plywood Backboard For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	205.38 126.12	69.84
27 11 16 00-0004 Terminal Cabinets (27 11 16)		
27 11 16 00-0005 EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	411.31	100.73
27 11 16 00-0006 EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	521.40	110.80
27 11 16 00-0007 EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	599.95	127.59
27 11 16 00-0008 EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	622.80	130.95
27 11 16 00-0009 EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	764.46	134.31
27 11 16 00-0010 EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	948.09	151.09
27 11 16 00-0011 EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	971.34	147.74
27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,245.82	210.46
27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,332.06	231.27
27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,613.07	244.31
27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,332.32	201.46
27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,440.86	218.25
27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,795.49	279.76
27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,154.50	349.74
27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,448.68	345.84
27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,810.03	420.78
27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)		
27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)		
Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)		
27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)		
27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	620.31 9.53	214.89
27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	832.62 18.80	228.33
27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	897.47 20.70	241.75
27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0022)		
27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)		
27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	770.06 19.70	188.03
27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	835.81 22.65	191.38
27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	836.17 22.33	194.75
27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	856.99 23.04	198.11
27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	877.59 23.73	201.46
27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	899.79 24.51	204.82
27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	780.22 18.19	208.18
27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	942.99 26.00	211.53
27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	974.70 27.25	214.89
27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	1,002.57 28.30	218.25
27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)..... For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	1,010.36 28.36	221.60
27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31) For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	810.49 21.72	188.03
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20) For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	837.31 22.73	191.38
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19) For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	861.07 23.58	194.75
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00) For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	904.34 25.41	198.11
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01) For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	926.34 26.17	201.46

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02) 950.15 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 27.03		204.82
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03) 831.16 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 20.74		208.18
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05) 996.44 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 28.67		211.53
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15) 1,030.68 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 30.05		214.89
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17) 1,060.76 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 31.21		218.25
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08) 1,068.64 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 31.27		221.60
27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01) 994.87 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 29.60		201.46
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03) 1,046.08 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 31.49		208.18
27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) 809.47 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 21.67		188.03
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) 870.29 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 24.38		191.38
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) 883.80 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 24.72		194.75
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) 903.10 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 25.35		198.11
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) 925.05 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 26.11		201.46
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) 948.80 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 26.96		204.82
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) 971.66 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 27.77		208.18
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) 995.01 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 28.60		211.53
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) 1,029.21 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 29.97		214.89
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) 1,059.21 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 31.14		218.25
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) 1,067.03 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 31.19		221.60
27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) 853.98 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 23.90		188.03
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) 930.66 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 27.39		191.38
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) 942.89 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 27.67		194.75
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) 955.14 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 27.95		198.11
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) 978.67 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 28.79		201.46
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) 1,004.21 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 29.73		204.82
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) 1,028.70 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 30.62		208.18
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) 1,053.76 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 31.53		211.53
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) 1,090.75 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 33.05		214.89
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) 1,123.19 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 34.33		218.25
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) 1,131.27 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 34.40		221.60
27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084 EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03) 1,618.40 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 47.34		335.77
27 11 16 00-0085 EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15) 1,760.18 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 53.09		349.20
27 11 16 00-0086 EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08) 1,894.21 <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i> 58.45		362.62



Communications		27
Structured Cabling		27 10
Communications Equipment Room Fittings		27 11

27

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0087	4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088	EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	1,660.04 49.43	335.77
27 11 16 00-0089	Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090	Horizontal Cable Managers (27 11 16 00-0089)		
27 11 16 00-0091	Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0092	EA 1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	91.30	13.43
27 11 16 00-0093	EA 1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	101.07	13.43
27 11 16 00-0094	EA 1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	77.09	13.43
27 11 16 00-0095	EA 2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	92.77	13.43
27 11 16 00-0096	EA 2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	107.90	13.43
27 11 16 00-0097	EA 2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	84.81	13.43
27 11 16 00-0098	EA 3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	123.26	13.43
27 11 16 00-0099	EA 3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	139.58	13.43
27 11 16 00-0100	EA 3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	100.27	13.43
27 11 16 00-0101	Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0102	EA 1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	112.13	13.43
27 11 16 00-0103	EA 1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	125.02	13.43
27 11 16 00-0104	EA 2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	117.71	13.43
27 11 16 00-0105	EA 2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	136.16	13.43
27 11 16 00-0106	EA 3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	150.79	13.43
27 11 16 00-0107	EA 3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	168.23	13.43
27 11 16 00-0108	Vertical Cable Managers (27 11 16 00-0089)		
27 11 16 00-0109	Single-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0110	EA 3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	200.63	20.15
27 11 16 00-0111	EA 6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	279.83	20.15
27 11 16 00-0112	EA 10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	445.96	20.15
27 11 16 00-0113	EA 12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	503.92	20.15
27 11 16 00-0114	EA 3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	214.15	20.15
27 11 16 00-0115	EA 6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	301.08	20.15
27 11 16 00-0116	EA 10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	484.60	20.15
27 11 16 00-0117	EA 12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	542.55	20.15
27 11 16 00-0118	EA 3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	241.19	20.15
27 11 16 00-0119	EA 6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	330.06	20.15
27 11 16 00-0120	EA 10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	542.55	20.15
27 11 16 00-0121	EA 12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	600.51	20.15
27 11 16 00-0122	Double-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0123	EA 3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	287.56	20.15
27 11 16 00-0124	EA 6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	337.78	20.15
27 11 16 00-0125	EA 10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	542.55	20.15
27 11 16 00-0126	EA 12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	639.14	20.15
27 11 16 00-0127	EA 3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	310.74	20.15
27 11 16 00-0128	EA 6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	360.97	20.15
27 11 16 00-0129	EA 10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	581.19	20.15
27 11 16 00-0130	EA 12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	677.78	20.15
27 11 16 00-0131	EA 3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	341.65	20.15
27 11 16 00-0132	EA 6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	391.87	20.15
27 11 16 00-0133	EA 10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	639.14	20.15
27 11 16 00-0134	EA 12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	735.73	20.15
27 11 16 00-0135	Accessories For Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0136	EA Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	123.45	13.43
27 11 16 00-0137	EA Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	131.18	13.43
27 11 16 00-0138	EA Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	138.90	13.43
27 11 16 00-0139	EA Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	127.31	13.43
27 11 16 00-0140	EA Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	138.90	13.43
27 11 16 00-0141	EA Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	150.49	13.43
27 11 16 00-0142	EA Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	142.77	13.43
27 11 16 00-0143	EA Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	154.36	13.43
27 11 16 00-0144	EA Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	165.95	13.43
27 11 16 00-0145	EA Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	150.49	13.43
27 11 16 00-0146	EA Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	165.95	13.43
27 11 16 00-0147	EA Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	177.54	13.43
27 11 16 00-0148	EA Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	104.13	13.43
27 11 16 00-0149	EA Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	119.59	13.43
27 11 16 00-0150	EA Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	124.80	13.43
27 11 16 00-0151	EA Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	80.95	13.43

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 11 19 Communications Termination Blocks and Patch Panels (27 11)

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

27 11 19 00-0001 Computer Network Components (27 11 19)**27 11 19 00-0002 Ethernet Patch Panels (27 11 19 00-0001)**

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	259.79	67.15
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	366.85	67.15
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	468.15	67.15
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	562.55	67.15
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	877.01	83.94
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,025.70	100.73
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	342.90	67.15
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	373.75	67.15
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	613.20	67.15
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,122.40	100.73
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	809.65	100.73
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	852.00	100.73
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	294.11	67.15
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	47.59	
		<i>For >5 To 10 Cables, Deduct</i>	-8.57	
		<i>For >10 Cables, Deduct</i>	-19.04	
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires	13.09	
		Note: Per each pair		
		<i>For >20 To 40 Pairs, Deduct</i>	-2.09	
		<i>For >40 Pairs, Deduct</i>	-4.97	

27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)**27 11 19 00-0019 Fiber Optic Cable Connector Housings (27 11 19 00-0018)****27 11 19 00-0020 Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)**

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	142.68	30.22
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	206.69	30.22
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	301.39	30.22
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	447.14	50.36
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	615.74	50.36

27 11 19 00-0026 Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	472.30	50.36
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	528.70	50.36
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	568.02	50.36
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	663.03	50.36

27 11 19 00-0031 Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0019)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	574.59	50.36
		<i>For Splice Tray Bracket, Add</i>	82.74	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	670.21	50.36
		<i>For Splice Tray Bracket, Add</i>	90.48	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	831.36	50.36
		<i>For Splice Tray Bracket, Add</i>	329.62	

27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0019)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	968.72	50.36
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,243.02	50.36
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,409.31	50.36
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,833.40	50.36

27 11 19 00-0040 Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0019)

Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	642.01	30.22
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	890.95	50.36
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	934.12	50.36



Communications		27
Structured Cabling		27 10
Communications Equipment Room Fittings		27 11

27

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0044	Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0019) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	671.84	30.22
27 11 19 00-0046	EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	890.42	50.36
27 11 19 00-0047	EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,043.16	50.36
27 11 19 00-0048	Fiber Optic Cable Connector Panels (27 11 19 00-0018)		
27 11 19 00-0049	SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0050	EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	89.22	6.71
27 11 19 00-0051	EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	96.63	6.71
27 11 19 00-0052	EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	108.13	6.71
27 11 19 00-0053	EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	118.01	6.71
27 11 19 00-0054	EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	145.99	6.71
27 11 19 00-0055	EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	160.76	6.71
27 11 19 00-0056	SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0057	EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	85.95	6.71
27 11 19 00-0058	EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	87.69	6.71
27 11 19 00-0059	EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	103.79	6.71
27 11 19 00-0060	EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	106.11	6.71
27 11 19 00-0061	EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	139.47	6.71
27 11 19 00-0062	EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	142.91	6.71
27 11 19 00-0063	LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0064	EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	123.54	6.71
27 11 19 00-0065	EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	135.68	6.71
27 11 19 00-0066	EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	151.40	6.71
27 11 19 00-0067	EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	167.60	6.71
27 11 19 00-0068	EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	152.81	6.71
27 11 19 00-0069	EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	170.25	6.71
27 11 19 00-0070	EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	262.97	6.71
27 11 19 00-0071	EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	295.29	6.71
27 11 19 00-0072	EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	374.49	6.71
27 11 19 00-0073	EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	281.24	6.71
27 11 19 00-0074	ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0075	EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	74.55	6.71
27 11 19 00-0076	EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	80.16	6.71
27 11 19 00-0077	EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	88.58	6.71
27 11 19 00-0078	EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	96.06	6.71
27 11 19 00-0079	EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	116.62	6.71
27 11 19 00-0080	EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	127.85	6.71
27 11 19 00-0081	MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0082	EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	92.11	6.71
27 11 19 00-0083	EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	136.68	6.71
27 11 19 00-0084	Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0048)		
27 11 19 00-0085	EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,073.85	6.71
27 11 19 00-0086	EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,077.58	6.71
27 11 19 00-0087	Fiber Optic Cable Splice Housings (27 11 19 00-0018)		
27 11 19 00-0088	Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087) Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	410.55	67.15
27 11 19 00-0090	Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087) Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	612.06	50.36
27 11 19 00-0092	EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	639.61	50.36
27 11 19 00-0093	Fiber Optic Cable Splice Trays (27 11 19 00-0087)		
27 11 19 00-0094	EA Fiber Optic Cable Splice Tray	118.11	16.78
27 11 19 00-0095	Fiber Optic Cable Jumper Management Panels (27 11 19 00-0018) Note: Includes mounting hardware.		
27 11 19 00-0096	EA Rack Mount, Fiber Optic Cable Jumper Management Panel	224.24	50.36

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 11 19 00-0097		Miscellaneous Accessories (27 11 19 00-0001)			
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	67.26		
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	88.58		
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	97.40		
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel.....	108.86		
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon.....	554.16		67.15
27 11 19 00-0103		Telephone Components (27 11 19)			
27 11 19 00-0104		Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0103)			
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	39.10		13.45
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG.....	73.55		13.45
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG.....	59.45		13.45
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	30.32		13.45
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG.....	21.51		9.41
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG.....	40.59		13.45
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG.....	30.32		13.45
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG.....	21.29		9.41
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG.....	21.14		9.41
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG.....	21.82		9.41
27 11 19 00-0115		Terminal Block Mounting Channel (27 11 19 00-0103)			
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel.....	20.64		6.72
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel.....	26.48		6.72
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel.....	36.72		6.72
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	26.35		8.07
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	36.04		8.07
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	52.00		8.07
27 11 19 00-0122		Outlet Termination Hardware (27 11 19 00-0103)			
27 11 19 00-0123	EA	Telephone Outlet Blocks.....	39.31		6.72
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box.....	112.50		51.03
		Note: Excludes box.			
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead.....	97.79		30.22
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead.....	97.79		30.22
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male.....	57.41		20.15
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	146.51		33.58
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	146.51		33.58
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	176.07		33.58
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	176.07		33.58
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	160.51		33.58
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	1,381.44		167.89
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	68.75		13.43
		Note: Excludes cable terminations.			
27 11 19 00-0135	EA	5-Pair, Connecting Block.....	4.14		1.34
27 11 19 00-0136	EA	4-Pair, Connecting Block.....	4.47		1.34
27 11 19 00-0137	EA	Plastic Label Holder, Transparent.....	16.82		3.36
27 11 19 00-0138	EA	Marked Label, White, 5-Pair.....	4.59		
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair.....	4.59		
27 11 19 00-0140		Terminations in Manhole or Junction Box (27 11 19 00-0103)			
27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box.....	214.89		
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box.....	429.78		
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box.....	859.57		
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box.....	1,289.35		
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box.....	1,508.26		
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box.....	2,261.73		
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box.....	2,844.61		
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box.....	3,556.45		
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box.....	5,334.64		
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box.....	6,469.50		
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box.....	7,373.50		
27 11 23		Communications Cable Management and Ladder Rack (27 11)			
27 11 23 00-0001		Equipment Supports (27 11 23)			
27 11 23 00-0002	EA	Environmental Enclosure, NEMA 4x SS, 6' Free Standing.....	31,390.32		1,058.29
27 11 23 00-0003	EA	DVR Enclosure.....	2,223.19		264.55
27 11 23 00-0004	EA	Wall Mount Type 4X Enclosure 24.00x30.00x8.00 Stainless Steel Type 316.....	8,177.15		529.11
27 11 23 00-0005	EA	Panel, NEMA 12/27.00x21.00.....	598.36		132.27
27 11 23 00-0006	EA	Panel, NEMA 12/8.75x6.88.....	164.79		132.27
27 11 23 00-0007	EA	Clamp Assembly, Fast Opening, Stainless Steel Type 304.....	216.83		132.27
27 11 23 00-0008	EA	Wall-Mount Type 4x Enclosure 24.00x30.00x8.00 Stainless Steel Type 316.....	7,251.22		132.27
27 11 23 00-0009	EA	12" x 5'-11" Tubular Runway.....	131.88		32.23



Communications			27
Structured Cabling			27 10
Communications Equipment Room Fittings			27 11

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 23 00-0010 EA 12" x 9'-11" Tubular Runway	227.37	53.73
27 11 23 00-0011 EA Shelf Bracket Support For Tubular Runway	41.77	10.07
27 11 23 00-0012 EA Straight Clamp Hardware For Tubular Runway	17.90	6.71
27 11 23 00-0013 EA Corner Clamp Hardware For Tubular Runway	19.01	6.71
27 11 23 00-0014 EA 90 Degree Edge Clamp Hardware For Tubular Runway	43.58	12.08
27 11 23 00-0015 EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway	92.70	20.15
27 11 23 00-0016 EA J-Bolt Hardware For Tubular Runway	8.44	2.96
27 11 23 00-0017 EA T Bracket Hardware For Tubular Runway	47.64	16.78
27 11 23 00-0018 EA 110 Jumper Trough (Commscope 107831133)	36.97	6.71
27 11 23 00-0019 LF Velcro CMP	3.30	1.34

27 13 Communications Backbone Cabling (27 10)**27 13 13 Communications Copper Backbone Cabling** (27 13)**27 13 13 13 Communications Copper Cable Splicing and Terminations** (27 13 13)**27 13 13 13-0001 Building Entrance Terminals** (27 13 13 13)

27 13 13 13-0002 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,003.03	294.51
27 13 13 13-0003 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,984.98	490.85
27 13 13 13-0004 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector	5,619.25	785.97

27 13 13 13-0005 Modular Plugs For Copper Communications Cable (27 13 13 13)

27 13 13 13-0006 EA Modular Plug For Non Shielded Copper Communications Cable	33.37	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct		
	-4.02	
For >10, Deduct		
	-8.04	
27 13 13 13-0007 EA Modular Plug For Shielded Copper Communications Cable	38.12	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct		
	-4.52	
For >10, Deduct		
	-9.05	

27 13 13 13-0008 Testing And Certification Of Copper Communications Cable (27 13 13 13)

Note: Use for existing systems.		
27 13 13 13-0009 EA Test 1-Pair Of A Copper Communications Cable For Continuity	6.71	
For >25-Pair, Deduct		
	-2.68	
27 13 13 13-0010 EA Certify 1-Pair Of A Copper Communications Cable	10.07	
For >25-Pair, Deduct		
	-4.02	
27 13 13 13-0011 EA Certify And Document 1-Pair Of A Copper Communications Cable	16.11	
For >25-Pair, Deduct		
	-6.43	
27 13 13 13-0012 EA Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	26.86	
For >25-Pair, Deduct		
	-10.72	
27 13 13 13-0013 EA Certify 4-Pair Category 5-7 Telecommunications Cable	40.29	
For >25-Pair, Deduct		
	-16.08	
27 13 13 13-0014 EA Certify And Document 4-Pair Category 5-7 Telecommunications Cable	64.47	
For >25-Pair, Deduct		
	-25.74	

27 13 13 13-0015 Communications Termination Blocks (27 13 13 13)

27 13 13 13-0016 EA 100-Pair, 110 Block With Legs	65.66	16.78
27 13 13 13-0017 EA 300-Pair, 110 Block With Legs	112.32	16.78
27 13 13 13-0018 EA Clear Label Holder For 110 Wiring Block	14.34	6.71
27 13 13 13-0019 EA 4-Pair, 110C Connecting Block	8.12	3.36
27 13 13 13-0020 EA 5-Pair, 110C Connecting Block	8.29	3.36
27 13 13 13-0021 EA 100-Pair, 110 Jack Panel System	361.80	20.15
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0022 EA 300-Pair, 110 Jack Panel System	590.16	20.15
Note: Includes twelve 8-pin modular jacks and mounting legs.		

27 13 23 Communications Optical Fiber Backbone Cabling (27 13)**27 13 23 13 Communications Optical Fiber Splicing and Terminations** (27 13 23)**27 13 23 13-0001 Fiber Optic Cable Connectors** (27 13 23 13)

27 13 23 13-0002 EA ST Connector For Multimode Fiber Optic Cable	39.78	
27 13 23 13-0003 EA ST Connector For Singlemode Fiber Optic Cable	46.20	
27 13 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable	44.53	
27 13 23 13-0005 EA SC Connector For Singlemode Fiber Optic Cable	52.73	
27 13 23 13-0006 EA LC Connector For Multimode Fiber Optic Cable	61.11	
27 13 23 13-0007 EA LC Connector For Singlemode Fiber Optic Cable	63.02	
27 13 23 13-0008 EA MT-RJ Connector For Multimode Fiber Optic Cable	92.61	

27 13 23 13-0009 Fiber Optic Cable Fan Out Kits (27 13 23 13)**27 13 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable** (27 13 23 13-0009)

27 13 23 13-0011 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	290.28	
27 13 23 13-0012 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	294.42	
27 13 23 13-0013 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	329.36	

27 Communications**27 10 Structured Cabling****27 13 Communications Backbone Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0014 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	355.56	
27 13 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable (27 13 23 13-0009) Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0016 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	341.25	
27 13 23 13-0017 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	369.01	
27 13 23 13-0018 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	539.62	
27 13 23 13-0019 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	701.68	
27 13 23 13-0020 Fiber Optic Cable Splice Closures (27 13 23 13) Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0021 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,029.39	134.31
27 13 23 13-0022 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,297.99	268.62
27 13 23 13-0023 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,297.99	268.62
27 13 23 13-0024 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,717.77	134.31
27 13 23 13-0025 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,986.37	268.62
27 13 23 13-0026 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,986.37	268.62
27 13 23 13-0027 EA Splice Tray For Fiber Optic Cable Splice Closure.....	71.93	16.78
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 13 23 13-0028 Fiber Optic Cable Splicing (27 13 23 13) 27 13 23 13-0029 EA Single Strand, Fusion Splice Of Fiber Optic Cable.....	40.29	
27 13 23 13-0030 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	134.31	
27 13 23 13-0031 Fiber Optic Cable Testing (27 13 23 13) Note: Price based on testing one wavelength.		
27 13 23 13-0032 Fiber Optic Cable Testing Using An OTDR (27 13 23 13-0031) Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0033 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test.....	26.86	
For >12 To 48 Strands, Deduct	-2.01	
For >48 Strands, Deduct	-2.69	
27 13 23 13-0034 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test.....	40.29	
For >12 To 48 Strands, Deduct	-3.02	
For >48 Strands, Deduct	-4.03	
27 13 23 13-0035 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	67.15	
For >12 To 48 Strands, Deduct	-5.04	
For >48 Strands, Deduct	-6.72	
27 13 23 13-0036 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation.....	100.73	
For >12 To 48 Strands, Deduct	-7.55	
For >48 Strands, Deduct	-10.07	
27 13 23 13-0037 Fiber Optic Cable Testing Using A Power Meter (27 13 23 13-0031) 27 13 23 13-0038 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test.....	26.86	
For >12 To 48 Strands, Deduct	-2.01	
For >48 Strands, Deduct	-2.69	
27 13 23 13-0039 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test.....	40.29	
For >12 To 48 Strands, Deduct	-3.02	
For >48 Strands, Deduct	-4.03	
27 13 23 13-0040 Fiber Optic Cable Light Source/Continuity Testing (27 13 23 13-0031) 27 13 23 13-0041 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test.....	26.86	
For >12 To 48 Strands, Deduct	-2.01	
For >48 Strands, Deduct	-2.69	
27 13 23 13-0042 Other Fiber Optic Cable Equipment (27 13 23 13) 27 13 23 13-0043 EA 8 Port Ethernet Switch.....	1,093.79	264.24
27 13 23 13-0044 EA 18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth.....	1,529.29	264.24
Note: Patch antenna with 1 meter 3' SMA-N cable		
27 13 23 13-0045 EA Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge.....	36,912.74	264.24
Note: 8 Volt DC input		
27 13 23 13-0046 EA UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U.....	371.10	33.08
27 13 23 13-0047 EA Hardened Ethernet Switch.....	3,903.45	132.27
27 13 23 13-0048 EA 1,440 Watt, 120 Volt AC Solar Power Station.....	101,060.30	3,174.61
27 13 23 13-0049 EA 2,880 Watt, 120 Volt AC Solar Power Station.....	125,538.81	4,232.82
27 13 23 13-0050 EA Fiber Break Out Box For 24 Fiber.....	1,658.50	264.55
27 13 23 13-0051 EA Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM.....	1,890.89	132.27
27 13 23 13-0052 EA Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers.....	1,585.94	132.27
27 13 23 13-0053 EA Fiber Optic 19" Rack, 115 Volt AC Input.....	2,023.16	198.42
27 13 23 13-0054 EA Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100 Volt AC - 260 Volt AC, Power Module Included. Gigabit Ports: 1 x 1000TX And 1 x 1000LX SM 20KM, (Etherwan Systems).....	1,543.15	
27 13 23 13-0055 EA Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100 Volt AC - 260 Volt AC.....	1,543.15	



Communications			27
Structured Cabling			27 10
Communications Backbone Cabling			27 13

27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 13 23 13-0056			Other Fiber Optic Cable Splicing (27 13 23 13)		
27 13 23 13-0057	EA		Fiber Optic Finger Splice	48.40	25.25
27 13 23 13-0058	EA		Fiber Optic Splice Box - Manholes	8,278.83	

27 15 Communications Horizontal Cabling (27 10)**27 15 13 Communications Copper Horizontal Cabling (27 15)**

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001			Solid Conductor Low Voltage Cable (27 15 13)		
27 15 13 00-0002			Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)		
27 15 13 00-0003			#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0004	MLF		1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,309.98	1,214.85
			For #10 AWG, Add	499.05	
			For Work In Restricted Working Space, Add	607.48	
27 15 13 00-0005	MLF		2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,622.98	1,257.80
			For #10 AWG, Add	592.98	
			For Work In Restricted Working Space, Add	629.08	
27 15 13 00-0006	MLF		3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,902.22	1,301.97
			For #10 AWG, Add	675.72	
			For Work In Restricted Working Space, Add	650.80	
27 15 13 00-0007	MLF		4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,197.00	1,346.15
			For #10 AWG, Add	763.26	
			For Work In Restricted Working Space, Add	673.28	
27 15 13 00-0008	MLF		5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,555.20	1,436.96
			For #10 AWG, Add	861.78	
			For Work In Restricted Working Space, Add	718.69	
27 15 13 00-0009	MLF		6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,887.87	1,526.53
			For #10 AWG, Add	952.16	
			For Work In Restricted Working Space, Add	763.47	
27 15 13 00-0010	MLF		8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,260.61	1,708.15
			For #10 AWG, Add	1,035.97	
			For Work In Restricted Working Space, Add	853.91	
27 15 13 00-0011	MLF		12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,637.86	2,251.76
			For #10 AWG, Add	1,372.71	
			For Work In Restricted Working Space, Add	1,125.66	
27 15 13 00-0012	MLF		24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,369.54	3,325.49
			For #10 AWG, Add	2,041.61	
			For Work In Restricted Working Space, Add	1,662.32	
27 15 13 00-0013			#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0014	MLF		1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,043.10	1,062.69
			For Work In Restricted Working Space, Add	531.22	
27 15 13 00-0015	MLF		2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,337.15	1,100.73
			For Work In Restricted Working Space, Add	550.36	
27 15 13 00-0016	MLF		3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,598.60	1,138.76
			For Work In Restricted Working Space, Add	569.51	
27 15 13 00-0017	MLF		4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,873.70	1,178.03
			For Work In Restricted Working Space, Add	589.02	
27 15 13 00-0018	MLF		5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,203.84	1,257.80
			For Work In Restricted Working Space, Add	628.77	
27 15 13 00-0019	MLF		6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,509.17	1,336.33
			For Work In Restricted Working Space, Add	667.80	
27 15 13 00-0020	MLF		8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,842.31	1,494.63
			For Work In Restricted Working Space, Add	747.32	
27 15 13 00-0021	MLF		12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,084.21	1,969.52
			For Work In Restricted Working Space, Add	984.76	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0022 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	7,552.09 1,454.87	2,909.50
27 15 13 00-0023 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0024 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,821.60 474.53	948.57
27 15 13 00-0025 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,023.07 491.46	982.93
27 15 13 00-0026 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,311.29 508.40	1,017.28
27 15 13 00-0027 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,555.17 526.07	1,051.64
27 15 13 00-0028 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,847.00 561.41	1,122.82
27 15 13 00-0029 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,117.90 596.38	1,192.76
27 15 13 00-0030 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,265.67 631.72	1,263.93
27 15 13 00-0031 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,414.68 667.43	1,335.10
27 15 13 00-0032 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,754.13 709.77	1,419.78
27 15 13 00-0033 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,517.53 879.29	1,758.46
27 15 13 00-0034 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	6,709.73 1,298.97	2,597.81
27 15 13 00-0035 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0036 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,560.90 417.47	835.67
27 15 13 00-0037 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,754.38 432.56	865.12
27 15 13 00-0038 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,927.57 447.65	894.57
27 15 13 00-0039 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,108.51 462.75	925.24
27 15 13 00-0040 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,335.68 494.04	987.83
27 15 13 00-0041 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,547.74 524.96	1,049.19
27 15 13 00-0042 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,797.44 587.18	1,174.36
27 15 13 00-0043 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,699.66 773.82	1,547.39
27 15 13 00-0044 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	5,490.57 1,143.06	2,286.12
27 15 13 00-0045 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0046 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,395.31 379.55	759.58
27 15 13 00-0047 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,551.44 393.17	786.59
27 15 13 00-0048 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,690.56 406.79	814.19



Communications		27	27
Structured Cabling		27 10	
Communications Horizontal Cabling		27 15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0049	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,836.37 420.78	841.80
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0050	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,025.87 448.94	898.25
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0051	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,203.48 477.10	954.70
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0052	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,434.39 533.80	1,067.59
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0053	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,205.92 703.51	1,407.50
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0054	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,755.49 1,039.25	2,078.74
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0055	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,983.44 1,063.91	2,127.82
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0056	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,890.19 1,238.78	2,477.55
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0057	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,314.58 1,326.02	2,651.81
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0058	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,668.73 1,656.97	3,314.45
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0059	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,307.94 2,181.56	4,363.64
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0060		#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0061	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,206.84 341.63	683.51
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0062	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,272.43 353.78	708.05
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0063	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,348.79 366.29	732.59
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0064	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,429.93 378.81	757.13
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0065	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,561.89 404.21	808.67
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0066	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,693.00 428.51	856.53
		<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0067		Triad (27 15 13 00-0002)		
27 15 13 00-0068	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,158.80	1,017.28
27 15 13 00-0069	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,105.71	1,407.50
27 15 13 00-0070	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	6,429.52	2,078.74
27 15 13 00-0071	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	8,021.32	2,477.55
27 15 13 00-0072	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	13,161.71	3,838.43
27 15 13 00-0073	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	15,148.62	4,363.64
27 15 13 00-0074		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)		
27 15 13 00-0075		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)		
27 15 13 00-0076	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,334.90 904.04	2,429.70
		<i>For #10 AWG, Add</i>		
		<i>For Work In Restricted Working Space, Add</i>	1,214.95	
27 15 13 00-0077	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,719.94 1,012.37	2,515.59
		<i>For #10 AWG, Add</i>		
		<i>For Work In Restricted Working Space, Add</i>	1,258.17	
27 15 13 00-0078	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,071.55 1,109.58	2,603.95
		<i>For #10 AWG, Add</i>		
		<i>For Work In Restricted Working Space, Add</i>	1,301.60	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0079	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,441.27	2,692.30
		For #10 AWG, Add	1,212.11	
		For Work In Restricted Working Space, Add	1,346.56	
27 15 13 00-0080	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,950.83	2,873.91
		For #10 AWG, Add	1,340.91	
		For Work In Restricted Working Space, Add	1,437.38	
27 15 13 00-0081	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,432.77	3,053.07
		For #10 AWG, Add	1,461.14	
		For Work In Restricted Working Space, Add	1,526.94	
27 15 13 00-0082	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,106.99	3,416.30
		For #10 AWG, Add	1,605.25	
		For Work In Restricted Working Space, Add	1,707.83	
27 15 13 00-0083	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,390.06	4,503.53
		For #10 AWG, Add	2,123.15	
		For Work In Restricted Working Space, Add	2,251.32	
27 15 13 00-0084	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	13,910.59	6,650.98
		For #10 AWG, Add	3,149.82	
		For Work In Restricted Working Space, Add	3,324.63	
27 15 13 00-0085		#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)		
27 15 13 00-0086	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,813.83	2,125.37
		For Work In Restricted Working Space, Add	1,062.44	
27 15 13 00-0087	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,171.69	2,201.45
		For Work In Restricted Working Space, Add	1,100.72	
27 15 13 00-0088	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,496.94	2,277.53
		For Work In Restricted Working Space, Add	1,139.01	
27 15 13 00-0089	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,837.08	2,356.07
		For Work In Restricted Working Space, Add	1,178.03	
27 15 13 00-0090	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,299.76	2,515.59
		For Work In Restricted Working Space, Add	1,257.55	
27 15 13 00-0091	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,735.17	2,672.66
		For Work In Restricted Working Space, Add	1,335.60	
27 15 13 00-0092	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,333.36	2,989.26
		For Work In Restricted Working Space, Add	1,494.63	
27 15 13 00-0093	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,366.74	3,939.05
		For Work In Restricted Working Space, Add	1,969.52	
27 15 13 00-0094	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,401.66	5,819.00
		For Work In Restricted Working Space, Add	2,909.74	
27 15 13 00-0095		#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)		
27 15 13 00-0096	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,403.36	1,897.12
		For Work In Restricted Working Space, Add	949.05	
27 15 13 00-0097	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,661.27	1,965.84
		For Work In Restricted Working Space, Add	982.92	
27 15 13 00-0098	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,005.94	2,034.56
		For Work In Restricted Working Space, Add	1,016.79	
27 15 13 00-0099	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,308.72	2,103.28
		For Work In Restricted Working Space, Add	1,052.13	
27 15 13 00-0100	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,718.35	2,245.62
		For Work In Restricted Working Space, Add	1,122.81	
27 15 13 00-0101	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,105.84	2,385.52
		For Work In Restricted Working Space, Add	1,192.76	
27 15 13 00-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,371.41	2,527.86
		For Work In Restricted Working Space, Add	1,263.44	
27 15 13 00-0103	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,639.45	2,670.21
		For Work In Restricted Working Space, Add	1,334.86	



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0104	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,120.01 1,419.53	2,839.55
27 15 13 00-0105	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,448.50 1,758.58	3,516.92
27 15 13 00-0106	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,039.62 2,597.93	5,195.62
27 15 13 00-0107 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)				
27 15 13 00-0108	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,952.46 834.93	1,671.34
27 15 13 00-0109	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,196.25 865.12	1,730.24
27 15 13 00-0110	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,419.75 895.31	1,789.14
27 15 13 00-0111	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,650.99 925.49	1,850.50
27 15 13 00-0112	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,982.48 988.08	1,975.66
27 15 13 00-0113	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,297.60 1,049.92	2,098.38
27 15 13 00-0114	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,754.69 1,174.35	2,348.70
27 15 13 00-0115	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,279.06 1,547.64	3,094.79
27 15 13 00-0116	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,300.76 2,286.11	4,572.24
27 15 13 00-0117 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)				
27 15 13 00-0118	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,660.47 759.10	1,519.18
27 15 13 00-0119	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,862.01 786.34	1,573.16
27 15 13 00-0120	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,046.53 813.58	1,628.39
27 15 13 00-0121	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,238.96 841.56	1,683.60
27 15 13 00-0122	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,522.34 897.88	1,796.50
27 15 13 00-0123	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,793.83 954.21	1,909.39
27 15 13 00-0124	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,213.71 1,067.59	2,135.18
27 15 13 00-0125	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,550.94 1,407.01	2,815.01
27 15 13 00-0126	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,219.62 2,078.48	4,157.47
27 15 13 00-0127	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,529.80 2,127.82	4,255.65
27 15 13 00-0128	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,019.45 2,477.56	4,955.10
27 15 13 00-0129	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,734.64 2,652.04	5,303.60
27 15 13 00-0130	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,191.95 3,313.94	6,628.89

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0131 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	17,579.78 4,363.11	8,727.26
27 15 13 00-0132 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed (27 15 13 00-0074)		
27 15 13 00-0133 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,345.61 683.26	1,367.01
27 15 13 00-0134 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,451.69 707.56	1,416.09
27 15 13 00-0135 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,569.77 732.59	1,465.18
27 15 13 00-0136 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,692.63 757.62	1,514.27
27 15 13 00-0137 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,909.28 808.43	1,617.34
27 15 13 00-0138 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,121.36 857.02	1,713.05
27 15 13 00-0139 Triad, Installed Exposed (27 15 13 00-0074)		
27 15 13 00-0140 MLF 1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,158.80	1,017.28
27 15 13 00-0141 MLF 4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,105.71	1,407.50
27 15 13 00-0142 MLF 8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,429.52	2,078.74
27 15 13 00-0143 MLF 12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	8,021.32	2,477.55
27 15 13 00-0144 MLF 24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	13,161.71	3,838.43
27 15 13 00-0145 MLF 36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	15,148.62	4,363.64
27 15 13 00-0146 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)		
27 15 13 00-0147 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)		
27 15 13 00-0148 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,984.86 531.22	1,062.69
27 15 13 00-0149 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,229.68 550.36	1,100.73
27 15 13 00-0150 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,448.87 569.51	1,138.76
27 15 13 00-0151 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,679.05 589.02	1,178.03
27 15 13 00-0152 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,964.49 628.04	1,256.56
27 15 13 00-0153 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,233.57 667.43	1,335.10
27 15 13 00-0154 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,553.37 747.32	1,494.63
27 15 13 00-0155 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	4,698.96 984.76	1,969.52
27 15 13 00-0156 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	6,974.22 1,454.87	2,909.50
27 15 13 00-0157 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)		
27 15 13 00-0158 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,770.31 474.53	948.57
27 15 13 00-0159 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,986.16 491.46	982.93
27 15 13 00-0160 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,179.43 508.40	1,017.28
27 15 13 00-0161 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,383.76 526.07	1,051.64



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0162	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,637.16 561.04	1,121.58
27 15 13 00-0163	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,876.28 596.38	1,192.76
27 15 13 00-0164	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,017.65 631.72	1,263.93
27 15 13 00-0165	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,220.71 667.43	1,335.10
27 15 13 00-0166	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,527.70 709.73	1,419.78
27 15 13 00-0167	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	4,178.28 879.29	1,758.46
27 15 13 00-0168	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	6,201.45 1,299.15	2,597.81
27 15 13 00-0169		#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)		
27 15 13 00-0170	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,548.92 417.47	834.44
27 15 13 00-0171	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,724.05 432.56	865.12
27 15 13 00-0172	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,839.47 447.65	895.80
27 15 13 00-0173	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,987.48 462.75	925.24
27 15 13 00-0174	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,178.60 494.04	987.83
27 15 13 00-0175	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,368.52 524.96	1,050.41
27 15 13 00-0176	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,803.81 587.18	1,174.36
27 15 13 00-0177	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,653.24 773.82	1,547.39
27 15 13 00-0178	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	4,983.05 1,143.06	2,286.12
27 15 13 00-0179		#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)		
27 15 13 00-0180	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,376.25 379.55	759.58
27 15 13 00-0181	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,499.93 393.17	786.59
27 15 13 00-0182	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,755.22 447.65	895.80
27 15 13 00-0183	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,910.50 470.84	941.69
27 15 13 00-0184	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,062.99 494.04	987.83
27 15 13 00-0185	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,231.91 524.96	1,050.41
27 15 13 00-0186	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,463.65 584.60	1,168.95
27 15 13 00-0187	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,021.83 703.51	1,407.50
27 15 13 00-0188	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	4,479.37 1,039.25	2,078.74

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0189 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,676.15	2,127.82
<i>For Work In Restricted Working Space, Add</i>	1,063.91	
27 15 13 00-0190 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,513.66	2,477.55
<i>For Work In Restricted Working Space, Add</i>	1,238.78	
27 15 13 00-0191 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,909.48	2,651.81
<i>For Work In Restricted Working Space, Add</i>	1,326.02	
27 15 13 00-0192 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,209.97	3,314.45
<i>For Work In Restricted Working Space, Add</i>	1,656.97	
27 15 13 00-0193 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,658.74	4,363.64
<i>For Work In Restricted Working Space, Add</i>	2,181.56	
27 15 13 00-0194 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)		
27 15 13 00-0195 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,212.41	683.51
<i>For Work In Restricted Working Space, Add</i>	341.63	
27 15 13 00-0196 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,280.04	708.05
<i>For Work In Restricted Working Space, Add</i>	353.78	
27 15 13 00-0197 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,364.28	732.59
<i>For Work In Restricted Working Space, Add</i>	366.29	
27 15 13 00-0198 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,454.82	757.13
<i>For Work In Restricted Working Space, Add</i>	378.81	
27 15 13 00-0199 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,585.15	808.67
<i>For Work In Restricted Working Space, Add</i>	404.21	
27 15 13 00-0200 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,721.69	856.53
<i>For Work In Restricted Working Space, Add</i>	428.51	
27 15 13 00-0201 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)		
27 15 13 00-0202 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)		
27 15 13 00-0203 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,755.59	2,125.37
<i>For Work In Restricted Working Space, Add</i>	1,062.44	
27 15 13 00-0204 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,064.22	2,201.45
<i>For Work In Restricted Working Space, Add</i>	1,100.72	
27 15 13 00-0205 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,347.22	2,277.53
<i>For Work In Restricted Working Space, Add</i>	1,139.01	
27 15 13 00-0206 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,642.43	2,356.07
<i>For Work In Restricted Working Space, Add</i>	1,178.03	
27 15 13 00-0207 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,057.96	2,513.14
<i>For Work In Restricted Working Space, Add</i>	1,256.08	
27 15 13 00-0208 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,458.33	2,670.21
<i>For Work In Restricted Working Space, Add</i>	1,334.86	
27 15 13 00-0209 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,044.42	2,989.26
<i>For Work In Restricted Working Space, Add</i>	1,494.63	
27 15 13 00-0210 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,981.49	3,939.05
<i>For Work In Restricted Working Space, Add</i>	1,969.52	
27 15 13 00-0211 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,823.79	5,819.00
<i>For Work In Restricted Working Space, Add</i>	2,909.74	
27 15 13 00-0212 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)		
27 15 13 00-0213 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,352.07	1,897.12
<i>For Work In Restricted Working Space, Add</i>	949.05	
27 15 13 00-0214 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,624.36	1,965.84
<i>For Work In Restricted Working Space, Add</i>	982.92	



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0215	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,874.08	2,034.56
		<i>For Work In Restricted Working Space, Add</i>	1,016.79	
27 15 13 00-0216	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,137.31	2,103.28
		<i>For Work In Restricted Working Space, Add</i>	1,052.13	
27 15 13 00-0217	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,507.28	2,243.17
		<i>For Work In Restricted Working Space, Add</i>	1,122.08	
27 15 13 00-0218	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,864.22	2,385.52
		<i>For Work In Restricted Working Space, Add</i>	1,192.76	
27 15 13 00-0219	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,123.39	2,527.86
		<i>For Work In Restricted Working Space, Add</i>	1,263.44	
27 15 13 00-0220	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,445.48	2,670.21
		<i>For Work In Restricted Working Space, Add</i>	1,334.86	
27 15 13 00-0221	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,893.46	2,839.55
		<i>For Work In Restricted Working Space, Add</i>	1,419.46	
27 15 13 00-0222	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,109.25	3,516.92
		<i>For Work In Restricted Working Space, Add</i>	1,758.58	
27 15 13 00-0223	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,531.94	5,195.62
		<i>For Work In Restricted Working Space, Add</i>	2,598.29	
27 15 13 00-0224 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)				
27 15 13 00-0225	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,940.48	1,668.88
		<i>For Work In Restricted Working Space, Add</i>	834.93	
27 15 13 00-0226	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,165.92	1,730.24
		<i>For Work In Restricted Working Space, Add</i>	865.12	
27 15 13 00-0227	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,331.65	1,791.59
		<i>For Work In Restricted Working Space, Add</i>	895.31	
27 15 13 00-0228	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,529.96	1,850.50
		<i>For Work In Restricted Working Space, Add</i>	925.49	
27 15 13 00-0229	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,825.40	1,975.66
		<i>For Work In Restricted Working Space, Add</i>	988.08	
27 15 13 00-0230	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,118.38	2,100.82
		<i>For Work In Restricted Working Space, Add</i>	1,049.92	
27 15 13 00-0231	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,761.06	2,348.70
		<i>For Work In Restricted Working Space, Add</i>	1,174.35	
27 15 13 00-0232	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,232.64	3,094.79
		<i>For Work In Restricted Working Space, Add</i>	1,547.64	
27 15 13 00-0233	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,793.24	4,572.24
		<i>For Work In Restricted Working Space, Add</i>	2,286.11	
27 15 13 00-0234 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)				
27 15 13 00-0235	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,641.41	1,519.18
		<i>For Work In Restricted Working Space, Add</i>	759.10	
27 15 13 00-0236	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,810.50	1,573.16
		<i>For Work In Restricted Working Space, Add</i>	786.34	
27 15 13 00-0237	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,247.40	1,791.59
		<i>For Work In Restricted Working Space, Add</i>	895.31	
27 15 13 00-0238	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,479.98	1,883.38
		<i>For Work In Restricted Working Space, Add</i>	941.69	
27 15 13 00-0239	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,709.79	1,975.66
		<i>For Work In Restricted Working Space, Add</i>	988.08	
27 15 13 00-0240	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,981.77	2,100.82
		<i>For Work In Restricted Working Space, Add</i>	1,049.92	
27 15 13 00-0241	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,412.32	2,337.91
		<i>For Work In Restricted Working Space, Add</i>	1,169.20	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0242 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,366.85 1,407.01	2,815.01
27 15 13 00-0243 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,943.50 2,078.48	4,157.47
27 15 13 00-0244 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,222.51 2,127.82	4,255.65
27 15 13 00-0245 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,642.92 2,477.56	4,955.10
27 15 13 00-0246 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,329.54 2,652.04	5,303.60
27 15 13 00-0247 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,733.19 3,313.94	6,628.89
27 15 13 00-0248 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,930.58 4,363.11	8,727.26
27 15 13 00-0249 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)		
27 15 13 00-0250 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,351.18 683.26	1,367.01
27 15 13 00-0251 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,459.30 707.56	1,416.09
27 15 13 00-0252 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,585.26 732.59	1,465.18
27 15 13 00-0253 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,717.52 757.62	1,514.27
27 15 13 00-0254 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,932.54 808.43	1,617.34
27 15 13 00-0255 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,150.05 857.02	1,713.05
27 15 13 00-0256 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench (27 15 13 00-0001) Note: Excludes excavation.		
27 15 13 00-0257 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,865.68	
27 15 13 00-0258 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,151.83	
27 15 13 00-0259 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,406.84	
27 15 13 00-0260 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,675.99	
27 15 13 00-0261 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,992.53	
27 15 13 00-0262 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,285.49	
27 15 13 00-0263 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) (27 15 13 00-0001)		
27 15 13 00-0264 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,976.12	651.06
27 15 13 00-0265 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,328.05	697.52
27 15 13 00-0266 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,007.80	881.80
27 15 13 00-0267 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,579.36	1,019.91
27 15 13 00-0268 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,843.67	1,162.48
27 15 13 00-0269 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	12,922.10	1,485.16
27 15 13 00-0270 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)		
27 15 13 00-0271 MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,773.40	948.57
27 15 13 00-0272 MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,090.95	982.93
27 15 13 00-0273 MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,317.63	1,017.28
27 15 13 00-0274 MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,444.45	1,051.64
27 15 13 00-0275 MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,890.05	1,121.58
27 15 13 00-0276 MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,119.80	1,192.76
27 15 13 00-0277 MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,854.66	1,335.10



Communications		27
Structured Cabling		27 10
Communications Horizontal Cabling		27 15

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0278	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,820.15	1,758.46
27 15 13 00-0279	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,296.00	2,597.81
27 15 13 00-0280	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,537.07	834.44
27 15 13 00-0281	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,798.37	865.12
27 15 13 00-0282	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,016.19	895.80
27 15 13 00-0283	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,128.98	925.24
27 15 13 00-0284	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,510.33	987.83
27 15 13 00-0285	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,800.18	1,050.41
27 15 13 00-0286	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,159.22	1,174.36
27 15 13 00-0287	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,091.65	1,547.39
27 15 13 00-0288	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,477.90	2,286.12
27 15 13 00-0289	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,364.76	759.58
27 15 13 00-0290	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,533.31	786.59
27 15 13 00-0291	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,696.92	813.58
27 15 13 00-0292	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,803.74	841.80
27 15 13 00-0293	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,958.40	898.25
27 15 13 00-0294	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,129.90	954.70
27 15 13 00-0295	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,385.10	1,067.59
27 15 13 00-0296	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,268.63	1,407.50
27 15 13 00-0297	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,947.79	2,078.74
27 15 13 00-0298	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,197.32	2,127.82
27 15 13 00-0299	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,116.84	2,477.55
27 15 13 00-0300	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,596.71	2,651.81
27 15 13 00-0301	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,988.23	3,314.45
27 15 13 00-0302	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,760.06	4,363.64
27 15 13 00-0303	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	20,644.69	8,037.62
27 15 13 00-0304	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	30,717.99	10,636.66
27 15 13 00-0305	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	40,861.06	13,403.81
27 15 13 00-0306	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	57,386.61	18,385.91
27 15 13 00-0307	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,328.88	759.58
27 15 13 00-0308	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,453.05	786.59
27 15 13 00-0309	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,574.07	813.58
27 15 13 00-0310	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,659.20	841.80
27 15 13 00-0311	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,792.18	898.25
27 15 13 00-0312	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,935.48	954.70
27 15 13 00-0313	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,166.82	1,067.59
27 15 13 00-0314	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,935.83	1,407.50
27 15 13 00-0315	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,413.20	2,078.74
27 15 13 00-0316	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,602.44	2,127.82
27 15 13 00-0317	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,423.44	2,477.55
27 15 13 00-0318	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,812.42	2,651.81
27 15 13 00-0319	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,100.04	3,314.45

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0320	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,503.19	4,363.64
27 15 13 00-0321	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	17,984.81	8,037.62
27 15 13 00-0322	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	26,021.92	10,636.66
27 15 13 00-0323	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	34,167.33	13,403.81
27 15 13 00-0324	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	47,722.99	18,385.91
27 15 13 00-0325 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)				
27 15 13 00-0326	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,804.95	948.57
27 15 13 00-0327	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,038.42	982.93
27 15 13 00-0328	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,187.23	1,017.28
27 15 13 00-0329	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,383.44	1,051.64
27 15 13 00-0330	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,625.62	1,121.58
27 15 13 00-0331	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,865.34	1,192.76
27 15 13 00-0332	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,425.42	1,335.10
27 15 13 00-0333	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,455.50	1,758.46
27 15 13 00-0334	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,639.45	2,597.81
27 15 13 00-0335	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,581.27	834.44
27 15 13 00-0336	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,782.05	865.12
27 15 13 00-0337	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,910.86	895.80
27 15 13 00-0338	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,078.95	925.24
27 15 13 00-0339	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,287.92	987.83
27 15 13 00-0340	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,495.68	1,050.41
27 15 13 00-0341	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,977.81	1,174.36
27 15 13 00-0342	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,874.74	1,547.39
27 15 13 00-0343	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,772.81	2,286.12
27 15 13 00-0344	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,399.08	759.58
27 15 13 00-0345	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,572.24	786.59
27 15 13 00-0346	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,696.15	813.58
27 15 13 00-0347	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,914.25	841.80
27 15 13 00-0348	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,115.89	898.25
27 15 13 00-0349	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,486.83	954.70
27 15 13 00-0350	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,779.87	1,067.59
27 15 13 00-0351	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,530.29	1,407.50
27 15 13 00-0352	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,311.32	2,078.74
27 15 13 00-0353	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,600.76	2,127.82
27 15 13 00-0354	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,646.83	2,477.55
27 15 13 00-0355	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,128.62	2,651.81
27 15 13 00-0356	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,590.59	3,314.45
27 15 13 00-0357	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	11,612.47	4,363.64
27 15 13 00-0358	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	22,449.23	8,037.62
27 15 13 00-0359	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	33,903.65	10,636.66
27 15 13 00-0360	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	45,401.34	13,403.81



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0361 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	63,941.35	18,384.69
27 15 13 00-0362 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,350.82	759.58
27 15 13 00-0363 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,477.96	786.59
27 15 13 00-0364 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,573.58	813.58
27 15 13 00-0365 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,729.89	841.80
27 15 13 00-0366 MLF 5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,892.92	898.25
27 15 13 00-0367 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,163.81	954.70
27 15 13 00-0368 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,419.36	1,067.59
27 15 13 00-0369 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,103.21	1,407.50
27 15 13 00-0370 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,645.74	2,078.74
27 15 13 00-0371 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,860.52	2,127.82
27 15 13 00-0372 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,739.69	2,477.55
27 15 13 00-0373 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,152.67	2,651.81
27 15 13 00-0374 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,485.35	3,314.45
27 15 13 00-0375 MLF 100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,048.45	4,363.64
27 15 13 00-0376 MLF 250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	19,139.05	8,037.62
27 15 13 00-0377 MLF 500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	28,059.77	10,636.66
27 15 13 00-0378 MLF 750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	37,072.09	13,403.81
27 15 13 00-0379 MLF 1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	51,916.80	18,385.91
27 15 13 00-0380 Copper Telecommunications Cable (27 15 13)		
27 15 13 00-0381 Indoor Telecommunications Cable (27 15 13 00-0380) Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.		
27 15 13 00-0382 Category 3, Indoor Telecommunications Cable (27 15 13 00-0381) Note: Un-shielded twisted pair cables (UTP).		
27 15 13 00-0383 Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0382)		
27 15 13 00-0384 24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)		
27 15 13 00-0385 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0384)		
27 15 13 00-0386 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,050.96	564.09
27 15 13 00-0387 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,098.25	564.09
27 15 13 00-0388 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,114.96	564.09
27 15 13 00-0389 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,343.36	644.68
27 15 13 00-0390 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,691.47	644.68
27 15 13 00-0391 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,244.20	644.68
27 15 13 00-0392 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,557.86	805.84
27 15 13 00-0393 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	6,419.12	1,289.35
27 15 13 00-0394 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	8,664.75	1,450.52
27 15 13 00-0395 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	11,483.66	1,611.68
27 15 13 00-0396 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	16,787.19	2,256.36
27 15 13 00-0397 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	21,987.54	2,788.21
27 15 13 00-0398 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	34,791.36	3,868.04
27 15 13 00-0399 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	56,642.73	7,736.08
27 15 13 00-0400 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	77,107.66	11,604.11
27 15 13 00-0401 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0384)		
27 15 13 00-0402 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... For Work In Restricted Working Space, Add	1,991.11 564.09	1,128.17
27 15 13 00-0403 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... For Work In Restricted Working Space, Add	2,038.40 564.09	1,128.17
27 15 13 00-0404 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... For Work In Restricted Working Space, Add	2,055.11 564.09	1,128.17
27 15 13 00-0405 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... For Work In Restricted Working Space, Add	2,149.20 564.09	1,128.17
27 15 13 00-0406 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... For Work In Restricted Working Space, Add	2,497.31 564.09	1,128.17

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0407 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,318.65 644.67	1,289.35
27 15 13 00-0408 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,900.93 805.84	1,611.68
27 15 13 00-0409 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,493.58 967.01	1,934.02
27 15 13 00-0410 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,873.51 1,087.88	2,175.78
27 15 13 00-0411 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,826.73 1,208.76	2,417.52
27 15 13 00-0412 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	18,667.49 1,692.27	3,384.53
27 15 13 00-0413 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	24,324.48 2,095.19	4,190.37
27 15 13 00-0414 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	38,014.73 2,901.03	5,802.06
27 15 13 00-0415 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	63,089.47 5,802.06	11,604.11
27 15 13 00-0416 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	86,777.77 8,703.09	17,406.18
27 15 13 00-0417 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)		
27 15 13 00-0418 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0417)		
27 15 13 00-0419 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,620.92	644.68
27 15 13 00-0420 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,385.24	805.84
27 15 13 00-0421 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,825.54	1,289.35
27 15 13 00-0422 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,416.98	1,611.68
27 15 13 00-0423 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	25,610.93	2,256.36
27 15 13 00-0424 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	33,352.32	2,788.21
27 15 13 00-0425 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	49,436.57	3,868.04
27 15 13 00-0426 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0417)		
27 15 13 00-0427 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,695.37 644.67	1,289.35
27 15 13 00-0428 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,728.31 805.84	1,611.68
27 15 13 00-0429 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,900.00 967.01	1,934.02
27 15 13 00-0430 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	18,760.05 1,208.76	2,417.52
27 15 13 00-0431 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	27,491.23 1,692.27	3,384.53
27 15 13 00-0432 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	35,689.26 2,095.19	4,190.37
27 15 13 00-0433 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	52,659.94 2,901.03	5,802.06
27 15 13 00-0434 Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0382)		
27 15 13 00-0435 24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0434)		
27 15 13 00-0436 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0435)		
27 15 13 00-0437 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,089.20	564.09
27 15 13 00-0438 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,136.30	564.09
27 15 13 00-0439 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,171.52	564.09
27 15 13 00-0440 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,406.88	644.68
27 15 13 00-0441 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,786.34	644.68
27 15 13 00-0442 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,814.93	644.68
27 15 13 00-0443 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,719.82	805.84
27 15 13 00-0444 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,853.73	1,289.35
27 15 13 00-0445 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,298.84	1,611.68
27 15 13 00-0446 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,918.73	2,256.36
27 15 13 00-0447 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0435)		
27 15 13 00-0448 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,029.35 564.09	1,128.17
27 15 13 00-0449 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,076.45 564.09	1,128.17
27 15 13 00-0450 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,111.67 564.09	1,128.17
27 15 13 00-0451 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,212.72 564.09	1,128.17



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0452	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,592.18 564.09	1,128.17
27 15 13 00-0453	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,889.38 644.67	1,289.35
27 15 13 00-0454	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,062.89 805.84	1,611.68
27 15 13 00-0455	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,928.19 967.01	1,934.02
27 15 13 00-0456	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	16,641.91 1,208.76	2,417.52
27 15 13 00-0457	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	24,799.03 1,692.27	3,384.53
27 15 13 00-0458		Category 5E, Indoor Telecommunications Cable (27 15 13 00-0381)		
27 15 13 00-0459		Category 5E, Indoor Telecommunications Riser Cable (27 15 13 00-0458)		
27 15 13 00-0460		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0459)		
27 15 13 00-0461	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,127.14	564.09
27 15 13 00-0462	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,170.94	564.09
27 15 13 00-0463	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,306.09	644.68
27 15 13 00-0464	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,349.87	644.68
27 15 13 00-0465		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0459)		
27 15 13 00-0466	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,067.29 564.09	1,128.17
27 15 13 00-0467	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,111.09 564.09	1,128.17
27 15 13 00-0468	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,380.54 644.67	1,289.35
27 15 13 00-0469	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,424.32 644.67	1,289.35
27 15 13 00-0470		Category 5E, Indoor Telecommunications Plenum Cable (27 15 13 00-0458)		
27 15 13 00-0471		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0470)		
27 15 13 00-0472	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,288.20	564.09
27 15 13 00-0473	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,764.74	644.68
27 15 13 00-0474		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0470)		
27 15 13 00-0475	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,228.35 564.09	1,128.17
27 15 13 00-0476	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,839.19 644.67	1,289.35
27 15 13 00-0477		Category 6, Indoor Telecommunications Cable (27 15 13 00-0381)		
27 15 13 00-0478		Category 6, Indoor Telecommunications Riser Cable (27 15 13 00-0477)		
27 15 13 00-0479		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0478)		
27 15 13 00-0480	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,233.63	564.09
27 15 13 00-0481	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,266.44	564.09
27 15 13 00-0482		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0478)		
27 15 13 00-0483	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,173.78 564.09	1,128.17
27 15 13 00-0484	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,206.59 564.09	1,128.17
27 15 13 00-0485		Category 6, Indoor Telecommunications Plenum Cable (27 15 13 00-0477)		
27 15 13 00-0486		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0485)		
27 15 13 00-0487	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,461.87	564.09
27 15 13 00-0488		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0485)		
27 15 13 00-0489	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,402.02 564.09	1,128.17
27 15 13 00-0490		Category 6A, Indoor Telecommunications Cable (27 15 13 00-0381)		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0491	Category 6a, Indoor Telecommunications Riser Cable ^(27 15 13 00-0490)		
27 15 13 00-0492	Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit ^(27 15 13 00-0491)		
27 15 13 00-0493	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,286.06	564.09
27 15 13 00-0494	Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 15 13 00-0491)		
27 15 13 00-0495	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,226.21 564.09	1,128.17
27 15 13 00-0496	Category 6A, Indoor Telecommunications Plenum Cable ^(27 15 13 00-0490)		
27 15 13 00-0497	Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 15 13 00-0496)		
27 15 13 00-0498	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,597.47	564.09
27 15 13 00-0499	Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 15 13 00-0496)		
27 15 13 00-0500	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,537.62 564.09	1,128.17
27 15 13 00-0501	Category 7, Indoor Telecommunications Cable ^(27 15 13 00-0381)		
27 15 13 00-0502	Category 7, Indoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0501)		
27 15 13 00-0503	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,407.97	644.68
27 15 13 00-0504	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	3,918.73	644.68
27 15 13 00-0505	Category 7, Indoor Telecommunications Cable, Installed Exposed ^(27 15 13 00-0501)		
27 15 13 00-0506	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,482.42 644.67	1,289.35
27 15 13 00-0507	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,993.18 644.67	1,289.35
27 15 13 00-0508	Outdoor Telecommunications Cable ^(27 15 13 00-0380)		
Note: Cable buried in trench excludes excavation.			
27 15 13 00-0509	PE-89 Outdoor Telecommunications Cable ^(27 15 13 00-0508)		
Note: Includes foam-skin polyolefin insulated conductors.			
27 15 13 00-0510	24 AWG, PE-89 Outdoor Telecommunications Cable ^(27 15 13 00-0509)		
27 15 13 00-0511	24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0510)		
27 15 13 00-0512	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,086.44	644.68
27 15 13 00-0513	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,514.48	1,128.17
27 15 13 00-0514	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,570.85	725.26
27 15 13 00-0515	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	5,461.77	805.84
27 15 13 00-0516	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	7,744.96	1,128.17
27 15 13 00-0517	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	9,763.59	1,289.35
27 15 13 00-0518	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	16,866.88	1,450.52
27 15 13 00-0519	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	24,799.88	2,095.19
27 15 13 00-0520	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	32,865.89	2,739.86
27 15 13 00-0521	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	44,637.01	3,706.88
27 15 13 00-0522	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	70,284.20	7,413.74
27 15 13 00-0523	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	95,955.44	10,959.44
27 15 13 00-0524	24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0510)		
27 15 13 00-0525	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,884.97	
27 15 13 00-0526	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,313.01	
27 15 13 00-0527	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,302.24	
27 15 13 00-0528	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,193.16	
27 15 13 00-0529	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,342.03	
27 15 13 00-0530	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	9,092.05	
27 15 13 00-0531	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	16,598.27	
27 15 13 00-0532	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	23,994.04	
27 15 13 00-0533	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	31,187.06	
27 15 13 00-0534	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	41,682.26	
27 15 13 00-0535	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	62,225.79	
27 15 13 00-0536	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	84,136.43	
27 15 13 00-0537	22 AWG, PE-89 Outdoor Telecommunications Cable ^(27 15 13 00-0509)		
27 15 13 00-0538	22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0537)		



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0539 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,358.56	644.68
27 15 13 00-0540 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,022.87	644.68
27 15 13 00-0541 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,611.50	725.26
27 15 13 00-0542 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	7,314.00	805.84
27 15 13 00-0543 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	10,639.48	1,128.17
27 15 13 00-0544 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	13,698.63	1,289.35
27 15 13 00-0545 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	24,458.12	1,450.52
27 15 13 00-0546 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	35,626.51	2,095.19
27 15 13 00-0547 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	47,461.12	2,739.86
27 15 13 00-0548 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	70,124.87	3,706.88
27 15 13 00-0549 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	102,473.26	7,413.74
27 15 13 00-0550 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	144,113.24	10,959.44
27 15 13 00-0551 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0537)		
27 15 13 00-0552 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,157.09	
27 15 13 00-0553 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,821.40	
27 15 13 00-0554 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,342.89	
27 15 13 00-0555 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,045.39	
27 15 13 00-0556 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	10,236.55	
27 15 13 00-0557 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	13,295.71	
27 15 13 00-0558 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	24,189.51	
27 15 13 00-0559 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	34,820.67	
27 15 13 00-0560 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	45,782.29	
27 15 13 00-0561 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	67,170.12	
27 15 13 00-0562 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	94,414.85	
27 15 13 00-0563 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	132,294.23	
27 15 13 00-0564 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0509)		
27 15 13 00-0565 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	7,819.60	725.26
27 15 13 00-0566 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	13,584.80	805.84
27 15 13 00-0567 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	21,794.08	1,128.17
27 15 13 00-0568 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	26,119.27	1,289.35
27 15 13 00-0570 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0564)		
27 15 13 00-0571 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,550.99	
27 15 13 00-0572 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	13,316.19	
27 15 13 00-0573 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	21,391.15	
27 15 13 00-0574 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	25,716.35	
27 15 13 00-0575 PE-39 Outdoor Telecommunications Cable (27 15 13 00-0508)		
Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0576 24 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)		
27 15 13 00-0577 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0576)		
27 15 13 00-0578 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,930.54	1,128.17
27 15 13 00-0579 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,454.20	1,128.17
27 15 13 00-0580 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	4,510.66	1,128.17
27 15 13 00-0581 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	6,413.14	1,128.17
27 15 13 00-0582 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	10,271.65	1,128.17
27 15 13 00-0583 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	18,643.10	1,450.52
27 15 13 00-0584 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	27,222.72	2,095.19
27 15 13 00-0585 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	35,818.10	2,739.86
27 15 13 00-0586 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	48,947.47	3,706.88
27 15 13 00-0587 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	75,858.68	7,413.74
27 15 13 00-0588 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	110,413.40	10,959.44
27 15 13 00-0589 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0576)		
27 15 13 00-0590 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,527.61	
27 15 13 00-0591 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,051.27	
27 15 13 00-0592 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	4,107.73	
27 15 13 00-0593 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	6,010.21	
27 15 13 00-0594 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,868.72	
27 15 13 00-0595 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	18,374.49	
27 15 13 00-0596 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	26,416.88	
27 15 13 00-0597 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	34,139.27	
27 15 13 00-0598 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	45,992.72	
27 15 13 00-0599 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	67,800.27	
27 15 13 00-0600 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	98,594.39	
27 15 13 00-0601 22 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)		

27	Communications
27 10	Structured Cabling
27 15	Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0602 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0601)		
27 15 13 00-0603 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,233.29	1,128.17
27 15 13 00-0604 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,002.78	1,128.17
27 15 13 00-0605 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,640.31	1,128.17
27 15 13 00-0606 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,652.77	1,128.17
27 15 13 00-0607 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,939.38	1,128.17
27 15 13 00-0608 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,626.04	1,450.52
27 15 13 00-0609 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,482.65	2,095.19
27 15 13 00-0610 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	51,855.73	2,739.86
27 15 13 00-0611 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	72,446.28	3,706.88
27 15 13 00-0612 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	113,908.70	7,413.74
27 15 13 00-0613 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0601)		
27 15 13 00-0614 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,830.36	
27 15 13 00-0615 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,599.85	
27 15 13 00-0616 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,237.38	
27 15 13 00-0617 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,249.84	
27 15 13 00-0618 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,536.45	
27 15 13 00-0619 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,357.43	
27 15 13 00-0620 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,676.81	
27 15 13 00-0621 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	50,176.90	
27 15 13 00-0622 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	69,491.53	
27 15 13 00-0623 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	105,850.29	
27 15 13 00-0624 19 AWG, PE-39 Outdoor Telecommunications Cable ^(27 15 13 00-0575)		
27 15 13 00-0625 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0624)		
27 15 13 00-0626 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,267.80	1,128.17
27 15 13 00-0627 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,377.47	1,128.17
27 15 13 00-0628 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	28,046.77	1,128.17
27 15 13 00-0629 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0624)		
27 15 13 00-0630 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,864.87	
27 15 13 00-0631 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,974.54	
27 15 13 00-0632 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,643.84	
27 15 13 00-0633 (Aerial) Outdoor Telecommunications Cable ^(27 15 13 00-0508)		
Note: Includes support wire.		
27 15 13 00-0634 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0633)		
27 15 13 00-0635 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,376.62	2,232.05
27 15 13 00-0636 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,812.33	2,232.05
27 15 13 00-0637 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,894.11	2,232.05
27 15 13 00-0638 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,897.01	2,232.05
27 15 13 00-0639 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,765.58	2,232.05
27 15 13 00-0640 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	23,964.86	2,455.26
27 15 13 00-0641 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	32,212.01	2,678.46
27 15 13 00-0642 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0633)		
27 15 13 00-0643 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,897.90	2,232.05
27 15 13 00-0644 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,541.64	2,232.05
27 15 13 00-0645 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,092.14	2,232.05
27 15 13 00-0646 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,155.29	2,232.05
27 15 13 00-0647 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,953.36	2,232.05
27 15 13 00-0648 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	33,246.49	2,455.26
27 15 13 00-0649 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0633)		
27 15 13 00-0650 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,587.08	2,232.05
27 15 13 00-0651 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,042.86	2,232.05
27 15 13 00-0652 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,905.16	2,232.05
27 15 13 00-0653 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,629.81	2,232.05
27 15 13 00-0654 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	31,189.31	2,232.05
27 15 13 00-0655 Sound System Cables ^(27 15 13)		
Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656 Speaker/Communications And Control Cable, Installed Exposed ^(27 15 13 00-0655)		
27 15 13 00-0657 Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed ^(27 15 13 00-0656)		



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2027.69 515.39	858.98	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 1,923.22 515.39	858.98	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 1,842.64 515.39	858.98	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 1,930.76 515.39	858.98	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,213.98 515.39	858.98	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,496.27 515.39	858.98	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,215.17 515.39	858.98	
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,079.18 515.39	858.98	
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0658)		
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,070.85 515.39	858.98	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 1,950.67 515.39	858.98	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 1,882.65 515.39	858.98	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 1,996.16 515.39	858.98	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,235.95 515.39	858.98	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,209.50 515.39	858.98	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,043.27 515.39	858.98	
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,325.83 515.39	858.98	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 2,607.61 515.39	858.98	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 1,916.76 515.39	858.98	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> 1,972.90 515.39	858.98	
27 15 13 00-0678		Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0655)		
27 15 13 00-0679		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0678)		
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit 1,168.71	429.50	
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit 1,064.24	429.50	
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit 983.66	429.50	
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit 1,071.78	429.50	
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit 1,355.00	429.50	
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit 1,637.29	429.50	
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit 1,356.19	429.50	
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit 1,220.20	429.50	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0688		Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0678)		
27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,211.87	429.50
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,091.69	429.50
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,023.67	429.50
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,137.18	429.50
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,376.97	429.50
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,350.52	429.50
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,184.29	429.50
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,466.85	429.50
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,748.63	429.50
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,113.92	429.50
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,057.78	429.50
27 15 23		Communications Optical Fiber Horizontal Cabling (27 15)		
		Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 23 00-0001		Indoor Fiber Optic Cable (27 15 23)		
		Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 15 23 00-0002		Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001)		
		Note: Excludes conduit or innerduct.		
27 15 23 00-0003		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)		
27 15 23 00-0004		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)		
27 15 23 00-0005		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,152.10	483.51
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,256.46	483.51
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,291.30	483.51
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,415.39	483.51
		For Aluminum Armored Cable, Add	780.65	
		For Steel Armored Cable, Add	1,585.79	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,450.96	483.51
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,666.02	483.51
		For Aluminum Armored Cable, Add	802.44	
		For Steel Armored Cable, Add	1,643.78	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,841.21	564.09
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,989.97	564.09
		For Aluminum Armored Cable With Sub-Units, Add	1,971.48	
		For Steel Armored Cable, Add	2,047.50	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,863.03	564.09
		For Aluminum Armored Cable With Sub-Units, Add	2,078.31	
		For Steel Armored Cable, Add	1,764.27	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,032.36	564.09
		For Aluminum Armored Cable With Sub-Units, Add	2,180.56	
		For Steel Armored Cable, Add	1,849.20	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,100.17	564.09
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,384.13	564.09
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,877.80	564.09
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,579.76	644.68
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,616.61	644.68
27 15 23 00-0021		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,182.15	483.51
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,284.11	483.51
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,568.09	483.51



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,867.01	483.51
For Aluminum Armored Cable, Add	1,070.74	
For Steel Armored Cable, Add	1,397.01	
27 15 23 00-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,150.98	483.51
27 15 23 00-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,733.87	483.51
For Aluminum Armored Cable, Add	1,086.50	
For Steel Armored Cable, Add	1,511.64	
27 15 23 00-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,017.64	564.09
27 15 23 00-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,125.03	564.09
For Aluminum Armored Cable With Sub-Units, Add	960.65	
For Steel Armored Cable, Add	960.65	
27 15 23 00-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,217.47	564.09
27 15 23 00-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,309.91	564.09
For Aluminum Armored Cable With Sub-Units, Add	1,714.31	
27 15 23 00-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,402.35	564.09
27 15 23 00-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,494.79	564.09
27 15 23 00-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,694.62	564.09
For Aluminum Armored Cable With Sub-Units, Add	7,383.32	
27 15 23 00-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,013.81	644.68
27 15 23 00-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,198.69	644.68
27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,200.97	483.51
27 15 23 00-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,308.03	483.51
27 15 23 00-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,606.20	483.51
27 15 23 00-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,920.06	483.51
27 15 23 00-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,218.24	483.51
27 15 23 00-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,830.28	483.51
27 15 23 00-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,121.52	564.09
27 15 23 00-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,334.27	564.09
27 15 23 00-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,531.34	564.09
27 15 23 00-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,728.40	564.09
27 15 23 00-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,925.46	564.09
27 15 23 00-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,122.52	564.09
27 15 23 00-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,532.34	564.09
27 15 23 00-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,060.77	644.68
27 15 23 00-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,454.90	644.68
27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)		
27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)		
27 15 23 00-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,119.30	483.51
27 15 23 00-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,508.48	483.51
27 15 23 00-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,364.68	483.51
27 15 23 00-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,773.29	483.51
27 15 23 00-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,556.99	483.51
27 15 23 00-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,923.74	564.09
27 15 23 00-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,717.20	564.09
27 15 23 00-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,274.89	564.09
27 15 23 00-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,047.79	564.09

27 Communications
27 10 Structured Cabling
27 15 Communications Horizontal Cabling



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0064		50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0063)		
27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,424.93	483.51
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,935.42	483.51
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,777.10	483.51
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,028.08	483.51
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,547.58	483.51
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,405.79	564.09
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,280.59	564.09
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,562.38	564.09
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,065.50	564.09
27 15 23 00-0074		62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)		
27 15 23 00-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,505.88	483.51
27 15 23 00-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,041.90	483.51
27 15 23 00-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,925.67	483.51
27 15 23 00-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,239.20	483.51
27 15 23 00-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,784.66	483.51
27 15 23 00-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,729.07	564.09
27 15 23 00-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,697.61	564.09
27 15 23 00-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,043.50	564.09
27 15 23 00-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,821.77	564.09
27 15 23 00-0084		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)		
27 15 23 00-0085		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)		
27 15 23 00-0086		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)		
27 15 23 00-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,123.24	483.51
27 15 23 00-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,128.03	483.51
27 15 23 00-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,379.48	483.51
27 15 23 00-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,408.90	483.51
		<i>For Aluminum Armored Cable, Add</i>	927.80	
		<i>For Steel Armored Cable, Add</i>	5,356.58	
27 15 23 00-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,557.01	483.51
27 15 23 00-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,584.72	483.51
		<i>For Aluminum Armored Cable, Add</i>	965.19	
		<i>For Steel Armored Cable, Add</i>	5,746.49	
27 15 23 00-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,479.35	564.09
27 15 23 00-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,431.55	564.09
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	949.95	
		<i>For Steel Armored Cable, Add</i>	5,969.65	
27 15 23 00-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,951.91	564.09
27 15 23 00-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,129.45	564.09
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,456.47	
		<i>For Steel Armored Cable, Add</i>	7,422.83	
27 15 23 00-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,574.25	564.09
27 15 23 00-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,116.85	564.09
27 15 23 00-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,322.67	564.09
27 15 23 00-0100		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)		
27 15 23 00-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,180.13	483.51
27 15 23 00-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,572.93	483.51
27 15 23 00-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,042.85	483.51



Communications		27	27
Structured Cabling		27 10	
Communications Horizontal Cabling		27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,522.19	483.51
For Aluminum Armored Cable, Add	418.64	
For Steel Armored Cable, Add	817.09	
27 15 23 00-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,981.50	483.51
27 15 23 00-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,380.56	483.51
For Aluminum Armored Cable, Add	412.66	
For Steel Armored Cable, Add	864.94	
27 15 23 00-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,300.34	564.09
27 15 23 00-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,708.87	564.09
For Aluminum Armored Cable With Sub-Units, Add	2,010.79	
For Steel Armored Cable, Add	4,689.76	
27 15 23 00-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,093.23	564.09
27 15 23 00-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,477.59	564.09
For Aluminum Armored Cable With Sub-Units, Add	5,970.98	
27 15 23 00-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,861.95	564.09
27 15 23 00-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,246.31	564.09
27 15 23 00-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	28,039.20	564.09
For Aluminum Armored Cable With Sub-Units, Add	11,941.96	
27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)		
27 15 23 00-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,198.85	483.51
27 15 23 00-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,611.28	483.51
27 15 23 00-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,104.70	483.51
27 15 23 00-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,608.01	483.51
27 15 23 00-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,090.28	483.51
27 15 23 00-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,509.30	483.51
27 15 23 00-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,468.35	564.09
27 15 23 00-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,047.31	564.09
27 15 23 00-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,600.88	564.09
27 15 23 00-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,154.46	564.09
27 15 23 00-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,708.04	564.09
27 15 23 00-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,261.62	564.09
27 15 23 00-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	29,394.16	564.09
27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)		
27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,309.52	483.51
27 15 23 00-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,783.04	483.51
27 15 23 00-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,921.38	483.51
27 15 23 00-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,036.99	483.51
27 15 23 00-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,817.48	483.51
27 15 23 00-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,136.55	564.09
27 15 23 00-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,039.56	564.09
27 15 23 00-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,393.60	564.09
27 15 23 00-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	24,186.96	564.09
27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,141.91	483.51
27 15 23 00-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,408.16	483.51

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,668.39	483.51
27 15 23 00-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,820.32	483.51
27 15 23 00-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,607.34	483.51
27 15 23 00-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,879.68	564.09
27 15 23 00-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,643.76	564.09
27 15 23 00-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,562.89	564.09
27 15 23 00-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	32,849.83	564.09
27 15 23 00-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,358.71	483.51
27 15 23 00-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,688.28	483.51
27 15 23 00-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,061.51	483.51
27 15 23 00-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,271.05	483.51
27 15 23 00-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,147.41	483.51
27 15 23 00-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,626.66	564.09
27 15 23 00-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,528.94	564.09
27 15 23 00-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,544.02	564.09
27 15 23 00-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	34,445.31	564.09
27 15 23 00-0159 Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001)		
Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)		
27 15 23 00-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)		
27 15 23 00-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)		
27 15 23 00-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,420.72	644.68
For Work In Restricted Working Space, Add	322.34	
27 15 23 00-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,525.08	644.68
For Work In Restricted Working Space, Add	322.34	
27 15 23 00-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,559.92	644.68
For Work In Restricted Working Space, Add	322.34	
27 15 23 00-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,684.01	644.68
For Aluminum Armored Cable, Add	780.65	
For Steel Armored Cable, Add	1,585.79	
For Work In Restricted Working Space, Add	322.34	
27 15 23 00-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,719.58	644.68
For Work In Restricted Working Space, Add	322.34	
27 15 23 00-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,934.64	644.68
For Aluminum Armored Cable, Add	802.44	
For Steel Armored Cable, Add	1,643.78	
For Work In Restricted Working Space, Add	322.34	
27 15 23 00-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,109.82	725.26
For Work In Restricted Working Space, Add	362.63	
27 15 23 00-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,258.58	725.26
For Aluminum Armored Cable With Sub-Units, Add	1,971.48	
For Steel Armored Cable, Add	2,047.50	
For Work In Restricted Working Space, Add	362.63	
27 15 23 00-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,131.64	725.26
For Aluminum Armored Cable With Sub-Units, Add	2,078.31	
For Steel Armored Cable, Add	1,764.27	
For Work In Restricted Working Space, Add	362.63	
27 15 23 00-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,300.97	725.26
For Aluminum Armored Cable With Sub-Units, Add	2,180.56	
For Steel Armored Cable, Add	1,849.20	
For Work In Restricted Working Space, Add	362.63	
27 15 23 00-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,368.78	725.26
For Work In Restricted Working Space, Add	362.63	
27 15 23 00-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,652.74	725.26
For Work In Restricted Working Space, Add	362.63	
27 15 23 00-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,146.41	725.26
For Work In Restricted Working Space, Add	362.63	



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,848.37 402.92	805.84
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,885.22 402.92	805.84
27 15 23 00-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)				
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,450.77 322.34	644.68
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,552.73 322.34	644.68
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,836.71 322.34	644.68
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,135.63 1,070.74 1,397.01 322.34	644.68
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,419.60 322.34	644.68
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,002.49 1,086.50 1,511.64 322.34	644.68
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,286.25 362.63	725.26
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,393.64 960.65 960.65 362.63	725.26
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,486.08 362.63	725.26
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,578.52 1,714.31 362.63	725.26
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,670.96 362.63	725.26
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,763.40 362.63	725.26
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	17,963.23 7,383.32 362.63	725.26
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	22,282.42 402.92	805.84
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	26,467.30 402.92	805.84
27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)				
27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,469.59 322.34	644.68
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,576.65 322.34	644.68
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,874.82 322.34	644.68
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,188.68 322.34	644.68
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,486.86 322.34	644.68
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,098.90 322.34	644.68
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,390.13 362.63	725.26
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,602.88 362.63	725.26
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,799.95 362.63	725.26
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,997.01 362.63	725.26

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,194.07 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,391.13 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,800.95 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	23,329.38 402.92	805.84
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	27,723.51 402.92	805.84
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)		
27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)		
27 15 23 00-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,387.92 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,777.10 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,633.30 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,041.91 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,825.61 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,192.35 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,985.81 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,543.50 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,316.40 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)		
27 15 23 00-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,693.55 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,204.04 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,045.72 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,296.70 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,816.20 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,674.40 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,549.20 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,830.99 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,334.11 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)		
27 15 23 00-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,774.50 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,310.52 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,194.29 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,507.82 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,053.28 322.34	644.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,997.68 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 23 00-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,966.22 362.63	725.26
<i>For Work In Restricted Working Space, Add</i>		



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	11,312.11 362.63	725.26
27 15 23 00-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	17,090.38 362.63	725.26
27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)		
27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0241)		
27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)		
27 15 23 00-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,391.86 322.34	644.68
27 15 23 00-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,396.65 322.34	644.68
27 15 23 00-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,648.10 322.34	644.68
27 15 23 00-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	1,677.52 927.80 5,356.58 322.34	644.68
27 15 23 00-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,825.63 322.34	644.68
27 15 23 00-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	1,853.34 965.19 5,746.49 322.34	644.68
27 15 23 00-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	3,747.96 362.63	725.26
27 15 23 00-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable With Sub-Units, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	4,700.16 949.95 5,969.65 362.63	725.26
27 15 23 00-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	7,220.52 362.63	725.26
27 15 23 00-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable With Sub-Units, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	7,398.06 1,456.47 7,422.83 362.63	725.26
27 15 23 00-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	8,842.86 362.63	725.26
27 15 23 00-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	10,385.46 362.63	725.26
27 15 23 00-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	13,591.28 362.63	725.26
27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)		
27 15 23 00-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,448.75 322.34	644.68
27 15 23 00-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,841.55 322.34	644.68
27 15 23 00-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	2,311.47 322.34	644.68
27 15 23 00-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	2,790.81 418.64 817.09 322.34	644.68
27 15 23 00-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	3,250.12 322.34	644.68
27 15 23 00-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	3,649.18 412.66 864.94 322.34	644.68
27 15 23 00-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	4,568.95 362.63	725.26
27 15 23 00-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable With Sub-Units, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	7,977.48 2,010.79 4,689.76 362.63	725.26

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,361.84	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,746.20	725.26
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	5,970.98	
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,130.56	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	21,514.92	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	28,307.81	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	11,941.96	
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0271		62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)		
27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,467.47	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,879.90	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,373.32	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,876.63	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,358.90	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,777.92	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,736.96	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,315.92	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,869.49	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,423.07	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,976.65	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	22,530.23	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	29,662.77	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0285		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0241)		
27 15 23 00-0286		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)		
27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,578.14	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,051.66	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,190.00	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,305.61	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,086.10	644.68
		<i>For Work In Restricted Working Space, Add</i>	322.34	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,405.16	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,308.17	725.26
		<i>For Work In Restricted Working Space, Add</i>	362.63	



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	19,662.21 362.63	725.26
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	24,455.57 362.63	725.26
27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)				
27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,410.53 322.34	644.68
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,676.78 322.34	644.68
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,937.01 322.34	644.68
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,088.94 322.34	644.68
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,875.96 322.34	644.68
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,148.29 362.63	725.26
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	18,912.37 362.63	725.26
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	20,831.50 362.63	725.26
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	33,118.44 362.63	725.26
27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)				
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,627.33 322.34	644.68
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,956.90 322.34	644.68
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,330.13 322.34	644.68
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,539.67 322.34	644.68
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,416.03 322.34	644.68
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,895.27 362.63	725.26
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	19,797.55 362.63	725.26
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	21,812.63 362.63	725.26
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	34,713.92 362.63	725.26
27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.				
27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)				
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,653.93	483.51
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,800.93	483.51
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,467.02	564.09
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	10,194.52	564.09
27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)				
27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,971.24	483.51

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,845.58	483.51
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	7,675.77	564.09
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	13,240.40	564.09
27 15 23 00-0327		Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001) Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328		Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)		
27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,922.55 322.34	644.68
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,069.55 322.34	644.68
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,735.63 362.63	725.26
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,463.13 362.63	725.26
27 15 23 00-0333		Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)		
27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,239.86 322.34	644.68
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,114.20 322.34	644.68
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,944.38 362.63	725.26
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	13,509.01 362.63	725.26
27 15 23 00-0338		Outdoor Fiber Optic Cable (27 15 23) Note: Cable buried in trench excludes excavation.		
27 15 23 00-0339		Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0338) Note: Excludes conduit or innerduct.		
27 15 23 00-0340		Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0339)		
27 15 23 00-0341		Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)		
27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,233.14 303.56	967.01
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,270.93 306.07	967.01
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,308.77 308.50	967.01
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,346.59 311.46	967.01
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,421.74 281.83	967.01
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,575.45 314.00	967.01
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,654.47 247.19	967.01
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,678.84 288.93	967.01
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,131.05 317.87	967.01
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,380.36 317.84	967.01
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,703.82 375.66	967.01
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,273.27 360.67	967.01
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,895.48 437.96	967.01
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,546.67 293.17	967.01



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0356		50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)		
27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,994.44 -4.02	967.01
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	3,072.93 41.21	967.01
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	3,237.36 106.57	967.01
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	3,461.59 -64.62	967.01
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	3,555.02 -34.32	967.01
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	3,872.69 -16.15	967.01
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	4,545.38 -87.85	967.01
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	5,535.74 0.01	967.01
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	6,638.21 -200.97	967.01
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	7,404.34 -100.97	967.01
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	8,394.70 464.14	967.01
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	10,693.08 -208.04	967.01
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	12,972.77 -278.22	967.01
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	15,252.46 -330.75	967.01
27 15 23 00-0371		62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)		
27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	1,970.91 129.82	967.01
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,095.72 139.21	967.01
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,220.33 148.38	967.01
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,374.28 168.92	967.01
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,594.75 176.15	967.01
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,984.53 187.73	967.01
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	3,353.76 215.89	967.01
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	4,060.42 239.91	967.01
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	4,886.95 275.84	967.01
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	5,650.36 296.82	967.01
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	6,456.11 335.96	967.01
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	8,085.75 377.74	967.01
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	9,741.56 428.69	967.01
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	11,422.93 393.78	967.01
27 15 23 00-0386		Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0339)		
27 15 23 00-0387		Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0386)		
27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,449.56 239.89	967.01
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,523.25 344.31	967.01
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,545.37 329.97	967.01
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,633.65 274.69	967.01
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,661.20 328.30	967.01
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,784.92 311.37	967.01
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... For Corrugated Coated Steel Tape Armored Cable, Add	2,895.85 315.06	967.01

27	Communications
27 10	Structured Cabling
27 15	Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,072.81 399.53	967.01
27 15 23 00-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,322.12 404.75	967.01
27 15 23 00-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,570.46 419.32	967.01
27 15 23 00-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,907.16 360.69	967.01
27 15 23 00-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,451.77 470.39	967.01
27 15 23 00-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,164.27 463.18	967.01
27 15 23 00-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,747.33 369.99	967.01
27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0396)		
27 15 23 00-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,698.00 339.48	967.01
27 15 23 00-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,956.00 190.11	967.01
27 15 23 00-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,295.48 40.74	967.01
27 15 23 00-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,458.42 67.90	967.01
27 15 23 00-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,621.37 67.90	967.01
27 15 23 00-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,001.58 81.47	967.01
27 15 23 00-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,341.06 312.32	967.01
27 15 23 00-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,074.32 611.06	967.01
27 15 23 00-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,807.59 1,018.42	967.01
27 15 23 00-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,418.65 1,120.27	967.01
27 15 23 00-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,219.81 1,425.80	967.01
27 15 23 00-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,890.02 2,104.74	967.01
27 15 23 00-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,731.92 1,588.74	967.01
27 15 23 00-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,890.98 3,870.02	967.01
27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0396)		
27 15 23 00-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,055.19 162.94	967.01
27 15 23 00-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,177.40 176.14	967.01
27 15 23 00-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,299.41 189.33	967.01
27 15 23 00-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,421.62 202.50	967.01
27 15 23 00-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,738.19 217.81	967.01
27 15 23 00-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,048.63 255.23	967.01
27 15 23 00-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,429.01 277.23	967.01
27 15 23 00-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,165.28 342.53	967.01
27 15 23 00-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,915.31 392.45	967.01
27 15 23 00-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,667.93 437.01	967.01
27 15 23 00-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,459.30 487.33	967.01
27 15 23 00-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,065.18 574.63	967.01
27 15 23 00-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,137.93 594.03	967.01
27 15 23 00-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,352.64 613.23	967.01
27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338)		
Note: Excludes trenching.		



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0432)		
27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0433)		
27 15 23 00-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,098.83 303.56	
27 15 23 00-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,136.62 306.07	
27 15 23 00-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,174.46 308.50	
27 15 23 00-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,212.28 311.46	
27 15 23 00-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,287.43 281.83	
27 15 23 00-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,441.14 314.00	
27 15 23 00-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,520.16 247.19	
27 15 23 00-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,544.53 288.93	
27 15 23 00-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,996.74 317.87	
27 15 23 00-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	3,563.89 317.84	
27 15 23 00-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	3,945.18 375.66	
27 15 23 00-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	4,138.96 360.67	
27 15 23 00-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	4,761.17 437.96	
27 15 23 00-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	5,412.36 293.17	
27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0433)		
27 15 23 00-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,860.13 -4.02	
27 15 23 00-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,938.62 41.21	
27 15 23 00-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	3,103.05 106.57	
27 15 23 00-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	3,327.28 -64.62	
27 15 23 00-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	3,420.71 -34.32	
27 15 23 00-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	3,738.38 -16.15	
27 15 23 00-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	4,411.07 -87.85	
27 15 23 00-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	5,401.43 0.01	
27 15 23 00-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	6,503.90 -200.97	
27 15 23 00-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	7,270.03 -100.97	
27 15 23 00-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	8,260.39 464.14	
27 15 23 00-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	10,558.77 -208.04	
27 15 23 00-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	12,838.46 -278.22	
27 15 23 00-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	15,118.15 -330.75	
27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0433)		
27 15 23 00-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	1,836.60 129.82	
27 15 23 00-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	1,961.41 139.21	
27 15 23 00-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,086.02 148.38	
27 15 23 00-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,239.97 168.92	
27 15 23 00-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,460.44 176.15	
27 15 23 00-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	2,850.22 187.73	
27 15 23 00-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench For Corrugated Coated Steel Tape Armored Cable, Add	3,219.45 215.89	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,926.11 239.91	
27 15 23 00-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,752.64 275.84	
27 15 23 00-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,516.05 296.82	
27 15 23 00-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,321.80 335.96	
27 15 23 00-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,951.44 377.74	
27 15 23 00-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,607.25 428.69	
27 15 23 00-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,288.62 393.78	
27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0479)		
27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0479)		
27 15 23 00-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,315.25 239.89	
27 15 23 00-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,388.94 344.31	
27 15 23 00-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,411.06 329.97	
27 15 23 00-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,499.34 274.69	
27 15 23 00-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,526.89 328.30	
27 15 23 00-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,650.61 311.37	
27 15 23 00-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,761.54 315.06	
27 15 23 00-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,938.50 399.53	
27 15 23 00-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,187.81 404.75	
27 15 23 00-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,436.15 419.32	
27 15 23 00-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,772.85 360.69	
27 15 23 00-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,317.46 470.39	
27 15 23 00-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,029.96 463.18	
27 15 23 00-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,613.02 369.99	
27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0479)		
27 15 23 00-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,563.69 339.48	
27 15 23 00-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,821.69 190.11	
27 15 23 00-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,161.17 40.74	
27 15 23 00-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,324.11 67.90	
27 15 23 00-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,487.06 67.90	
27 15 23 00-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,867.27 81.47	
27 15 23 00-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,206.75 312.32	
27 15 23 00-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,940.01 611.06	
27 15 23 00-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,673.28 1,018.42	
27 15 23 00-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,284.34 1,120.27	
27 15 23 00-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,085.50 1,425.80	
27 15 23 00-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,755.71 2,104.74	
27 15 23 00-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,597.61 1,588.74	
27 15 23 00-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,756.67 3,870.02	



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0479)		
27 15 23 00-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	1,920.88 162.94	
27 15 23 00-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	2,043.09 176.14	
27 15 23 00-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	2,165.10 189.33	
27 15 23 00-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	2,287.31 202.50	
27 15 23 00-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	2,603.88 217.81	
27 15 23 00-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	2,914.32 255.23	
27 15 23 00-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	3,294.70 277.23	
27 15 23 00-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	4,030.97 342.53	
27 15 23 00-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	4,781.00 392.45	
27 15 23 00-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	5,533.62 437.01	
27 15 23 00-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	6,324.99 487.33	
27 15 23 00-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	7,930.87 574.63	
27 15 23 00-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	9,641.79 594.03	
27 15 23 00-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... For Corrugated Coated Steel Tape Armored Cable, Add	11,218.33 613.23	
27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0338)		
27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0525)		
27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0526)		
27 15 23 00-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	10,286.44 203.03	3,530.88
27 15 23 00-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	10,323.99 208.29	3,530.88
27 15 23 00-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	10,362.03 213.41	3,530.88
27 15 23 00-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	10,399.59 209.32	3,530.88
27 15 23 00-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	10,474.73 244.03	3,530.88
27 15 23 00-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	10,623.09 253.70	3,530.88
27 15 23 00-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	10,736.24 280.41	3,530.88
27 15 23 00-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	11,005.27 268.86	3,530.88
27 15 23 00-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	11,240.54 312.36	3,530.88
27 15 23 00-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	11,435.03 299.53	3,530.88
27 15 23 00-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	11,677.65 342.45	3,530.88
27 15 23 00-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	12,314.41 347.81	3,530.88
27 15 23 00-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	12,997.58 415.03	3,530.88
27 15 23 00-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles For Corrugated Coated Steel Tape Armored Cable, Add	13,161.36 445.65	3,530.88
27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)		
27 15 23 00-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,234.79	805.84
27 15 23 00-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,334.16	805.84
27 15 23 00-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,783.17	805.84
27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,636.98	805.84
27 15 23 00-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,261.74	805.84
27 15 23 00-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,994.60	805.84
27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,100.48	738.69
27 15 23 00-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,199.85	738.69
27 15 23 00-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,648.86	738.69
27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,502.67	738.69
27 15 23 00-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,127.43	738.69
27 15 23 00-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	8,860.29	738.69
27 15 23 00-0560 Network Communications Cabling And Related Products (27 15 23)		
27 15 23 00-0561 EA AC Surge Suppression Assembly	522.49	16.78
Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.		
27 15 23 00-0562 EA Single Mode Fiber Optic To Ethernet Media Converter	881.21	20.15
Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.		
27 15 23 00-0563 EA 6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends	46.69	2.15
Note: Includes testing.		
27 15 23 00-0564 EA KVM (Keyboard, Video, Mouse) Cable	106.50	2.69
Note: Raritan CCP40. Includes testing.		
27 15 23 00-0565 EA 6' Long USB (Universal Serial Bus) Cable	15.92	2.15
Note: Includes testing.		
27 15 23 00-0566 EA 10' Long USB (Universal Serial Bus) Cable	18.87	2.69
Note: Includes testing.		
27 15 23 00-0567 EA 6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	20.61	2.15
Note: Includes testing.		
27 15 23 00-0568 EA 10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	23.57	2.69
Note: Includes testing.		
27 15 23 00-0569 EA 6' Long Single Mode Patch Cord With SC Connectors At Both Ends	34.37	2.15
Note: Includes testing.		
27 15 23 00-0570 EA 20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends	74.69	2.69
Note: Includes testing.		
27 15 23 00-0571 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	59.35	2.15
Note: Includes testing.		
27 15 23 00-0572 EA 20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	74.69	2.69
Note: Includes testing.		
27 15 23 00-0573 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other	111.26	2.15
Note: Includes testing.		
27 15 23 00-0574 EA 6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other	111.26	2.15
Note: Includes testing.		
27 15 23 00-0575 LF 6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable	1.14	
Note: Corning part no. 006ESF-T4101D20. Includes testing.		
27 15 23 00-0576 LF 12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable	8.15	
Note: Corning part no. 012ESF-T4101D20. Includes testing.		
27 15 23 00-0577 LF 24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable	9.96	
Note: Corning part no. 024EW4-T4101D20. Includes testing.		
27 15 23 00-0578 LF 72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable	16.35	
Note: Corning part no. 072EW4-T4101D20. Includes testing.		
27 15 23 00-0579 LF 144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable	25.57	
Note: Corning part no. 144EW4-T4101D20. Includes testing.		
27 15 23 00-0580 LF 36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable	16.34	
Note: Corning part no. 036E81-61131-24. Includes testing.		
27 15 23 00-0581 LF 72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable	25.49	
Note: Corning part no. 072E81-T3131-24. Includes testing.		
27 15 23 00-0582 EA Aerial Storage Unit	139.55	13.43
Note: Alcola part no. FSU-16. Includes testing.		
27 15 23 00-0583 EA Spider Fan-Out Kits With SC Connectors	170.42	13.43
Note: Corning part no. SFK-P-12-900-S.		
27 15 23 00-0584 LF Ultraviolet Resistant Rated Category 6 Cable	1.54	0.24
Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.		
27 15 23 00-0585 LF RG11 Coaxial Cable NEC CMR	5.43	2.52
Note: Corning part no. SFK-P-12-900-S.		
27 15 23 00-0586 LF Outdoor Rated UL Type CL2	5.49	
Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.		



Communications		27
Structured Cabling		27 10
Communications Horizontal Cabling		27 15

27

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0587	LF	Indoor Plenum Rated UL Type CMP Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	7.96	2.52
27 15 33 Communications Coaxial Horizontal Cabling (27 15)				
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.				
27 15 33 00-0001		Indoor Coaxial Cable (27 15 33)		
27 15 33 00-0002		Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)		
27 15 33 00-0003		Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0002)		
27 15 33 00-0004	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,940.85	564.09
27 15 33 00-0005	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	4,795.17	564.09
27 15 33 00-0006	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,556.34	644.68
27 15 33 00-0007	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	6,053.87	644.68
27 15 33 00-0008		Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0002)		
27 15 33 00-0009	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)..... <i>For Work In Restricted Working Space, Add</i>	2,881.00 564.09	1,128.17
27 15 33 00-0010	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)..... <i>For Work In Restricted Working Space, Add</i>	5,735.32 564.09	1,128.17
27 15 33 00-0011	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)..... <i>For Work In Restricted Working Space, Add</i>	2,630.79 644.67	1,289.35
27 15 33 00-0012	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)..... <i>For Work In Restricted Working Space, Add</i>	7,128.32 644.67	1,289.35
27 15 33 00-0013		Coaxial Distribution Cable (27 15 33 00-0001)		
Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.				
27 15 33 00-0014	MLF	RG-6/U Coaxial Distribution Cable, Installed In Conduit.....	3,290.69	392.68
27 15 33 00-0015	MLF	RG-6A/U Coaxial Distribution Cable, Installed In Conduit	12,892.27	392.68
27 15 33 00-0016	MLF	RG-8/U Coaxial Distribution Cable, Installed In Conduit.....	6,651.88	414.76
27 15 33 00-0017	MLF	RG-8A/U Coaxial Distribution Cable, Installed In Conduit	8,455.47	414.76
27 15 33 00-0018	MLF	RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	7,437.72	490.85
27 15 33 00-0019	MLF	RG-11A/U Coaxial Distribution Cable, Installed In Conduit	10,925.72	490.85
27 15 33 00-0020	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	23,886.76	687.19
27 15 33 00-0021	MLF	RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	2,390.31	343.59
27 15 33 00-0022	MLF	RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,747.70	343.59
27 15 33 00-0023	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	3,377.27	343.59
27 15 33 00-0024	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	8,348.52	687.19
27 15 33 00-0025	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit.....	4,060.02	343.59
27 15 33 00-0026	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	10,221.74	687.19
27 15 33 00-0027	MLF	1/2" Hard Line Coaxial, Installed In Conduit	3,262.36	490.85
27 15 33 00-0028		Outdoor Coaxial Cable (27 15 33)		
27 15 33 00-0029		Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 15 33 00-0028)		
Note: Corrugated steel armor jacket.				
27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	8,567.11	1,837.24
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	5,269.26	1,292.28
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	4,777.01	762.41
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	2,273.51	762.41
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	3,345.70	1,191.28
27 15 43 Communications Faceplates and Connectors (27 15)				
27 15 43 00-0001		Wall Mounted Telephone Faceplates (27 15 43)		
Note: Includes standard telephone mounting studs.				
27 15 43 00-0002		Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0001)		
27 15 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	42.64	16.78
27 15 43 00-0004		Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0001)		
27 15 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	40.17	6.71
27 15 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	69.69	16.78
27 15 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	81.09	20.15
27 15 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	38.60	6.71
27 15 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	63.10	16.78
27 15 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	74.67	20.15

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0011 Plastic Communications Faceplates (27 15 43) Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0012 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0013 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0014 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0015 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0016 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0017 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID	18.02	3.36
27 15 43 00-0018 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID	18.02	3.36
27 15 43 00-0019 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	18.02	3.36
27 15 43 00-0020 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	18.02	3.36
27 15 43 00-0021 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	18.02	3.36
27 15 43 00-0022 Stainless Steel Communications Faceplates (27 15 43) Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0023 Stainless Steel Communications Faceplates (27 15 43 00-0022)		
27 15 43 00-0024 EA One Port, Single Gang, Stainless Steel Communications Faceplate	21.43	3.36
27 15 43 00-0025 EA Two Port, Single Gang, Stainless Steel Communications Faceplate	21.43	3.36
27 15 43 00-0026 EA Three Port, Single Gang, Stainless Steel Communications Faceplate	21.43	3.36
27 15 43 00-0027 EA Four Port, Single Gang, Stainless Steel Communications Faceplate	22.95	3.36
27 15 43 00-0028 EA Six Port, Single Gang, Stainless Steel Communications Faceplate	22.95	3.36
27 15 43 00-0029 EA Four Port, Double Gang, Stainless Steel Communications Faceplate	31.17	3.36
27 15 43 00-0030 EA Six Port, Double Gang, Stainless Steel Communications Faceplate	32.12	3.36
27 15 43 00-0031 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate	37.28	3.36
27 15 43 00-0032 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate	37.28	3.36
27 15 43 00-0033 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate	37.28	3.36
27 15 43 00-0034 Stainless Steel Communications Faceplates With Station ID (27 15 43 00-0022)		
27 15 43 00-0035 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0036 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0037 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0038 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0039 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0040 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	67.45	3.36
27 15 43 00-0041 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	67.45	3.36
27 15 43 00-0042 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	67.45	3.36
27 15 43 00-0043 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	67.45	3.36
27 15 43 00-0044 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	67.45	3.36
27 15 43 00-0045 Surface Mount Plastic Communication Boxes (27 15 43) Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0046 EA One Port, Surface Mount Plastic Communication Box With Station ID	39.07	16.81
27 15 43 00-0047 EA Two Port, Surface Mount Plastic Communication Box With Station ID	40.03	16.81
27 15 43 00-0048 EA Four Port, Surface Mount Plastic Communication Box With Station ID	46.62	16.81
27 15 43 00-0049 EA Six Port, Surface Mount Plastic Communication Box With Station ID	54.45	16.81
27 15 43 00-0050 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID	62.66	16.81
27 15 43 00-0051 Snap-In Modular Jacks (27 15 43) Note: Includes termination.		
27 15 43 00-0052 EA Cat 3, Snap-In Modular Jack	37.79	13.45
27 15 43 00-0053 EA Category 5E, Snap-In Modular Jack	39.89	13.45
27 15 43 00-0054 EA Category 5E Shielded, Snap-In Modular Jack	46.19	13.45
27 15 43 00-0055 EA Cat 6, Snap-In Modular Jack	46.19	13.45
27 15 43 00-0056 EA Cat 6 Shielded, Snap-In Modular Jack	53.26	13.45
27 15 43 00-0057 EA Cat 6A, Snap-In Modular Jack	54.32	13.45
27 15 43 00-0058 EA Voice, RJ-11, Snap-In Modular Jack	26.41	6.72
27 15 43 00-0059 EA SC Type Fiber Optic, Snap-In Modular Jack	42.56	13.45
27 15 43 00-0060 EA ST Type Fiber Optic, Snap-In Modular Jack	47.91	13.45
27 15 43 00-0061 EA LC Type Fiber Optic, Snap-In Modular Jack	58.41	13.45
27 15 43 00-0062 EA Blank Fill In, Snap-In Modular Jack	7.71	3.36
27 15 43 00-0063 EA Open Cable Pass Through Insert, Snap-In Modular Jack	9.00	3.36
27 15 43 00-0064 EA Coaxial F-Type Coupler, Snap-In Modular Jack	31.83	10.09
Note: Includes female to female connection.		
For Gold Bulkhead, Add	2.04	
27 15 43 00-0065 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack	32.21	10.09
Note: Includes female to female connection.		
27 15 43 00-0066 EA RCA Solder Coupler, Snap-In Modular Jack	62.79	13.45
27 15 43 00-0067 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack	78.26	13.45
27 15 43 00-0068 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack	39.31	13.45
27 15 43 00-0069 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack	43.01	6.72
27 15 43 00-0070 EA BNC Connector, Snap-In Modular Jack	45.62	13.45
27 15 43 00-0071 EA S-Video With 110 Punch Down, Snap-In Modular Jack	51.35	13.45
27 15 43 00-0072 PR Speaker Connectors, Snap-In Modular Jack	67.90	20.18
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0073 EA USB Audio Video Connector, Snap-In Modular Jack	77.70	13.45



Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15

27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53		Communications Cable Innerduct (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.				
27 15 53 00-0001		Indoor Innerduct (27 15 53)		
27 15 53 00-0002		Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)		
27 15 53 00-0003		Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,263.17	2,014.60
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	6,816.27	2,686.14
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	9,052.00	3,357.67
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	10,578.85	4,029.21
27 15 53 00-0008		Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	7,708.09	1,343.07
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,637.51	2,014.60
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	10,921.84	2,686.14
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	14,029.81	3,357.67
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	16,882.83	4,029.21
27 15 53 00-0014		Indoor Innerduct, Installed Exposed (27 15 53 00-0001)		
27 15 53 00-0015		Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed.....	6,606.23	2,686.14
		For Work In Restricted Working Space, Add	1,611.68	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed.....	8,159.35	3,357.67
		For Work In Restricted Working Space, Add	2,014.61	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed.....	10,395.07	4,029.21
		For Work In Restricted Working Space, Add	2,417.53	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed.....	11,921.91	4,700.74
		For Work In Restricted Working Space, Add	2,820.44	
27 15 53 00-0020		Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,051.16	2,014.60
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,980.57	2,686.14
		For Work In Restricted Working Space, Add	1,611.68	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	12,264.92	3,357.67
		For Work In Restricted Working Space, Add	2,014.61	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	15,372.88	4,029.21
		For Work In Restricted Working Space, Add	2,417.53	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	18,225.89	4,700.74
		For Work In Restricted Working Space, Add	2,820.44	
27 15 53 00-0026		Outdoor Innerduct (27 15 53)		
27 15 53 00-0027		Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)		
27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit.....	4,948.12	2,014.60
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit.....	6,351.68	2,686.14
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit.....	8,112.61	3,357.67
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit.....	9,689.87	4,029.21
27 15 53 00-0032		Outdoor Innerduct, Buried In Trench (27 15 53 00-0026)		
27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench.....	3,605.05	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench.....	5,008.62	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench.....	6,769.53	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench.....	8,346.80	
27 16		Communications Connecting Cords, Devices, and Adapters (27 10)		
27 16 16		Communications Media Converters, Adapters, and Transceivers (27 16)		
27 16 16 00-0001		Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles.....	1,158.26	67.15
27 16 16 00-0003	EA	Fiber Optic MM Dual Video Receiver, Manual Gain.....	1,179.37	132.27
		Note: With video presence Ind, RM.		
27 16 16 00-0004		Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0005	EA	Fiber Optic Transmitter, Range 6.2 Miles.....	1,158.25	67.15
27 16 16 00-0006	EA	Fiber Optic MM Dual Video Transmitter Video Presence Indicator.....	1,179.37	132.27
27 16 16 00-0007		Fiber Optic Repeaters (27 16 16)		
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	1,292.56	134.31

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 16 00-0009	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	2,013.97	268.62
27 16 16 00-0010		Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0011	EA	Fiber Optic Transceivers, 3,000 Miles Range	1,319.40	268.62
27 16 16 00-0012	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	1,319.40	268.62
27 16 16 00-0013	EA	Fiber Optic Ethernet Transceiver	1,739.19	402.92
27 16 16 00-0014	EA	Transceiver (Low Cost Bi- Directional).....	644.77	100.73
27 16 19		Communications Patch Cords, Station Cords, and Cross Connect Wire (27 16)		
27 16 19 00-0001		Cross Connect Wire (27 16 19)		
		Note: Up to 20' length.		
27 16 19 00-0002	EA	2-Pair Cross Connect Wire	21.38	
27 16 19 00-0003	EA	3-Pair Cross Connect Wire	28.61	
27 16 19 00-0004	EA	4-Pair Cross Connect Wire	35.79	
27 16 19 00-0005		Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0006		Simplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0007		Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0006)		
27 16 19 00-0008	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	58.46	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0009	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	47.58	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0010	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	61.72	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0011	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	50.07	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0012	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	58.01	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0013	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	57.13	
		For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0014		Duplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0015		Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0016	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	102.18	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	99.12	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	110.01	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	85.43	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	101.28	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	99.54	
		For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0022		Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	77.04	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.15	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	84.88	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	87.16	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	77.34	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	87.56	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	102.98	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	70.79	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	86.23	
		For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0032		Fiber Optic Cable Pig Tail (27 16 19)		
27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail	92.08	47.00
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail	117.88	47.00
27 16 19 00-0035		Ethernet Patch Cords (27 16 19)		
27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots.....	16.46	



Communications			27
Structured Cabling			27 10
Communications Connecting Cords, Devices, and Adapters			27 16

27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0037	EA		5' Category 5E Patch Cables With Boots.....	17.90	
27 16 19 00-0038	EA		7' Category 5E Patch Cables With Boots.....	19.36	
27 16 19 00-0039	EA		10' Category 5E Patch Cables With Boots.....	28.22	
27 16 19 00-0040	EA		15' Category 5E Patch Cables With Boots.....	35.50	
27 16 19 00-0041	EA		25' Category 5E Patch Cables With Boots.....	46.50	
27 16 19 00-0042	EA		3' Category 6 Patch Cables With Boots.....	18.18	
27 16 19 00-0043	EA		5' Category 6 Patch Cables With Boots.....	21.84	
27 16 19 00-0044	EA		7' Category 6 Patch Cables With Boots.....	21.92	
27 16 19 00-0045	EA		10' Category 6 Patch Cables With Boots.....	26.47	
27 16 19 00-0046	EA		15' Category 6 Patch Cables With Boots.....	34.95	
27 16 19 00-0047	EA		25' Category 6 Patch Cables With Boots.....	43.53	
27 16 19 00-0048	EA		50' Category 6 Patch Cables With Boots.....	67.64	
27 16 19 00-0049	EA		100' Category 6 Patch Cables With Boots.....	117.67	
27 16 19 00-0050	EA		3' Category 6A Patch Cables With Boots.....	21.09	
27 16 19 00-0051	EA		5' Category 6A Patch Cables With Boots.....	22.28	
27 16 19 00-0052	EA		7' Category 6A Patch Cables With Boots.....	23.17	
27 16 19 00-0053	EA		10' Category 6A Patch Cables With Boots.....	27.87	
27 16 19 00-0054	EA		15' Category 6A Patch Cables With Boots.....	34.48	
27 16 19 00-0055	EA		25' Category 6A Patch Cables With Boots.....	42.13	
27 16 19 00-0056	EA		50' Category 6A Patch Cables With Boots.....	59.31	
27 16 19 00-0057	EA		100' Category 6A Patch Cables With Boots.....	103.01	
27 16 19 00-0058	EA		3' Category 5E Patch Cables With Plastic Arch.....	16.46	
27 16 19 00-0059	EA		5' Category 5E Patch Cables With Plastic Arch.....	17.90	
27 16 19 00-0060	EA		7' Category 5E Patch Cables With Plastic Arch.....	19.36	
27 16 19 00-0061	EA		10' Category 5E Patch Cables With Plastic Arch.....	28.22	
27 16 19 00-0062	EA		15' Category 5E Patch Cables With Plastic Arch.....	35.50	
27 16 19 00-0063	EA		25' Category 5E Patch Cables With Plastic Arch.....	46.50	
27 16 19 00-0064	EA		3' Category 6 Patch Cables With Plastic Arch.....	18.18	
27 16 19 00-0065	EA		5' Category 6 Patch Cables With Plastic Arch.....	21.84	
27 16 19 00-0066	EA		7' Category 6 Patch Cables With Plastic Arch.....	21.92	
27 16 19 00-0067	EA		10' Category 6 Patch Cables With Plastic Arch.....	26.47	
27 16 19 00-0068	EA		15' Category 6 Patch Cables With Plastic Arch.....	34.95	
27 16 19 00-0069	EA		25' Category 6 Patch Cables With Plastic Arch.....	43.53	
27 16 19 00-0070	EA		3' Category 6A Patch Cables With Plastic Arch.....	33.09	
27 16 19 00-0071	EA		5' Category 6A Patch Cables With Plastic Arch.....	35.27	
27 16 19 00-0072	EA		7' Category 6A Patch Cables With Plastic Arch.....	36.90	
27 16 19 00-0073	EA		10' Category 6A Patch Cables With Plastic Arch.....	42.71	
27 16 19 00-0074	EA		15' Category 6A Patch Cables With Plastic Arch.....	52.03	
27 16 19 00-0075	EA		25' Category 6A Patch Cables With Plastic Arch.....	66.07	

27 20 Data Communications⁽²⁷⁾

27 21 Data Communications Network Equipment^(27 20)

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

^(27 21)

27 21 16 00-0001 Fiber Optic Modems^(27 21 16)

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles.....	2,243.78	268.62
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	4,376.99	268.62

27 21 16 00-0004 Ethernet Hubs and Switches^(27 21 16)

27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management.....	4,261.25	201.76
27 21 16 00-0006	EA	16 Port Unmanaged Hub.....	711.72	134.51
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	5,858.94	134.51
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC).....	1,736.78	67.25

27 21 16 00-0009 Network Equipment^(27 21 16)

27 21 16 00-0010 Communications Entrance Protection^(27 21 16 00-0009)

27 21 16 00-0011	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	1,217.63	100.88
Note: Excludes terminations.				
27 21 16 00-0012	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S).....	14.69	1.34

27 21 16 00-0013 Communications Cabinets, Racks, Frames And Enclosures^(27 21 16 00-0009)

27 21 16 00-0014	EA	19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736).....	1,477.75	100.88
For Fan Kit (Chatsworth 12804-701), Add			204.97	
27 21 16 00-0015	EA	10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	1,345.52	6.72

27 21 16 00-0016 Communications Termination Blocks And Patch Panels^(27 21 16 00-0009)

27 21 16 00-0017 Communications Termination Blocks^(27 21 16 00-0016)

27 21 16 00-0018	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	329.48	20.15
27 21 16 00-0019	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	307.09	20.15
27 21 16 00-0020	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	726.86	20.15
27 21 16 00-0021	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	676.49	20.15

27 Communications**27 20 Data Communications****27 21 Data Communications Network Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0022 EA 110 Connector System Mounting Brackets (CommScope 107535593).....	107.83	20.15
27 21 16 00-0023 EA 110 Connector System Mounting Brackets (CommScope 107535585).....	115.96	20.15
27 21 16 00-0024 EA 110 Connector System Mounting Brackets (CommScope 107098816).....	131.19	20.15
27 21 16 00-0025 Communications Copper Patch Panels (27 21 16 00-0016) Note: Excludes cabinet and terminations.		
27 21 16 00-0026 EA 24 Port, Category 5E Patch Panel (CommScope 108208919).....	333.33	43.71
27 21 16 00-0027 EA 48 Port, Category 5E Patch Panel (CommScope 108208935).....	599.39	53.81
27 21 16 00-0028 EA 24 Port, Category 6 Patch Panel (CommScope 760062372).....	486.73	43.71
27 21 16 00-0029 EA 48 Port, Category 6 Patch Panel (CommScope 760062380).....	899.83	53.81
27 21 16 00-0030 Communications Optical Fiber Patch Panels (27 21 16 00-0016)		
27 21 16 00-0031 Closet Connector Housings (27 21 16 00-0030)		
27 21 16 00-0032 EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	397.33	26.90
Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0033 EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	462.30	26.90
Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0034 EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	574.32	26.90
Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0035 EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	100.98	13.45
27 21 16 00-0036 EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	134.12	13.45
27 21 16 00-0037 EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	112.68	13.45
27 21 16 00-0038 EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	144.83	13.45
27 21 16 00-0039 Communications Cable Management (27 21 16 00-0009)		
27 21 16 00-0040 Horizontal Communication Cable Management (27 21 16 00-0039)		
27 21 16 00-0041 EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	168.30	26.90
27 21 16 00-0042 EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	174.23	26.90
27 21 16 00-0043 Vertical Communication Cable Management (27 21 16 00-0039)		
27 21 16 00-0044 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	1,035.09	67.25
27 21 16 00-0045 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703).....	1,073.46	67.25
27 21 16 00-0046 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703).....	1,159.87	67.25
27 21 16 00-0047 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 21 16 00-0009)		
27 21 16 00-0048 Premise Cross-Connect Wire (27 21 16 00-0047)		
27 21 16 00-0049 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	1.37	0.67
27 21 16 00-0050 Pathways For Communications Systems (27 21 16 00-0009)		
27 21 16 00-0051 Conduits And Back Boxes For Communication Systems (27 21 16 00-0050)		
27 21 16 00-0052 Flexible Conduit For Communication Systems (27 21 16 00-0051)		
27 21 16 00-0053 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson DF4X1C).....	592.88	241.75
27 21 16 00-0054 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson CF4X1C).....	903.19	241.75
27 21 16 00-0055 Tube Cables For Communication Systems (27 21 16 00-0051)		
27 21 16 00-0056 Outdoor/All-Dielectric Tube Cables (27 21 16 00-0055)		
27 21 16 00-0057 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX).....	409.82	161.17
27 21 16 00-0058 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TRX).....	592.38	201.46
27 21 16 00-0059 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	939.22	241.75
27 21 16 00-0060 Indoor/Riser Rated Tube Cables (27 21 16 00-0055)		
27 21 16 00-0061 CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	458.70	161.17
27 21 16 00-0062 CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	553.37	181.31
27 21 16 00-0063 CLF Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	626.32	201.46
27 21 16 00-0064 CLF Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	1,092.65	241.75
27 21 16 00-0065 Indoor/Plenum Rated Tube Cables (27 21 16 00-0055)		
27 21 16 00-0066 CLF Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX).....	356.87	161.17
27 21 16 00-0067 CLF Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	481.78	161.17
27 21 16 00-0068 CLF Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2).....	710.87	181.31
27 21 16 00-0069 CLF Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2).....	1,005.13	201.46
27 21 16 00-0070 CLF Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2).....	2,945.95	241.75
27 21 16 00-0071 Unjacketed Single Tube Cables (27 21 16 00-0055)		
27 21 16 00-0072 CLF Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX).....	318.86	161.17



Communications		27	27
Data Communications		27 20	
Data Communications Network Equipment		27 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0073 Multimode Fiber Bundles (27 21 16 00-0055) Note: Includes optical fiber cables.		
27 21 16 00-0074 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	126.74	48.35
27 21 16 00-0075 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	179.69	48.35
27 21 16 00-0076 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	236.72	48.35
27 21 16 00-0077 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	410.51	48.35
27 21 16 00-0078 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	588.23	56.41
27 21 16 00-0079 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	762.02	56.41
27 21 16 00-0080 Singlemode Fiber Bundles (27 21 16 00-0055) Note: Includes optical fiber cables.		
27 21 16 00-0081 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	115.88	48.35
27 21 16 00-0082 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	138.96	48.35
27 21 16 00-0083 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	157.97	48.35
27 21 16 00-0084 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	194.63	48.35
27 21 16 00-0085 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	289.53	56.41
27 21 16 00-0086 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	372.35	56.41
27 21 16 00-0087 Tube Distribution Cabinets (27 21 16 00-0055)		
27 21 16 00-0088 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU)	240.10	67.25
Note: Up to six 7-tube cables or two 19-tube cables.		
27 21 16 00-0089 Modular Fiber Termination Cabinets (27 21 16 00-0055)		
27 21 16 00-0090 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	293.34	67.25
27 21 16 00-0091 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	310.17	67.25
27 21 16 00-0092 Tube Distribution Accessories (27 21 16 00-0055)		
27 21 16 00-0093 EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	15.34	6.72
27 21 16 00-0094 EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	16.52	6.72
27 21 16 00-0095 EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	19.56	6.72
27 21 16 00-0096 Communications Optical Fiber Cabling (27 21 16 00-0009)		
27 21 16 00-0097 Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0096)		
27 21 16 00-0098 Field Installed Fiber Connectors (27 21 16 00-0097)		
27 21 16 00-0099 EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	39.30	10.09
27 21 16 00-0100 EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	35.40	10.09
27 21 16 00-0101 Buffer Tube Fan-Out Kits (27 21 16 00-0097)		
27 21 16 00-0102 Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0101) Note: Includes 900 micron tubing.		
27 21 16 00-0103 EA 2-Fiber Breakout Kit (Sumitomo FTFLD02)	284.91	134.31
27 21 16 00-0104 EA 4-Fiber Breakout Kit (Sumitomo FTFLD04)	288.99	134.31
27 21 16 00-0105 EA 6-Fiber Breakout Kit (Sumitomo FTFLD06)	292.58	134.31
27 21 16 00-0106 EA 12-Fiber Breakout Kit (Sumitomo FTFLD12)	303.76	134.31
27 21 16 00-0107 EA 18-Fiber Breakout Kit (Sumitomo FTFLD18)	319.05	134.31
27 21 16 00-0108 EA 24-Fiber Breakout Kit (Sumitomo FTFLD24)	330.40	134.31
27 21 16 00-0109 Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0101)		
27 21 16 00-0110 EA 12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	286.80	134.31
27 21 16 00-0111 EA 12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	327.14	134.31
27 21 16 00-0112 Communications Copper Cabling (27 21 16 00-0009)		
27 21 16 00-0113 Copper Communications Cable Splicing And Terminations (27 21 16 00-0112)		
27 21 16 00-0114 Copper Communications Cable Splice Cases (27 21 16 00-0113)		
27 21 16 00-0115 EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	1,294.28	268.62
27 21 16 00-0116 EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,510.65	268.62
27 21 16 00-0117 EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	2,229.64	268.62
27 21 16 00-0118 Modular Splice Connectors (27 21 16 00-0113)		
27 21 16 00-0119 EA 25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	144.81	67.15
27 21 16 00-0120 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	142.47	67.15
27 21 16 00-0121 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	144.86	67.15
27 21 16 00-0122 EA 25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	144.53	67.15

27	Communications
27 20	Data Communications
27 21	Data Communications Network Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 21 26 Data Communications Network Management (27 21)

27 21 26 00-0001 Data Communications Network Management (27 21 26)

27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9).....	717.84	33.58
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	552.08	33.58
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	771.07	33.58
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	1,210.20	33.58
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	112.30	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2).....	534.49	20.15
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232).....	892.56	33.58
27 21 26 00-0009	EA	VPN Router (Cisco 819HG).....	5,358.60	430.41
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	3,855.24	430.41
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	19,835.11	161.17
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis, 2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	619.48	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8).....	13,470.77	161.17
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2).....	29,188.87	161.17
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E).....	687.37	13.45
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	5,038.88	16.78
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	4,369.90	16.78
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US).....	78.66	6.72
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=).....	256.57	67.15
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS).....	3,891.15	161.17
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS).....	815.08	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA).....	26.59	6.72
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC).....	341.69	16.78
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G).....	848.73	16.81
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM).....	124.69	6.72
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	4,587.54	161.17
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8).....	818.34	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	726.42	16.78
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA).....	737.83	16.78
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,589.92	161.17
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	400.43	16.81
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,875.76	16.81
27 21 26 00-0033	EA	Router (CISCO IR829).....	1,683.20	67.25

27 21 29 Data Communications Switches and Hubs (27 21)

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels (27 21 29)

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0051 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	109.16	6.71
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	120.27	6.71
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	141.76	6.71
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	148.37	6.71
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	162.59	8.40
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	153.84	6.71
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	193.05	8.40
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar.....	70.09	8.40

27 21 33 Data Communications Wireless Access Points (27 21)

27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	5,165.31	201.46
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1).....	12,383.18	201.46
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9).....	12,383.18	201.46
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA).....	2,032.72	201.46
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	2,377.09	222.07
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	6,629.56	222.07
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	10,066.67	222.07
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	10,066.67	222.07
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	2,066.58	74.02
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	2,095.44	74.02
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	196.73	37.01
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM).....	1,793.22	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	646.19	67.15
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	536.56	67.15
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	96.44	26.86
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	83.52	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380).....	48.98	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	346.13	67.15



Communications			27
Data Communications			27 20
Data Communications Network Equipment			27 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0020 EA Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	348.26	67.15
27 21 33 00-0021 EA 2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	473.26	67.25
27 21 33 00-0022 EA Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	1,190.00	100.88
27 21 33 00-0023 EA Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,519.96	100.88
27 21 33 00-0024 EA Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	86.51	20.15
27 21 33 00-0025 EA Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	324.86	74.02
27 21 33 00-0026 EA Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	1,055.81	74.02
27 21 33 00-0027 EA Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	5,179.98	67.25
27 21 33 00-0028 EA Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,633.52	67.15

27 22 Data Communications Hardware (27 20)

27 22 19 Data Communications Servers (27 22)

27 22 19 00-0001 Network Communications Frames And Enclosures (27 22 19)

27 22 19 00-0002 EA Communications Equipment Enclosure.....	22,368.31	403.52
Note: APX Enclosures, Inc. part number TCDD727236 or an approved equivalent. UL listed, 72" H x 72" W x 36" D, 0.0125" 5052 aluminum construction, polyester powder finish, ANSI 61 grey out/white in, dual swing rack 19/23", standard EIA spacing, tapped 12-24 adjustable channels on side, thermostat kit, fluorescent light kit, 3PT, latch on main door with pad lock provisions, plywood back panels, and insulation thru-out) with a 12,000 BTU air conditioning unit housed in a stainless steel enclosure.		
27 22 19 00-0003 EA Wall Mounted Equipment Cabinet.....	1,480.40	134.51
Note: Mid-Atlantic DWR-24-22 PD.		
27 22 19 00-0004 EA APX 2 Bay Communications Equipment Enclosure, 72" High x 72" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel.....	11,181.78	
Note: UI 508A Listed Enclosure, NEMA 4x (Two Bay) APX Double Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (1) Door with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on Both Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Lifting Ears, Door Gasket Seals, Removable Center Post, Continuous Stihle Hinges/Hardware, (2) Fluorescent Light Fixtures with door activated switches, (12,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		
27 22 19 00-0005 EA APX 3 Bay Communications Equipment Enclosure, 72" High x 108" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel.....	40,211.92	
Note: UI 508A Listed Enclosure, NEMA 4x (Three Bay) APX Three Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (3) Doors with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on all three Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Two 33 RU Racks positioned inside left and right bays, Lifting Ears Door Gasket Seals, (2) Fixed Center Posts, Continuous Stihle Hinges/Hardware, (3) Fluorescent Light Fixtures with door activated switches, (19,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		

27 24 Data Communications Peripheral Data Equipment (27 20)

27 24 19 External Drives (27 24)

27 24 19 00-0001 Network Equipment (27 24 19)

27 24 19 00-0002 EA 19" Rack Mountable 110-24T Ethernet Switch.....	646.09	44.72
Note: 24 x 10/100Base-TX LAN with SFP (miniGBic) port, Nortel Networks Limited 110-24T Managed Business Ethernet Switch - 24 x 10/100Base-TX LAN model #NT5S01AEE5. Includes testing.		
27 24 19 00-0003 EA 19" Rack Mountable Station Access Router.....	3,361.48	235.04
Note: Nortel Network part number SR2101031E5. Includes testing.		
27 24 19 00-0004 EA 19" Rack Mount LCD Monitor.....	1,604.46	107.44
Note: Nortel Network part number SR2101031E5. Includes testing.		
27 24 19 00-0005 EA 1000VA UPS (Uninterruptible Power Supply).....	1,536.63	122.71
Note: APC SUA1000RM2U. Includes testing.		
27 24 19 00-0006 EA 1000VA UPS (Uninterruptible Power Supply).....	628.10	122.71
Note: APC BR1000. Includes testing.		
27 24 19 00-0007 EA 1200VA UPS (Uninterruptible Power Supply).....	644.51	122.71
Note: APC BR1200. Includes testing.		

27 30 Voice Communications (27)

27 32 Voice Communications Terminal Equipment (27 30)

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets (27 32)

27 32 13 00-0001 Interior Telephone Components (27 32 13)

27 32 13 00-0002 EA Solid State Exchange Unit With Power Supply.....	8,052.66	1,227.29
27 32 13 00-0003 EA Dial Telephone - Handset In Cabinet.....	964.10	100.33
27 32 13 00-0004 EA Elevator Cab Telephone With Trailer Cable.....	492.29	107.57
27 32 13 00-0005 EA Loud Ring Bell, 6".....	387.03	99.79
27 32 13 00-0006 EA Audio/Visual Indicator.....	491.55	94.02
27 32 13 00-0007 EA Administrative Telephone With Digital Display.....	511.36	84.35
27 32 13 00-0008 EA Processing Unit For 16 Station System.....	2,546.78	688.05

27	Communications
27 30	Voice Communications
27 32	Voice Communications Terminal Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 13 00-0009 EA Handset For 16 Station System	360.98	68.50
27 32 13 00-0010 EA Handset In Cabinet, For 16 Station System	488.96	92.40
27 32 13 00-0011 MLF 20 Conductor Unshielded Cable, #22	3,308.49	1,481.00
27 32 13 00-0012 EA Power Supply For 16 Station System	458.54	182.80
27 32 13 00-0013 EA Intercom Terminal Board	407.34	205.76
27 32 13 00-0014 EA Power Supply For Five Station System, 24 Volt DC	476.31	182.80
27 32 13 00-0015 EA Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	231.63	75.10
27 32 13 00-0016 EA Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	721.20	165.29
27 32 13 00-0017 EA Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	851.39	187.87
27 32 13 00-0018 EA Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	1,032.32	222.35
27 32 13 00-0019 EA Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	1,217.35	240.39
27 32 13 00-0020 EA Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,893.78	273.53
27 32 13 00-0021 EA Ring Rung 3"	14.42	7.49
27 32 13 00-0022 EA G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	35.99	13.30
27 32 13 00-0023 EA G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	65.52	27.26

27 32 13 00-0024 Interior Telephone Accessories (27 32 13)

27 32 13 00-0025 EA Blank Telephone Receptacle, Exposed Devices - Complete	15.04	7.25
27 32 13 00-0026 EA 4-Pin Telephone Receptacle, Exposed Devices - Complete	32.78	27.94
27 32 13 00-0027 EA Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	81.25	30.68
27 32 13 00-0028 EA Wall Mount, Level 5, RJ-45 Jack, Complete	76.83	30.68
27 32 13 00-0029 EA Terminating Strips, Inside	155.86	61.36
27 32 13 00-0030 EA Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	68.23	31.56
27 32 13 00-0031 EA Ready Access Closure 3 To 25 Pair	188.39	74.01
27 32 13 00-0032 EA Ready Access Closure 25 To 100 Pair	220.52	82.74
27 32 13 00-0033 EA Termination Block With Bracket 25 Pair	71.41	24.85
27 32 13 00-0034 EA RJ-11 Telephone Receptacle, Concealed Devices - Complete	66.97	31.16
27 32 13 00-0035 EA Interior Protected Terminal 25 Pair	818.99	179.44
27 32 13 00-0036 EA Interior Protected Terminal 50 Pair	972.64	182.25
27 32 13 00-0037 EA Pedestal 6" x 6" x 50" 3 To 100 Pair	325.92	74.68
27 32 13 00-0038 EA Pedestal 8" x 8" x 50" 100 To 300 Pair	336.53	74.68
27 32 13 00-0039 EA Pedestal 10" x 10" x 43" 300 To 600 Pair	444.59	95.49
27 32 13 00-0040 EA Pedestal 10" x 16" x 439 600 Pair	924.03	172.04
27 32 13 00-0041 EA Entrance Protector Terminal 100 Pair	1,280.99	196.35
27 32 13 00-0042 EA Gas Protection Module	19.65	6.71
27 32 13 00-0043 EA Terminating Boxes, Outside With 3 Element Protectors, Per Pair	34.37	6.13

27 32 26 Ring-Down Emergency Telephones (27 32)

27 32 26 00-0001 Emergency Telephone (27 32 26)

Note: Includes CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002 EA Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s)	12,007.04	551.18
27 32 26 00-0003 EA Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d)	12,624.47	551.18
27 32 26 00-0004 EA Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	205.81	
27 32 26 00-0005 EA Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	308.71	
27 32 26 00-0006 EA IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	771.78	
27 32 26 00-0007 EA IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,049.63	
27 32 26 00-0008 EA IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,152.53	
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option	185.23	
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,955.19	
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option	905.56	
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option	2,932.78	
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option	6,163.98	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016 EA Active Venting Code Blue Option	329.29	
27 32 26 00-0017 EA Night Charge Power Code Blue Option	2,871.04	
Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option	720.33	
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option	1,636.18	
Note: Excludes camera.		
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option	72.03	

27 32 26 00-0021 City Police Call System (27 32 26)



Communications			27
Voice Communications			27 30
Voice Communications Terminal Equipment			27 32

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 32 26 00-0022	Components (27 32 26 00-0021)		
27 32 26 00-0023	EA City Police Call System.....	937.38	156.60
27 32 26 00-0024	EA Concrete Foundation For Police Department Telephone Post	842.02	226.84

27 40 Audio-Video Communications (27)

27 41 Audio-Video Systems (27 40)

27 41 16 Integrated Audio-Video Systems and Equipment (27 41)

Note: Includes testing of new devices and certification.

27 41 16 00-0001	Television Distribution System (27 41 16)		
See CSI section 26 05 19 16-0012 for basic wiring.			
27 41 16 00-0002	Mounted Television Support (27 41 16 00-0001)		
27 41 16 00-0003	EA Ceiling Mounted Television Support, 19" To 20".....	524.21	150.64
27 41 16 00-0004	EA Ceiling Mounted Television Support, 19" To 20" With Rack	675.85	168.13
27 41 16 00-0005	EA Ceiling Mounted Television Support, 25" To 27".....	547.05	150.64
27 41 16 00-0006	EA Ceiling Mounted Television Support, 25" To 27" With Rack	698.69	168.13
27 41 16 00-0007	EA Wall Mounted Television Support, 13".....	415.27	121.05
27 41 16 00-0008	EA Wall Mounted Television Support, 13" With Rack.....	566.88	134.51
27 41 16 00-0009	EA Wall Mounted Television Support, 19" To 20".....	445.25	121.05
27 41 16 00-0010	EA Wall Mounted Television Support, 19" To 20" With Rack	596.86	134.51
27 41 16 00-0011	EA Wall Mounted Television Support, 25" To 27".....	475.24	121.05
27 41 16 00-0012	EA Wall Mounted Television Support, 25" To 27" With Rack	626.85	134.51
27 41 16 00-0013	Distribution System (27 41 16 00-0001)		
See CSI section 26 05 13 16-0001 for wire and cabling.			
27 41 16 00-0014	TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015	EA Steel Rack Cabinet With Shelves	1,826.53	246.99
27 41 16 00-0016	EA Switch And Pilot Light.....	285.94	109.73
27 41 16 00-0017	LF Surface Raceway With Outlets	34.27	14.91
27 41 16 00-0018	EA Service Label.....	40.72	20.55
27 41 16 00-0019	Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020	EA Head End Amplifier.....	1,218.59	164.39
27 41 16 00-0021	UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022	EA UHF In-Line Booster	713.37	164.39
27 41 16 00-0023	Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024	EA VHF Preamplifier	891.27	164.39
27 41 16 00-0025	EA UHF Preamplifier	713.37	164.39
27 41 16 00-0026	Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027	EA Common Power Supply	1,273.24	234.90
27 41 16 00-0028	Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029	EA Line Splitter.....	110.95	54.80
27 41 16 00-0030	EA Two-Way Splitter	125.11	54.80
27 41 16 00-0031	EA Frequency Filter.....	276.70	82.33
27 41 16 00-0032	EA Line Splitter And Mixer.....	338.64	120.87
27 41 16 00-0033	Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034	EA 120-Volt Power Supply Line Filter.....	534.99	109.73
27 41 16 00-0035	Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036	EA Wall Box With Lockable Cover, Excluding Outlet Plug	276.70	82.33
27 41 16 00-0037	EA TV Receiver Outlet Plug	125.11	54.80
27 41 16 00-0038	EA TV Camera Outlet Plug.....	125.11	54.80
27 41 16 00-0039	EA Audio Outlet Plug.....	107.37	54.80
27 41 16 00-0040	EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings	223.67	109.73
27 41 16 00-0041	EA Male Plug PL-259	125.11	54.80
27 41 16 00-0042	EA Wall Box And Receiver Outlet Television Outlets	147.96	57.48

27 41 33 Master Antenna Television Systems (27 41)

27 41 33 00-0001	Antenna Systems (27 41 33)		

27	Communications
27 40	Audio-Video Communications
27 41	Audio-Video Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 33 00-0002 Antenna (27 41 33 00-0001)		
27 41 33 00-0003 EA Amateur Radio Antenna.....	1,153.09	201.46
27 41 33 00-0004 EA Multi-Band Radio Antenna.....	898.24	201.46
27 41 33 00-0005 Receptacles (27 41 33 00-0001)		
27 41 33 00-0006 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter.....	258.93	82.33
27 41 33 00-0007 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs.....	258.93	82.33

27 50 Distributed Communications and Monitoring Systems (27)

27 51 Distributed Audio-Video Communications Systems (27 50)

27 51 17 Video Intercom and Exterior Gate Control System (27 51)

27 51 17 00-0001 Video Intercom And Exterior Gate Control System (27 51 17)		
27 51 17 00-0002 EA Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,588.88	168.13
27 51 17 00-0003 EA Audio Video Master Control Station (Aiphone AX-8MV)	1,281.42	168.13
27 51 17 00-0004 EA 16-call Add-on Selector For AX Masters (Aiphone AX-16SW).....	549.79	168.13
27 51 17 00-0005 EA Central Exchange Unit (Aiphone AX-084C).....	1,504.73	84.06
27 51 17 00-0006 EA Central Exchange Unit (Aiphone AX-248C).....	2,047.05	84.06
27 51 17 00-0007 EA Touch Tone Programmable Dialer (Viking K-1900-5).....	157.69	33.63
27 51 17 00-0008 EA Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,081.40	33.63
27 51 17 00-0009 EA Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF).....	1,484.98	33.63
27 51 17 00-0010 EA Surface Mount Audio/Video Door Station (Aiphone AX-DV).....	484.31	33.63
27 51 17 00-0011 EA Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	545.52	33.63
27 51 17 00-0012 EA 12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL)	148.92	16.81
Note: UL Listed		
27 51 17 00-0013 EA 24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL)	161.75	16.81
Note: UL Listed		
27 51 17 00-0014 EA IP Video Master Station (Aiphone IX-MV).....	1,935.81	168.13
27 51 17 00-0015 EA Handset Only For IX-MV (Aiphone 285999)	66.37	6.72
27 51 17 00-0016 EA Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	833.04	168.13
27 51 17 00-0017 EA Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P).....	774.69	33.63
27 51 17 00-0018 EA Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF).....	238.06	33.63
27 51 17 00-0019 EA Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF).....	265.11	33.63
27 51 17 00-0020 EA Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	325.79	50.44
27 51 17 00-0021 EA Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	73.22	16.81

27 51 23 Intercommunications and Program Systems (27 51)

27 51 23 20 Commercial Intercommunications and Program Systems (27 51 23)

27 51 23 20-0001 Intercom (27 51 23 20)		
27 51 23 20-0002 EA Basic Shelf (Dukane STARCall 110-3546A).....	5,651.29	403.52
27 51 23 20-0003 EA Expanded Audio Routing Card (Dukane STARCall 110-3524B).....	2,629.90	
27 51 23 20-0004 EA Expanded Audio Switching Card (Dukane STARCall 110-3534D).....	1,912.89	
27 51 23 20-0005 EA Expanded Administrative Telephone Card (Dukane STARCall Dukane 110-3527A)	1,935.02	
27 51 23 20-0006 EA Protected Balanced Telephone Card (Dukane STARCall 110-3775B).....	4,331.70	
27 51 23 20-0007 EA 250 Watt Power Amplifier (Dukane STARCall 1A4250).....	3,422.16	
27 51 23 20-0008 EA Intercom Amplifier Module (Dukane STARCall 110-3544C).....	859.50	
27 51 23 20-0009 EA Administrative Telephone (Dukane STARCall 7A1110).....	2,070.01	
27 51 23 20-0010 EA AM/FM Tuner / CD Player Preamplifier (Dukane STARCall RCD350P)	3,663.37	
27 51 23 20-0011 EA Digital Display (Dukane STARCall RDU350).....	4,088.27	
27 51 23 20-0012 EA UPS System, 120 Tripp Lite SMARTNET (Emerson PS220RT2-120).....	3,564.66	
27 51 23 20-0013 EA Equipment Cabinet (Atlas Sound 140-18).....	1,911.06	
27 51 23 20-0014 EA Storage Drawer (Atlas Sound SD6-14).....	628.01	
27 51 23 20-0015 EA Master Clock (Dukane 24A715).....	4,487.48	
27 51 23 20-0016 EA Corrective Clock (National Time 030-10EX-LV).....	390.35	
27 51 23 20-0017 EA Clock Backbox (National Time 143-K3).....	50.98	
27 51 23 20-0018 EA Speaker/Transformer Assembly (Dukane 5A606).....	48.77	
27 51 23 20-0019 EA Baffle (Atlas Sound 840-89).....	356.56	
27 51 23 20-0020 EA Surface Mounted Backbox (Atlas Sound SM195-89).....	202.24	
27 51 23 20-0021 EA Dual Call-In Button (Horizon DCSB-1D9).....	95.59	
27 51 23 20-0022 EA Dual Call-In Button With Privacy Control (Horizon DCSB-2P9)	117.72	
27 51 23 20-0023 EA Telephone Punchblock	55.59	
27 51 23 20-0024 EA Ground Rail (Edco MGB).....	34.97	
27 51 23 20-0025 EA Surge Suppressor (Edco OPX-048).....	57.68	
27 51 23 20-0026 EA Surge Suppressor (Edco HCO).....	59.90	

27 51 43 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Amplifiers (27 51 43)		
27 51 43 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	591.91	134.51
27 51 43 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	833.96	134.51
27 51 43 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	989.33	134.51



Communications			27
Distributed Communications and Monitoring Systems			27 50
Distributed Audio-Video Communications Systems			27 51

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 43 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	1,100.18	134.51
27 51 43 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	1,368.79	134.51
27 51 43 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	1,770.47	134.51
27 51 43 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	70.31	6.72
27 51 43 00-0009 Splitters (27 51 43)		
27 51 43 00-0010 EA 24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,522.05	100.73
27 51 43 00-0011 EA 1-in/11-out Splitter (Doug Fleenor DMX)	3,177.80	100.73
27 51 43 00-0012 Speakers (27 51 43)		
27 51 43 00-0013 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	233.86	35.99
27 51 43 00-0014 EA 8" Steel Baffle (Atlas Sound 51-8)	74.00	6.71
27 51 43 00-0015 EA T-Bar Support (Atlas Sound EZ95-8)	82.45	6.71
27 51 43 00-0016 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	127.75	6.71
27 51 43 00-0017 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	119.54	12.08
27 51 43 00-0018 Accessories (27 51 43)		
27 51 43 00-0019 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	341.00	16.81
27 51 43 00-0020 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	764.75	16.81
27 51 43 00-0021 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A)	195.85	33.63
27 51 43 00-0022 EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	360.69	33.63
27 51 43 00-0023 EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	264.32	33.58
27 51 43 00-0024 EA Microphone Jack For Audio/Video System	123.62	33.63
27 51 43 00-0025 EA Terminal Cabinet For Audio/Video System (Atlas 121-18)	1,034.51	134.51
27 51 43 00-0026 EA Volume Control For Audio/Video System (Bogen AT10A).....	118.28	33.63
27 51 43 00-0027 EA Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8).....	83.71	33.63
27 51 43 00-0028 Removal And Reinstallation Of Speakers (27 51 43)		
Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0029 EA Removal And Reinstallation Of Ceiling Mounted Speaker.....	188.03	
27 53 Distributed Systems (27 53)		
27 53 13 Clock Systems (27 53)		
27 53 13 16 Wired Clock Systems (27 53 13)		
27 53 13 16-0001 Wired Self-Corrective Clock Systems (27 53 13 16)		
27 53 13 16-0002 Wired Self-Corrective Clocks (27 53 13 16-0001)		
27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)		
27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)		
27 53 13 16-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	300.31	33.58
For >50 To 100, Deduct		-19.38
For >100, Deduct		-28.71
27 53 13 16-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	716.45	33.58
For >50 To 100, Deduct		-36.03
For >100, Deduct		-62.00
27 53 13 16-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	377.04	33.58
For >50 To 100, Deduct		-25.55
For >100, Deduct		-37.94
27 53 13 16-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	946.65	33.58
For >50 To 100, Deduct		-98.00
For >100, Deduct		-133.18
27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)		
27 53 13 16-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	300.31	33.58
For >50 To 100, Deduct		-19.38
For >100, Deduct		-28.71
27 53 13 16-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	716.45	33.58
For >50 To 100, Deduct		-36.03
For >100, Deduct		-62.00
27 53 13 16-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	377.04	33.58
For >50 To 100, Deduct		-25.55
For >100, Deduct		-37.94
27 53 13 16-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	946.65	33.58
For >50 To 100, Deduct		-98.00
For >100, Deduct		-133.18
27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 16-0003)		
27 53 13 16-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	247.55	16.78
27 53 13 16-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	63.09	16.78
27 53 13 16-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	80.07	16.78
27 53 13 16-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	97.78	16.78

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0019 EA Combination Back Box For Speaker And Clock.....	166.58	26.86
27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)		
27 53 13 16-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	371.14	33.58
For Surface Mount, Add	60.80	
For >50 To 100, Deduct	-18.24	
For >100, Deduct	-30.40	
27 53 13 16-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	571.83	33.58
For Surface Mount, Add	100.94	
For >50 To 100, Deduct	-30.28	
For >100, Deduct	-50.47	
27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	371.14	33.58
For Surface Mount, Add	60.80	
For >50 To 100, Deduct	-18.24	
For >100, Deduct	-30.40	
27 53 13 16-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	571.83	33.58
For Surface Mount, Add	100.94	
For >50 To 100, Deduct	-30.28	
For >100, Deduct	-50.47	
27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	317.29	33.58
For >50 To 100, Deduct	-15.01	
For >100, Deduct	-25.01	
27 53 13 16-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	523.13	33.58
For >50 To 100, Deduct	-27.36	
For >100, Deduct	-45.60	
27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	317.29	33.58
For >50 To 100, Deduct	-15.01	
For >100, Deduct	-25.01	
27 53 13 16-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	523.13	33.58
For >50 To 100, Deduct	-27.36	
For >100, Deduct	-45.60	
27 53 13 16-0033 Accessories For Digital Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	337.57	16.78
27 53 13 16-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	80.80	16.78
27 53 13 16-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	111.79	16.78
27 53 13 16-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks.....	294.77	16.78
27 53 13 16-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	83.02	16.78
27 53 13 16-0039 Wired Self-Corrective Master Clocks (27 53 13 16-0001)		
27 53 13 16-0040 Wired Self-Corrective Master Clocks (27 53 13 16-0039)		
27 53 13 16-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	3,482.67	268.62
27 53 13 16-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	3,704.02	268.62
27 53 13 16-0043 Accessories For Wired Self-Corrective Master Clocks (27 53 13 16-0039)		
27 53 13 16-0044 EA 5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	357.89	67.15
27 53 13 16-0045 EA 10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	404.36	67.15
27 53 13 16-0046 Other Clock And Program Systems (27 53 13 16)		
27 53 13 16-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	2,064.21	134.31
27 53 13 16-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	2,503.06	268.62
27 53 13 16-0049 EA Program Bell (Lathem 906-6).....	307.22	67.15
27 53 13 16-0050 EA Combination Clock And Speaker.....	698.51	167.89

END OF SECTION 27



		Earthwork	31	31
		Maintenance of Earthwork	31 01	
		Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork⁽³¹⁾

31 01 20 Maintenance of Earth Moving^(31 01)

31 01 20 00-0001	Rip Settling Basins ^(31 01 20)	
Note: Rip through light soil and sand in settling basin. 8' on center (machine width).		
31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	730.28
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	1,121.84
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	975.05

31 05 Common Work Results for Earthwork⁽³¹⁾

31 05 13 Soils for Earthwork^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.

31 05 13 00-0001	Fill Material (Loose, Purchased Material) ^(31 05 13)	
Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.		
31 05 13 00-0002	CY Bank Run/Fill Sand	33.03
	For Up To 8, Add	6.61
	For >8 To 16, Add	3.30
	For >48 To 64, Deduct	-2.53
	For >64 To 96, Deduct	-4.18
	For >96 To 168, Deduct	-5.83
	For >168 To 240, Deduct	-7.10
	For >240, Deduct	-8.36
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand	38.36
	For Up To 8, Add	7.67
	For >8 To 16, Add	3.84
	For >48 To 64, Deduct	-2.80
	For >64 To 96, Deduct	-4.71
	For >96 To 168, Deduct	-6.63
	For >168 To 240, Deduct	-8.03
	For >240, Deduct	-9.43
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	51.16
	For Up To 8, Add	10.23
	For >8 To 16, Add	5.12
	For >48 To 64, Deduct	-3.44
	For >64 To 96, Deduct	-5.99
	For >96 To 168, Deduct	-8.55
	For >168 To 240, Deduct	-10.27
	For >240, Deduct	-11.99
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand	46.36
	For Up To 8, Add	9.27
	For >8 To 16, Add	4.64
	For >48 To 64, Deduct	-3.20
	For >64 To 96, Deduct	-5.51
	For >96 To 168, Deduct	-7.83
	For >168 To 240, Deduct	-9.43
	For >240, Deduct	-11.03
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand	79.43
	For Up To 8, Add	15.89
	For >8 To 16, Add	7.94
	For >48 To 64, Deduct	-4.85
	For >64 To 96, Deduct	-8.82
	For >96 To 168, Deduct	-12.79
	For >168 To 240, Deduct	-15.22
	For >240, Deduct	-17.64
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt	37.91
	For Up To 8, Add	7.58
	For >8 To 16, Add	3.79
	For >48 To 64, Deduct	-2.77
	For >64 To 96, Deduct	-4.67
	For >96 To 168, Deduct	-6.56
	For >168 To 240, Deduct	-7.95
	For >240, Deduct	-9.34
31 05 13 00-0008	CY Lime Rock Screening	42.00
	For Up To 8, Add	8.40
	For >8 To 16, Add	4.20
	For >48 To 64, Deduct	-2.98
	For >64 To 96, Deduct	-5.08
	For >96 To 168, Deduct	-7.18
	For >168 To 240, Deduct	-8.67
	For >240, Deduct	-10.16

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 13 Soils for Earthwork**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0009 CY Crushed Lime Rock Maximum 3-1/2"	42.00	
For Up To 8, Add	8.40	
For >8 To 16, Add	4.20	
For >48 To 64, Deduct	-2.98	
For >64 To 96, Deduct	-5.08	
For >96 To 168, Deduct	-7.18	
For >168 To 240, Deduct	-8.67	
For >240, Deduct	-10.16	
31 05 13 00-0010 CY Sand/Clay	34.38	
For Up To 8, Add	6.88	
For >8 To 16, Add	3.44	
For >48 To 64, Deduct	-2.60	
For >64 To 96, Deduct	-4.32	
For >96 To 168, Deduct	-6.04	
For >168 To 240, Deduct	-7.33	
For >240, Deduct	-8.63	
31 05 13 00-0011 CY Recycled Concrete Aggregate	37.76	
For Up To 8, Add	7.55	
For >8 To 16, Add	3.78	
For >48 To 64, Deduct	-2.77	
For >64 To 96, Deduct	-4.65	
For >96 To 168, Deduct	-6.54	
For >168 To 240, Deduct	-7.93	
For >240, Deduct	-9.31	
31 05 13 00-0012 CY Pit Run Clay	52.44	
For Up To 8, Add	10.49	
For >8 To 16, Add	5.24	
For >48 To 64, Deduct	-3.50	
For >64 To 96, Deduct	-6.12	
For >96 To 168, Deduct	-8.74	
For >168 To 240, Deduct	-10.49	
For >240, Deduct	-12.24	
31 05 13 00-0013 CY Light Clay / Loam	43.67	
For Up To 8, Add	8.73	
For >8 To 16, Add	4.37	
For >48 To 64, Deduct	-3.06	
For >64 To 96, Deduct	-5.25	
For >96 To 168, Deduct	-7.43	
For >168 To 240, Deduct	-8.96	
For >240, Deduct	-10.49	
31 05 13 00-0014 CY Heavy Clay	52.44	
For Up To 8, Add	10.49	
For >8 To 16, Add	5.24	
For >48 To 64, Deduct	-3.50	
For >64 To 96, Deduct	-6.12	
For >96 To 168, Deduct	-8.74	
For >168 To 240, Deduct	-10.49	
For >240, Deduct	-12.24	

31 05 16 Aggregates for Earthwork (31 05)

See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.

31 05 16 00-0001	Aggregate (Loose, Purchased Material) (31 05 16)	
	Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles, 01 74 19 00-0045 for hauling greater than 15 miles.	
31 05 16 00-0002	CY #2 (1-1/2" To 2-1/2" Clean) Stone Aggregate Fill	55.90
	For Up To 8, Add	11.18
	For >8 To 16, Add	5.59
	For >48 To 64, Deduct	-3.67
	For >64 To 96, Deduct	-6.47
	For >96 To 168, Deduct	-9.26
	For >168 To 240, Deduct	-11.10
	For >240, Deduct	-12.94
31 05 16 00-0003	CY #3 (1" To 2" Clean) Stone Aggregate Fill	58.15
	For Up To 8, Add	11.63
	For >8 To 16, Add	5.82
	For >48 To 64, Deduct	-3.79
	For >64 To 96, Deduct	-6.69
	For >96 To 168, Deduct	-9.60
	For >168 To 240, Deduct	-11.49
	For >240, Deduct	-13.39
31 05 16 00-0004	CY #4 (3/4" To 1-1/2" Clean) Stone Aggregate Fill	55.90
	For Up To 8, Add	11.18
	For >8 To 16, Add	5.59
	For >48 To 64, Deduct	-3.67
	For >64 To 96, Deduct	-6.47
	For >96 To 168, Deduct	-9.26
	For >168 To 240, Deduct	-11.10
	For >240, Deduct	-12.94



Earthwork		31
Common Work Results for Earthwork		31 05
Aggregates for Earthwork		31 05 16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005 CY #5 (1/2" To 1" Clean) Stone Aggregate Fill	59.78	
For Up To 8, Add	11.96	
For >8 To 16, Add	5.98	
For >48 To 64, Deduct	-3.87	
For >64 To 96, Deduct	-6.86	
For >96 To 168, Deduct	-9.85	
For >168 To 240, Deduct	-11.78	
For >240, Deduct	-13.71	
31 05 16 00-0006 CY #6 (3/8" To 3/4" Clean) Stone Aggregate Fill	62.06	
For Up To 8, Add	12.41	
For >8 To 16, Add	6.21	
For >48 To 64, Deduct	-3.98	
For >64 To 96, Deduct	-7.08	
For >96 To 168, Deduct	-10.19	
For >168 To 240, Deduct	-12.18	
For >240, Deduct	-14.17	
31 05 16 00-0007 CY #56 (3/8" To 1") Stone Aggregate Fill	60.13	
For Up To 8, Add	12.03	
For >8 To 16, Add	6.01	
For >48 To 64, Deduct	-3.88	
For >64 To 96, Deduct	-6.89	
For >96 To 168, Deduct	-9.90	
For >168 To 240, Deduct	-11.84	
For >240, Deduct	-13.78	
31 05 16 00-0008 CY #57 (3/8" To 1") Stone Aggregate Fill	64.12	
For Up To 8, Add	12.82	
For >8 To 16, Add	6.41	
For >48 To 64, Deduct	-4.08	
For >64 To 96, Deduct	-7.29	
For >96 To 168, Deduct	-10.50	
For >168 To 240, Deduct	-12.54	
For >240, Deduct	-14.58	
31 05 16 00-0009 CY #67 Or #68 (3/16" To 3/4") Stone Aggregate Fill	58.02	
For Up To 8, Add	11.60	
For >8 To 16, Add	5.80	
For >48 To 64, Deduct	-3.78	
For >64 To 96, Deduct	-6.68	
For >96 To 168, Deduct	-9.58	
For >168 To 240, Deduct	-11.47	
For >240, Deduct	-13.36	
31 05 16 00-0010 CY #71 (3/8" To 1/2") Stone Aggregate Fill	59.13	
For Up To 8, Add	11.83	
For >8 To 16, Add	5.91	
For >48 To 64, Deduct	-3.83	
For >64 To 96, Deduct	-6.79	
For >96 To 168, Deduct	-9.75	
For >168 To 240, Deduct	-11.66	
For >240, Deduct	-13.58	
31 05 16 00-0011 CY #78 (3/32" To 1/2") Stone Aggregate Fill	59.61	
For Up To 8, Add	11.92	
For >8 To 16, Add	5.96	
For >48 To 64, Deduct	-3.86	
For >64 To 96, Deduct	-6.84	
For >96 To 168, Deduct	-9.82	
For >168 To 240, Deduct	-11.75	
For >240, Deduct	-13.68	
31 05 16 00-0012 CY #8 (3/32" To 3/8") Stone Aggregate Fill	62.06	
For Up To 8, Add	12.41	
For >8 To 16, Add	6.21	
For >48 To 64, Deduct	-3.98	
For >64 To 96, Deduct	-7.08	
For >96 To 168, Deduct	-10.19	
For >168 To 240, Deduct	-12.18	
For >240, Deduct	-14.17	
31 05 16 00-0013 CY #89 (1/16" To 3/8") Stone Aggregate Fill	62.75	
For Up To 8, Add	12.55	
For >8 To 16, Add	6.28	
For >48 To 64, Deduct	-4.02	
For >64 To 96, Deduct	-7.15	
For >96 To 168, Deduct	-10.29	
For >168 To 240, Deduct	-12.30	
For >240, Deduct	-14.31	
31 05 16 00-0014 CY #9 (3/32" To 3/16") Stone Aggregate Fill	62.06	
For Up To 8, Add	12.41	
For >8 To 16, Add	6.21	
For >48 To 64, Deduct	-3.98	
For >64 To 96, Deduct	-7.08	
For >96 To 168, Deduct	-10.19	
For >168 To 240, Deduct	-12.18	
For >240, Deduct	-14.17	

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 16 Aggregates for Earthwork**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0015 CY #10 (1/16" To 3/16") Stone Aggregate Fill	63.47	
For Up To 8, Add	12.69	
For >8 To 16, Add	6.35	
For >48 To 64, Deduct	-4.05	
For >64 To 96, Deduct	-7.23	
For >96 To 168, Deduct	-10.40	
For >168 To 240, Deduct	-12.42	
For >240, Deduct	-14.45	
31 05 16 00-0016 CY #610 (1/16" To 3/4") Modified Stone Aggregate Fill	62.75	
For Up To 8, Add	12.55	
For >8 To 16, Add	6.28	
For >48 To 64, Deduct	-4.02	
For >64 To 96, Deduct	-7.15	
For >96 To 168, Deduct	-10.29	
For >168 To 240, Deduct	-12.30	
For >240, Deduct	-14.31	
31 05 16 00-0017 CY 3/16" Max Screenings Stone Aggregate Fill	52.75	
For Up To 8, Add	10.55	
For >8 To 16, Add	5.28	
For >48 To 64, Deduct	-3.52	
For >64 To 96, Deduct	-6.15	
For >96 To 168, Deduct	-8.79	
For >168 To 240, Deduct	-10.55	
For >240, Deduct	-12.31	
31 05 16 00-0018 CY Over 6" To 12" Stone Aggregate Fill, Random Size	57.27	
For Up To 8, Add	11.45	
For >8 To 16, Add	5.73	
For >48 To 64, Deduct	-3.74	
For >64 To 96, Deduct	-6.61	
For >96 To 168, Deduct	-9.47	
For >168 To 240, Deduct	-11.34	
For >240, Deduct	-13.21	
31 05 16 00-0019 CY Over 6" To 12" Graded Stone Aggregate Fill	57.27	
For Up To 8, Add	11.45	
For >8 To 16, Add	5.73	
For >48 To 64, Deduct	-3.74	
For >64 To 96, Deduct	-6.61	
For >96 To 168, Deduct	-9.47	
For >168 To 240, Deduct	-11.34	
For >240, Deduct	-13.21	
31 05 16 00-0020 CY 3" To 7" Surge Stone Aggregate Fill, Random Size	61.79	
For Up To 8, Add	12.36	
For >8 To 16, Add	6.18	
For >48 To 64, Deduct	-3.97	
For >64 To 96, Deduct	-7.06	
For >96 To 168, Deduct	-10.15	
For >168 To 240, Deduct	-12.13	
For >240, Deduct	-14.11	
31 05 16 00-0021 CY 3" To 7" Surge Stone Graded Aggregate Fill	65.01	
For Up To 8, Add	13.00	
For >8 To 16, Add	6.50	
For >48 To 64, Deduct	-4.13	
For >64 To 96, Deduct	-7.38	
For >96 To 168, Deduct	-10.63	
For >168 To 240, Deduct	-12.69	
For >240, Deduct	-14.76	
31 05 16 00-0022 CY 2-1/2" Minus Crusher Run Aggregate Fill	37.02	
For Up To 8, Add	7.40	
For >8 To 16, Add	3.70	
For >48 To 64, Deduct	-2.73	
For >64 To 96, Deduct	-4.58	
For >96 To 168, Deduct	-6.43	
For >168 To 240, Deduct	-7.80	
For >240, Deduct	-9.16	
31 05 16 00-0023 CY 1-1/2" Minus Crusher Run Aggregate Fill	40.56	
For Up To 8, Add	8.11	
For >8 To 16, Add	4.06	
For >48 To 64, Deduct	-2.91	
For >64 To 96, Deduct	-4.93	
For >96 To 168, Deduct	-6.96	
For >168 To 240, Deduct	-8.42	
For >240, Deduct	-9.87	
31 05 16 00-0024 CY 3/4" Minus Crusher Run Aggregate Fill	38.26	
For Up To 8, Add	7.65	
For >8 To 16, Add	3.83	
For >48 To 64, Deduct	-2.79	
For >64 To 96, Deduct	-4.70	
For >96 To 168, Deduct	-6.62	
For >168 To 240, Deduct	-8.01	
For >240, Deduct	-9.41	



Earthwork		31
Common Work Results for Earthwork		31 05
Aggregates for Earthwork		31 05 16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0025 CY #20 Silica Sand For Playground Use Only.....	225.28	
For Up To 8, Add	45.06	
For >8 To 16, Add	22.53	
For >48 To 64, Deduct	-12.14	
For >64 To 96, Deduct	-23.41	
For >96 To 168, Deduct	-34.67	
For >168 To 240, Deduct	-40.74	
For >240, Deduct	-46.81	
31 05 16 00-0026 CY Graded Aggregate Base Fill (3/4" Minus) Class II Base	57.57	
For Up To 8, Add	11.51	
For >8 To 16, Add	5.76	
For >48 To 64, Deduct	-3.76	
For >64 To 96, Deduct	-6.64	
For >96 To 168, Deduct	-9.51	
For >168 To 240, Deduct	-11.39	
For >240, Deduct	-13.27	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization⁽³¹⁾

⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing⁽³¹⁾

31 11 Clearing and Grubbing^(31 10)

31 11 00 00-0001 Clear And Grub Roots And Stumps^(31 11)

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	7,830.59
	Note: Includes grub and removal of stump	
31 11 00 00-0003	ACR Clear And Grub Light Stumps Only Up To 6" Diameter	2,324.71
31 11 00 00-0004	ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	10,440.78
	Note: Includes grub and removal of stump	
31 11 00 00-0005	ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	3,874.51
31 11 00 00-0006	ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	14,356.07
	Note: Includes grub and removal of stump	
31 11 00 00-0007	ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter	5,811.77
31 11 00 00-0008	ACR Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip	20,881.56
	Note: Includes grub and removal of stump	
31 11 00 00-0009	ACR Clear And Grub Heavy Stumps Only Up To 24" Diameter	8,136.47
31 11 00 00-0010	ACR Clearing By Machine - Light Brush Without Grub	351.27
31 11 00 00-0011	ACR Clearing By Machine - Medium Brush Without Grub	730.29
31 11 00 00-0012	ACR Clearing By Machine - Heavy Brush Without Grub	1,033.71
31 11 00 00-0013	ACR Chipping - Light Brush	2,784.70
31 11 00 00-0014	ACR Chipping - Medium Brush	3,580.52
31 11 00 00-0015	ACR Chipping - Heavy Brush	5,013.18

31 11 00 00-0016 Loading Of Cleared And Grubbed Material^(31 11)

See CSI section 01 74 19 00-0043 for hauling.

31 11 00 00-0017	CY Machine Loading Of Cleared And Grubbed Material	12.32
31 11 00 00-0018	CY Chute Loading Of Cleared And Grubbed Material	14.80
31 11 00 00-0019	CY Hand Loading Of Cleared And Grubbed Material	42.39
31 11 00 00-0020	CY Wheel And Ramp Loading Of Cleared And Grubbed Material	33.30

31 13 Selective Tree and Shrub Removal and Trimming^(31 10)

31 13 13 Selective Tree and Shrub Removal^(31 13)

31 13 13 00-0001 Individual Tree Removal^(31 13 13)

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	652.55
	Note: Includes cutting up tree, chipping and loading.	
	For >4 To 10, Deduct	-39.15
	For >25, Deduct	-122.35
31 13 13 00-0003	EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	978.82
	Note: Includes cutting up tree, chipping and loading.	
	For >4 To 10, Deduct	-58.73
	For >25, Deduct	-183.53
31 13 13 00-0004	EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	1,305.10
	Note: Includes cutting up tree, chipping and loading.	
	For >4 To 10, Deduct	-78.31
	For >25, Deduct	-244.71
31 13 13 00-0005	EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,957.64
	Note: Includes cutting up tree, chipping and loading.	
	For >4 To 10, Deduct	-117.46
	For >25, Deduct	-367.06

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree and Shrub Removal and Trimming**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading. For >4 To 10, Deduct For >25, Deduct	2,610.19 -156.61 -489.41	
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading. For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct For >4 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	3,262.74 -815.69 -195.76 -407.84 -611.76	
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading. For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct For >4 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	3,915.29 -978.82 -234.92 -489.41 -734.12	
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading. For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct For >4 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	5,220.40 -1,305.10 -313.22 -652.55 -978.83	
31 13 13 00-0010		Stump Removal (31 13 13) Note: Measured by diameter of stump.		
31 13 13 00-0011		Stump Removal By Machine (31 13 13 00-0010)		
31 13 13 00-0012	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading. For >10, Deduct	116.24 -17.44	
31 13 13 00-0013	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading. For >10, Deduct	222.78 -33.42	
31 13 13 00-0014	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading. For >10, Deduct	290.59 -43.59	
31 13 13 00-0015	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading. For >10, Deduct	435.89 -65.38	
31 13 13 00-0016	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading. For >10, Deduct	513.41 -77.01	
31 13 13 00-0017	EA	>48" To 60" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading. For >10, Deduct	604.42 -90.66	
31 13 13 00-0018	EA	>60" To 72" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading. For >10, Deduct	716.78 -107.52	
31 13 13 00-0019	EA	>72" To 84" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading. For >10, Deduct	842.70 -126.41	
31 13 13 00-0020		Stump Removal By Hand (31 13 13 00-0010)		
31 13 13 00-0021	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	684.77	
31 13 13 00-0022	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	855.97	
31 13 13 00-0023	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,255.42	
31 13 13 00-0024	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,711.93	
31 13 13 00-0025	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,282.58	
31 13 13 00-0026	EA	>48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,853.23	
31 13 13 00-0027	EA	>60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,423.88	
31 13 13 00-0028	EA	>72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,994.53	
31 13 13 00-0029		Stump Grinding (31 13 13) Note: Measured by diameter of stump.		
31 13 13 00-0030		Stump Grinding, 18" Deep Below Surface Of Soil (31 13 13 00-0029) Note: Level soil to match existing surface area.		



Earthwork		31	15
Site Clearing		31 10	
Selective Tree and Shrub Removal and Trimming		31 13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0031	EA	Stump Grinding Up To 6" Tree	127.62	
		For 24" Depth, Add	25.52	
		For >10, Deduct	-15.95	
31 13 13 00-0032	EA	Stump Grinding >6" To 12" Tree.....	159.52	
		For 24" Depth, Add	31.90	
		For >10, Deduct	-19.94	
31 13 13 00-0033	EA	Stump Grinding >12" To 15" Tree.....	191.43	
		For 24" Depth, Add	38.29	
		For >10, Deduct	-23.93	
31 13 13 00-0034	EA	Stump Grinding >15" To 18" Tree.....	212.70	
		For 24" Depth, Add	42.54	
		For >10, Deduct	-26.59	
31 13 13 00-0035	EA	Stump Grinding >18" To 21" Tree.....	228.66	
		For 24" Depth, Add	45.73	
		For >10, Deduct	-28.58	
31 13 13 00-0036	EA	Stump Grinding >21" To 24" Tree.....	244.61	
		For 24" Depth, Add	48.92	
		For >10, Deduct	-30.58	
31 13 13 00-0037	EA	Stump Grinding >24" To 27" Tree.....	265.87	
		For 24" Depth, Add	53.17	
		For >10, Deduct	-33.23	
31 13 13 00-0038	EA	Stump Grinding >27" To 30" Tree.....	290.06	
		For 24" Depth, Add	58.01	
		For >10, Deduct	-36.26	
31 13 13 00-0039	EA	Stump Grinding >30" To 33" Tree.....	322.29	
		For 24" Depth, Add	64.46	
		For >10, Deduct	-40.29	
31 13 13 00-0040	EA	Stump Grinding >33" To 36" Tree.....	354.53	
		For 24" Depth, Add	70.91	
		For >10, Deduct	-44.32	
31 13 13 00-0041	EA	Stump Grinding >36" To 42" Tree.....	386.75	
		For 24" Depth, Add	77.35	
		For >10, Deduct	-48.34	
31 13 13 00-0042	EA	Stump Grinding >42" To 48" Tree.....	429.73	
		For 24" Depth, Add	85.95	
		For >10, Deduct	-53.72	
31 13 13 00-0043	EA	Stump Grinding >48" To 60" Tree.....	537.16	
		For 24" Depth, Add	107.43	
		For >10, Deduct	-67.15	
31 13 13 00-0044	EA	Stump Grinding >60" To 72" Tree.....	671.45	
		For 24" Depth, Add	134.29	
		For >10, Deduct	-83.93	
31 13 13 00-0045	EA	Stump Grinding >72" To 84" Tree.....	859.45	
		For 24" Depth, Add	171.89	
		For >10, Deduct	-107.43	
31 13 13 00-0046		Fallen Tree Removal (31 13 13)		
		Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.		
31 13 13 00-0047	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	522.04	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-130.51	
		For >4 To 10, Deduct	-31.32	
		For >10 To 25, Deduct	-65.26	
		For >25, Deduct	-97.88	
31 13 13 00-0048	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	783.06	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-195.77	
		For >4 To 10, Deduct	-46.98	
		For >10 To 25, Deduct	-97.88	
		For >25, Deduct	-146.82	
31 13 13 00-0049	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	1,044.08	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-261.02	
		For >4 To 10, Deduct	-62.64	
		For >10 To 25, Deduct	-130.51	
		For >25, Deduct	-195.77	
31 13 13 00-0050	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	1,566.12	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-391.53	
		For >4 To 10, Deduct	-93.97	
		For >10 To 25, Deduct	-195.77	
		For >25, Deduct	-293.65	
31 13 13 00-0051	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	2,088.15	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-522.04	
		For >4 To 10, Deduct	-125.29	
		For >10 To 25, Deduct	-261.02	
		For >25, Deduct	-391.53	

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree and Shrub Removal and Trimming**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0052	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading. <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i> <i>For >4 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	2,610.19 -652.55 -156.61 -326.27 -489.41	
31 13 16		Selective Tree and Shrub Trimming ^(31 13) See CSI section 32 01 90 23-0000 for tree pruning.		
31 13 16 00-0001		Tree Trimming For Pole Line Construction And Maintenance ^(31 13 16) Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.11	
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.17	
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	3.73	
31 13 16 00-0005		Tree Trimming For County Roadway Maintenance ^(31 13 16) Note: Includes storm water control, roadway signage, lane closure and traffic control, flaggers, mobilization, tree trimming, removal, disposal, and sweeping roadway.		
31 13 16 00-0006	MI	Tree Trimming, For County Roadway Maintenance	8,634.16	
31 13 16 00-0007		Tree Branch Trimming And Removal For Maintenance Along Building Or Structure ^(31 13 16) Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.		
31 13 16 00-0008	EA	Minimum Charge For Trim Tree Branch	773.53	
31 13 16 00-0009	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	19.34	
31 13 16 00-0010	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	21.75	
31 13 16 00-0011	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	26.59	
31 13 16 00-0012	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	24.18	
31 13 16 00-0013	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	27.19	
31 13 16 00-0014	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	33.24	
31 20		Earth Moving ⁽³¹⁾ Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.		
31 22		Grading ^(31 20)		
31 22 13		Rough Grading ^(31 22) See CSI section 31 23 16 00-0000 for rough grading.		
31 22 16		Fine Grading ^(31 22)		
31 22 16 13		Roadway Subgrade Reshaping ^(31 22 16) See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.		
31 22 19		Finish Grading ^(31 22)		
31 22 19 13		Spreading and Grading Topsoil ^(31 22 19)		
31 22 19 13-0001		Site Grading For Areas Outside Of Structures And Slabs ^(31 22 19 13) Note: Use of bobcat type equipment or hand for finish grading for positive drainage.		
31 22 19 13-0002		Hand Digging And Grading ^(31 22 19 13-0001)		
31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.16	
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade.....	1.06	
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.10	
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.92	
31 22 19 13-0007		Machine Operations ^(31 22 19 13-0001)		



	Earthwork	31	
	Earth Moving	31 20	
	Grading	31 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 22 19 13-0008 Machine Operations With Grader ^(31 22 19 13-0007)		
31 22 19 13-0009 CSY Semi-Grade, 2 Passes With Grader	450.35	
31 22 19 13-0010 CSY Fine Grade, 3 Passes With Grader	625.48	
31 23 Excavation and Fill ^(31 20)		
31 23 16 Excavation ^(31 23)		
31 23 16 13 Trenching ^(31 23 16)		
Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.		
31 23 16 13-0001 Excavation For Trenching By Machine ^(31 23 16 13)		
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0002 CY 12" Wide or Less, Excavation for Trenching by Machine in Soil	11.97	
For Excavation In Light Material (Class A), Deduct	-1.50	
For Excavation In Heavy/Wet Material (Class C), Add	4.79	
For Up To 20, Add	11.97	
For >20 To 50, Add	8.98	
For >50 To 250, Add	4.79	
For >250 To 500, Add	1.80	
For >1,000, Deduct	-1.80	
31 23 16 13-0003 CY Over 12" Wide, Excavation for Trenching by Machine in Soil	7.74	
For Excavation In Light Material (Class A), Deduct	-0.97	
For Excavation In Heavy/Wet Material (Class C), Add	3.10	
For Up To 20, Add	7.74	
For >20 To 50, Add	5.81	
For >50 To 250, Add	3.10	
For >250 To 500, Add	1.16	
For >1,000, Deduct	-1.16	
31 23 16 13-0004 CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	19.82	
Note: Includes compacted aggregate		
For Up To 20, Add	19.82	
For >20 To 50, Add	14.87	
For >50 To 250, Add	7.93	
For >250 To 500, Add	2.97	
For >1,000, Deduct	-2.97	
31 23 16 13-0005 CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	13.73	
Note: Includes compacted aggregate		
For Up To 20, Add	13.73	
For >20 To 50, Add	10.30	
For >50 To 250, Add	5.49	
For >250 To 500, Add	2.06	
For >1,000, Deduct	-2.06	
31 23 16 13-0006 Excavation For Trenching By Hand ^(31 23 16 13)		
31 23 16 13-0007 CY Excavation For Trenching By Hand In Soil	139.88	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0008 CY Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate	239.93	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0009 SF Trim Bottom Of Excavation Hand Labor	1.09	
Note: For use with machine excavation.		
31 23 16 13-0010 SF Trim Slopes/Sides Of Excavation Hand Labor	1.25	
Note: For use with machine excavation.		
31 23 16 13-0011 Backfilling Or Placing Subbase For Trenches ^(31 23 16 13)		
Note: With imported or stockpiled materials.		
31 23 16 13-0012 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.37	
For Up To 20, Add	4.37	
For >20 To 50, Add	3.28	
For >50 To 250, Add	1.75	
For >250 To 500, Add	0.66	
For >1,000, Deduct	-0.66	
31 23 16 13-0013 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	38.86	
31 23 16 13-0014 Compaction Of Fill Or Subbase For Trenches ^(31 23 16 13)		
Note: Includes restoration of final grade.		
31 23 16 13-0015 CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, etc.	8.10	
For Up To 20, Add	8.10	
For >20 To 50, Add	6.08	
For >50 To 250, Add	3.24	
For >250 To 500, Add	1.22	
For >1,000, Deduct	-1.22	
31 23 16 13-0016 CY Compaction of Fill or Subbase for Trenches by Hand	43.83	
31 23 16 13-0017 Loading Excess Material For Removal From Excavation For Trenches ^(31 23 16 13)		
Note: Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0043 for hauling.		

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0018	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	7.59	
		For Up To 20, Add	7.59	
		For >20 To 50, Add	5.69	
		For >50 To 250, Add	3.04	
		For >250 To 500, Add	1.14	
		For >1,000, Deduct	-1.14	
31 23 16 13-0019	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	102.56	
31 23 16 13-0020		Spread Excess Or Imported Material For Trenches (31 23 16 13)		
		Note: Includes hand work by laborer for cleanup.		
31 23 16 13-0021	CY	Spread Excess Or Imported Material On Site With Machine	3.61	
		For Up To 20, Add	3.61	
		For >20 To 50, Add	2.71	
		For >50 To 250, Add	1.44	
		For >250 To 500, Add	0.54	
		For >1,000, Deduct	-0.54	
31 23 16 13-0022		Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13)		
		Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0023	LF	Direct Burial of Cable or Piping up to 12" Deep	2.67	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.93	
31 23 16 13-0025	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.17	
31 23 16 13-0026	LF	Direct Burial of Cable or Piping >36" to 48" Deep	4.71	
31 23 16 13-0027		Utility Chain Trencher (31 23 16 13)		
31 23 16 13-0028		Utility Trench, Chain Trencher (31 23 16 13-0027)		
		Note: Earth left adjacent to trench.		
31 23 16 13-0029	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.48	
		For >100 To 250, Deduct	-0.10	
		For >250 To 500, Deduct	-0.22	
		For >500, Deduct	-0.44	
31 23 16 13-0030	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.62	
		For >100 To 250, Deduct	-0.11	
		For >250 To 500, Deduct	-0.24	
		For >500, Deduct	-0.49	
31 23 16 13-0031	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.68	
		For >100 To 250, Deduct	-0.12	
		For >250 To 500, Deduct	-0.25	
		For >500, Deduct	-0.50	
31 23 16 13-0032	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.77	
		For >100 To 250, Deduct	-0.12	
		For >250 To 500, Deduct	-0.27	
		For >500, Deduct	-0.53	
31 23 16 13-0033	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.94	
		For >100 To 250, Deduct	-0.14	
		For >250 To 500, Deduct	-0.29	
		For >500, Deduct	-0.58	
31 23 16 13-0034	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.22	
		For >100 To 250, Deduct	-0.16	
		For >250 To 500, Deduct	-0.33	
		For >500, Deduct	-0.67	
31 23 16 13-0035	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.66	
		For >100 To 250, Deduct	-0.19	
		For >250 To 500, Deduct	-0.40	
		For >500, Deduct	-0.80	
31 23 16 13-0036	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.52	
		For >100 To 250, Deduct	-0.18	
		For >250 To 500, Deduct	-0.38	
		For >500, Deduct	-0.76	
31 23 16 13-0037	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.96	
		For >100 To 250, Deduct	-0.21	
		For >250 To 500, Deduct	-0.44	
		For >500, Deduct	-0.89	
31 23 16 13-0038	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.36	
		For >100 To 250, Deduct	-0.24	
		For >250 To 500, Deduct	-0.50	
		For >500, Deduct	-1.01	
31 23 16 13-0039	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	3.98	
		For >100 To 250, Deduct	-0.28	
		For >250 To 500, Deduct	-0.60	
		For >500, Deduct	-1.19	
31 23 16 13-0040		Backfill Trenches With Compaction (31 23 16 13-0027)		
31 23 16 13-0041	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.23	
		For >100 To 250, Deduct	-0.02	
		For >250 To 500, Deduct	-0.03	
		For >500, Deduct	-0.07	



	Earthwork	31	15
	Earth Moving	31 20	
	Excavation and Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0042 LF Backfill 4" Wide, 18" Deep Trench, With Compaction.....	0.36	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.11	
31 23 16 13-0043 LF Backfill 4" Wide, 24" Deep Trench, With Compaction.....	0.48	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.14	
31 23 16 13-0044 LF Backfill 6" Wide, 12" Deep Trench, With Compaction.....	0.36	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.11	
31 23 16 13-0045 LF Backfill 6" Wide, 18" Deep Trench, With Compaction.....	0.48	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.14	
31 23 16 13-0046 LF Backfill 6" Wide, 24" Deep Trench, With Compaction.....	0.72	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.11	
For >500, Deduct	-0.22	
31 23 16 13-0047 LF Backfill 6" Wide, 36" Deep Trench, With Compaction.....	1.03	
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.15	
For >500, Deduct	-0.31	
31 23 16 13-0048 LF Backfill 8" Wide, 12" Deep Trench, With Compaction.....	0.48	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.14	
31 23 16 13-0049 LF Backfill 8" Wide, 18" Deep Trench, With Compaction.....	0.72	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.11	
For >500, Deduct	-0.22	
31 23 16 13-0050 LF Backfill 8" Wide, 24" Deep Trench, With Compaction.....	0.96	
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.14	
For >500, Deduct	-0.29	
31 23 16 13-0051 LF Backfill 8" Wide, 36" Deep Trench, With Compaction.....	1.44	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.22	
For >500, Deduct	-0.43	

31 23 16 16 Structural Excavation for Minor Structures (31 23 16)

31 23 16 16-0001 Post Holes (31 23 16 16)

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil (31 23 16 16-0001)

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003 VLF Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.19
31 23 16 16-0004 VLF 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	11.47
31 23 16 16-0005 VLF 3" Diameter Hole, Auger By Machine Post Hole In Soil	13.59
31 23 16 16-0006 VLF 4" Diameter Hole, Auger By Machine Post Hole In Soil	15.29
31 23 16 16-0007 VLF 6" Diameter Hole, Auger By Machine Post Hole In Soil	16.68
31 23 16 16-0008 VLF 8" Diameter Hole, Auger By Machine Post Hole In Soil	18.35
31 23 16 16-0009 VLF 10" Diameter Hole, Auger By Machine Post Hole In Soil	20.38
31 23 16 16-0010 VLF 12" Diameter Hole, Auger By Machine Post Hole In Soil	22.93
31 23 16 16-0011 VLF 18" Diameter Hole, Auger By Machine Post Hole In Soil	26.21
31 23 16 16-0012 VLF 24" Diameter Hole, Auger By Machine Post Hole In Soil	30.59
31 23 16 16-0013 VLF 30" Diameter Hole, Auger By Machine Post Hole In Soil	36.70
31 23 16 16-0014 VLF 36" Diameter Hole, Auger By Machine Post Hole In Soil	45.87

31 23 16 16-0015 Drilling Post Hole In Rock (31 23 16 16-0001)

31 23 16 16-0016 CF Jackhammer Post Hole, Rock.....	77.73
31 23 16 16-0017 CF Rock Drill Post Hole, Rock.....	21.28

31 23 16 16-0018 Post Hole Fill (31 23 16 16-0001)

31 23 16 16-0019 Concrete Fill (31 23 16 16-0018)

31 23 16 16-0020 VLF Concrete Fill, Up To 2-1/2" Diameter Hole.....	6.31
31 23 16 16-0021 VLF Concrete Fill, 2-1/2" Diameter Hole	8.10
31 23 16 16-0022 VLF Concrete Fill, 3" Diameter Hole	8.94
31 23 16 16-0023 VLF Concrete Fill, 4" Diameter Hole	10.31
31 23 16 16-0024 VLF Concrete Fill, 6" Diameter Hole	14.56
31 23 16 16-0025 VLF Concrete Fill, 8" Diameter Hole	19.44
31 23 16 16-0026 VLF Concrete Fill, 10" Diameter Hole	23.79
31 23 16 16-0027 VLF Concrete Fill, 12" Diameter Hole	27.77
31 23 16 16-0028 VLF Concrete Fill, 18" Diameter Hole	37.94
31 23 16 16-0029 VLF Concrete Fill, 24" Diameter Hole	47.19
31 23 16 16-0030 VLF Concrete Fill, 30" Diameter Hole	56.21
31 23 16 16-0031 VLF Concrete Fill, 36" Diameter Hole	65.60

31	Earthwork
31 20	Earth Moving
31 23	Excavation and Fill



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0032		Grout Fill (31 23 16 16-0018)		
31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	7.44	
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	9.58	
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	10.45	
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	11.79	
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	16.49	
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	22.02	
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	26.85	
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	31.19	
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	41.82	
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	51.23	
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	60.35	
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	69.72	
31 23 16 16-0045		Earth Fill, Compacted (31 23 16 16-0018)		
31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	5.19	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	6.75	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	7.06	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	7.27	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	9.71	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	12.95	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	15.54	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	17.62	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	21.47	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	24.09	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	26.42	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	28.50	
31 23 16 26		Rock Removal (31 23 16)		
31 23 16 26-0001		Rock Breaking By Machine (31 23 16 26)		
		Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary (Shale, Sandstone, Limestone) Rocks	29.48	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic (Slate) Rock	31.45	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous (Granite, Basalt) Rock	37.34	
31 23 16 33		Bulk Excavation (31 23 16)		
		Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.		
31 23 16 33-0001		Excavation (31 23 16 33)		
		Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	11.31	
		For Excavation In Light Material (Class A), Deduct	-1.41	
		For Excavation In Heavy/Wet Material (Class C), Add	4.52	
		For >1,000, Deduct	-1.70	
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.23	
		For Excavation In Light Material (Class A), Deduct	-0.78	
		For Excavation In Heavy/Wet Material (Class C), Add	2.49	
		For >1,000, Deduct	-0.93	
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	13.92	
		Note: Includes compacted aggregate		
		For >1,000, Deduct	-2.09	
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	7.67	
		Note: Includes compacted aggregate		
		For >1,000, Deduct	-1.15	
31 23 16 33-0006		Spreading, Shaping And Rough Grading (31 23 16 33)		
		Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	6.98	
		For >1,000, Deduct	-1.05	
31 23 16 33-0008		Cutting, Shaping and Rough Grading Of Existing Elevations (31 23 16 33)		
31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	7.76	
		For >1,000, Deduct	-1.16	
31 23 16 33-0010		Relocating On Site Excavated Material From Excavation (31 23 16 33)		
		Note: For bulk excavation.		
31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.21	
		For >1,000, Deduct	-0.93	
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	9.31	
		For >1,000, Deduct	-1.40	
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	13.96	
		For >1,000, Deduct	-2.09	
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	18.62	
		For >1,000, Deduct	-2.79	



Earthwork		31
Earth Moving		31 20
Excavation and Fill		31 23

15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0015 Finish Grading For Bulk Excavation (31 23 16 33)		
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine.....	0.77	
31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift (31 23 16 33)		
Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine.....	0.78	
Note: Per Lift		
31 23 16 33-0019 Loading Excess Material For Removal From Excavation (31 23 16 33)		
Note: For bulk excavation. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0043 for hauling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation	6.26	
For >1,000, Deduct		-0.94
31 23 16 36 Excavation for Building Foundations and Other Structures (31 23 16)		
Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001 Excavation (31 23 16 36)		
Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.		
31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader (31 23 16 36-0001)		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	10.17	
For Excavation In Light Material (Class A), Deduct		-1.27
For Excavation In Heavy/Wet Material (Class C), Add		4.07
For Up To 20, Add		10.17
For >20 To 50, Add		7.63
For >50 To 250, Add		4.07
For >250 To 500, Add		1.53
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock	12.63	
Note: Includes compacted aggregate		
For Up To 20, Add		12.63
For >20 To 50, Add		9.47
For >50 To 250, Add		5.05
For >250 To 500, Add		1.89
31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader (31 23 16 36-0001)		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	7.50	
For Excavation In Light Material (Class A), Deduct		-0.94
For Excavation In Heavy/Wet Material (Class C), Add		3.00
For Up To 20, Add		7.50
For >20 To 50, Add		5.63
For >50 To 250, Add		3.00
For >250 To 500, Add		1.13
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock	8.92	
Note: Includes compacted aggregate		
For Up To 20, Add		8.92
For >20 To 50, Add		6.69
For >50 To 250, Add		3.57
For >250 To 500, Add		1.34
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand (31 23 16 36-0001)		
Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil	139.88	
For Excavation In Light Material (Class A), Deduct		-17.49
For Excavation In Heavy/Wet Material (Class C), Add		55.95
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	239.93	
Note: Includes compacted aggregate		
31 23 16 36-0011 Relocating On Site Excavated Stockpiled Material From Excavation (31 23 16 36)		
Note: For building foundations and other structures.		
31 23 16 36-0012 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'.....	6.21	
For Up To 20, Add		6.21
For >20 To 50, Add		4.66
For >50 To 250, Add		2.48
For >250 To 500, Add		0.93

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.31	
		For Up To 20, Add	9.31	
		For >20 To 50, Add	6.98	
		For >50 To 250, Add	3.72	
		For >250 To 500, Add	1.40	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	13.96	
		For Up To 20, Add	13.96	
		For >20 To 50, Add	10.47	
		For >50 To 250, Add	5.58	
		For >250 To 500, Add	2.09	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	18.62	
		For Up To 20, Add	18.62	
		For >20 To 50, Add	13.97	
		For >50 To 250, Add	7.45	
		For >250 To 500, Add	2.79	
31 23 16 36-0016		Backfilling (31 23 16 36) Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	5.01	
		For Up To 20, Add	5.01	
		For >20 To 50, Add	3.76	
		For >50 To 250, Add	2.00	
		For >250 To 500, Add	0.75	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.80	
		For Up To 20, Add	5.80	
		For >20 To 50, Add	4.35	
		For >50 To 250, Add	2.32	
		For >250 To 500, Add	0.87	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	66.61	
31 23 16 36-0020		Compaction Of Fill Or Subbase (31 23 16 36) Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, etc.	12.84	
		For Up To 20, Add	12.84	
		For >20 To 50, Add	9.63	
		For >50 To 250, Add	5.14	
		For >250 To 500, Add	1.93	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	43.82	
31 23 16 36-0023		Grading For Building Foundations And Other Structures (31 23 16 36)		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.34	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.16	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	12.95	
31 23 16 36-0027		Loading Excess Material For Removal From Excavation (31 23 16 36) Note: For building foundations and other structures. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0043 for hauling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.52	
		For Up To 20, Add	6.52	
		For >20 To 50, Add	4.89	
		For >50 To 250, Add	2.61	
		For >250 To 500, Add	0.98	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	102.56	
31 23 16 36-0030		Spread Excess Or Imported Material And Grade On Site (31 23 16 36) Note: For building foundations and other structures.		
31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	3.61	
		For Up To 20, Add	3.61	
		For >20 To 50, Add	2.71	
		For >50 To 250, Add	1.44	
		For >250 To 500, Add	0.54	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	56.60	
31 23 19		Dewatering (31 23)		
31 23 19 00-0001		Well Point Dewatering System (31 23 19)		
31 23 19 00-0002		Delivery, Installation And Removal Cost (31 23 19 00-0001) Note: Priced by linear foot of header used.		
31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	142.45	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	78.35	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	71.23	
31 23 19 00-0006	LF	>500' To 500' In Length Well Point System Delivery, Installation And Removal	64.10	



	Earthwork	31	
	Earth Moving	31 20	
	Excavation and Fill	31 23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal.....	56.98	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal.....	49.86	
31 23 19 00-0009		Well Point Dewatering System Rental (31 23 19 00-0001) Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.29	
		For >5 Days And <1 Month, Deduct	-0.50	
		For >1 Month, Deduct	-0.64	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.34	
		For >5 Days And <1 Month, Deduct	-0.29	
		For >1 Month, Deduct	-0.38	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.96	
		For >5 Days And <1 Month, Deduct	-0.21	
		For >1 Month, Deduct	-0.27	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.70	
		For >5 Days And <1 Month, Deduct	-0.15	
		For >1 Month, Deduct	-0.20	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.64	
		For >5 Days And <1 Month, Deduct	-0.14	
		For >1 Month, Deduct	-0.18	
31 23 19 00-0015		Well Point Dewatering System Operation Costs (31 23 19 00-0001) Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR	Operation Costs.....	134.30	
31 23 23		Fill (31 23)		
31 23 23 23		Compaction (31 23 23)		
31 23 23 23-0001		Compaction Water, Water Truck And Operator (31 23 23 23)		
31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator	294.51	
		Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)		
31 23 23 33		Flowable Fill (31 23 23)		
31 23 23 33-0001		Flowable Fill (Fly Ash) Cement Backfill For Trenches (31 23 23 33) Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches.....	148.44	
		For Up To 20, Add	61.05	
		For >20 To 50, Add	39.60	
		For >50 To 250, Add	19.80	
		For >250 To 1,000, Deduct	-10.73	
		For >1,000, Deduct	-21.45	
31 24		Embankments (31 20)		
31 24 13		Roadway Embankments (31 24)		
31 24 13 00-0001		Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations (31 24 13) Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002		Cutting, Shaping And Rough Grading (31 24 13 00-0001) Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003		Cutting, Shaping, And Rough Grading (31 24 13 00-0002)		
31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	7.76	
		For Up To 20, Add	7.76	
		For >20 To 50, Add	5.82	
		For >50 To 250, Add	3.10	
		For >250 To 500, Add	1.16	
		For >1,000, Deduct	-1.16	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	9.62	
		Note: Includes compacted aggregate		
		For Up To 20, Add	9.62	
		For >20 To 50, Add	7.22	
		For >50 To 250, Add	3.85	
		For >250 To 500, Add	1.44	
		For >1,000, Deduct	-1.44	

31	Earthwork
31 20	Earth Moving
31 24	Embankments



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0006		Cutting, Shaping, And Rough Grading By Hand (31 24 13 00-0002)		
31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	7.17	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.32	
31 24 13 00-0009		Scarify Soil (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	7.19	
		For Up To 20, Add	3.60	
		For >20 To 50, Add	1.80	
		For >250 To 500, Deduct	-0.72	
		For >500, Deduct	-1.44	
31 24 13 00-0011		Relocating On Site Excavated Material (31 24 13 00-0001)		
31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	13.96	
		For Up To 20, Add	13.96	
		For >20 To 50, Add	10.47	
		For >50 To 250, Add	5.58	
		For >250 To 500, Add	2.09	
		For >1,000, Deduct	-2.09	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	18.62	
		For Up To 20, Add	18.62	
		For >20 To 50, Add	13.97	
		For >50 To 250, Add	7.45	
		For >250 To 500, Add	2.79	
		For >1,000, Deduct	-2.79	
31 24 13 00-0014		Spread And Shape Imported Or Stockpiled Material (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.53	
		For Up To 20, Add	8.53	
		For >20 To 50, Add	6.40	
		For >50 To 250, Add	3.41	
		For >250 To 500, Add	1.28	
		For >1,000, Deduct	-1.28	
31 24 13 00-0016		Grading (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.85	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.14	
31 24 13 00-0019	LF	Finish Grade For Curb	1.28	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.56	
31 24 13 00-0021		Compaction Of Fill Or Subbase (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.78	
		For Up To 250, Add	0.78	
		For >250 To 500, Add	0.59	
		For >500 To 1,000, Add	0.31	
		For >5,000, Deduct	-0.12	
31 24 13 00-0023		Loading Excess Material For Removal From Excavation (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for cleanup.		
31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.26	
		For Up To 20, Add	6.26	
		For >20 To 50, Add	4.70	
		For >50 To 250, Add	2.50	
		For >250 To 500, Add	0.94	
		For >1,000, Deduct	-0.94	

31 25 Erosion and Sedimentation Controls (31 20)

31 25 14 Stabilization Measures for Erosion and Sedimentation Control (31 25)

31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)

31 25 14 13-0001 Bonded Fiber Matrix (31 25 14 13)

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	65.24
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	59.87
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	55.32



Earthwork		31	15
Earth Moving		31 20	
Erosion and Sedimentation Controls		31 25	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 13-0005	MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied	52.73	
31 25 14 16	Rolled Erosion Control Mats and Blankets (31 25 14)		
Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.			
31 25 14 16-0001	Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)		
31 25 14 16-0002	Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)		
31 25 14 16-0003	SY S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	3.31	
31 25 14 16-0004	SY S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.29	
31 25 14 16-0005	SY Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	3.14	
31 25 14 16-0006	SY Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.31	
31 25 14 16-0007	SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	2.93	
31 25 14 16-0008	Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)		
31 25 14 16-0009	SY S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	4.27	
31 25 14 16-0010	SY S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	5.80	
31 25 14 16-0011	SY Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.55	
31 25 14 16-0012	SY Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	3.72	
31 25 14 16-0013	SY Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	3.98	
31 25 14 16-0014	Turf Reinforcement Mats (TRM) (31 25 14 16-0001)		
Note: Permanent, UV stabilized.			
31 25 14 16-0015	SY P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	15.05	
31 25 14 16-0016	SY C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	13.84	
31 25 14 16-0017	SY Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	17.74	
31 25 14 16-0018	Jute Mesh Erosion Control Blankets (31 25 14 16-0001)		
31 25 14 16-0019	SY Jute Mesh, Open Uniform Weave	4.85	
31 25 14 16-0020	Revegetation Mat (31 25 14 16-0001)		
31 25 14 16-0021	SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.73	
31 25 14 16-0022	SY Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxial oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.80	
31 25 14 16-0023	Erosion Control Rolls (31 25 14 16-0001)		
31 25 14 16-0024	SY Erosion Control Rolls, Mirafi 140N	2.48	
31 25 14 16-0025	SY Erosion Control Rolls, Amoco 4547	2.53	
31 25 14 23	Stabilization Measures for Erosion Control (31 25 14)		
See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.			
31 25 14 23-0001	Sand Bags (31 25 14 23)		
Note: Bags filled on site with delivered material. Includes material and placement of bags.			
31 25 14 23-0002	BAG 50 Lb. Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct	6.90	2.95
	For >5,000, Deduct	-0.59	
		-1.28	
31 25 14 23-0003	BAG 75 Lb. Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct	8.87	3.66
	For >5,000, Deduct	-0.73	
		-1.62	
31 25 14 23-0004	BAG 100 Lb. Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct	11.18	4.38
	For >5,000, Deduct	-0.88	
		-1.99	
31 25 14 23-0005	BAG 125 Lb. Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct	13.75	5.48
	For >5,000, Deduct	-1.10	
		-2.47	

31 Earthwork**31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0006	BAG	150 Lb. Capacity Sand Bag With Sand..... <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	16.74 -1.31 -2.99	6.56
31 25 14 23-0007	BAG	175 Lb. Capacity Sand Bag With Sand..... <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	19.53 -1.49 -3.45	7.47
31 25 14 23-0008	BAG	2,000 Lb. Capacity Sand Bag With Sand..... <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	156.74 -9.64 -25.31	52.07
31 25 14 23-0009	BAG	3,000 Lb. Capacity Sand Bag With Sand..... <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	200.47 -10.60 -30.65	57.27
31 25 14 23-0010		Gravel Bags (31 25 14 23) Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG	30 Lb. Capacity Gravel Bag With Gravel <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	6.69 -0.39 -1.06	1.96
31 25 14 23-0012	BAG	50 Lb. Capacity Gravel Bag With Gravel <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	12.04 -0.59 -1.79	2.95
31 25 14 23-0013		Floating Turbidity Curtain (31 25 14 23) Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft. buoyancy in saltwater.		
31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	27.59 -4.23 -2.58 3.13	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	29.89 -4.66 -2.84 3.44	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	33.07 -5.28 -3.21 3.90	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	35.78 -5.79 -3.52 4.28	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	37.55 -6.07 -3.69 4.49	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	39.33 -6.35 -3.87 4.70	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	41.39 -6.69 -4.07 4.95	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	44.21 -7.20 -4.38 5.32	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	46.46 -7.57 -4.61 5.59	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	49.47 -8.10 -4.93 5.99	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	52.27 -8.58 -5.22 6.34	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	54.98 -9.03 -5.50 6.68	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	59.81 -9.97 -6.07 7.37	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	62.73 -10.45 -6.36 7.72	



Earthwork		31	15
Earth Moving		31 20	
Erosion and Sedimentation Controls		31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0028 LF 18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	65.55	
For Type 1, Deduct	-10.90	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.63	
For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	8.05	
31 25 14 23-0029 LF 19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	68.54	
For Type 1, Deduct	-11.38	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.93	
For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	8.41	
31 25 14 23-0030 LF 20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	71.46	
For Type 1, Deduct	-11.83	
For 13 Oz PVC Fabric, Type 2, Deduct	-7.20	
For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	8.74	
31 25 14 23-0031 Turbidity Curtain Anchors (31 25 14 23)		
31 25 14 23-0032 EA 14 Lb., Turbidity Curtain Anchor System	736.28	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0033 EA 25 Lb., Turbidity Curtain Anchor System	1,008.77	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0034 EA 40 Lb., Turbidity Curtain Anchor System	1,282.44	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0035 EA 65 Lb., Turbidity Curtain Anchor System	1,676.59	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0036 Filter Bags (31 25 14 23)		
31 25 14 23-0037 Non-Woven Filter Bags (31 25 14 23-0036)		
31 25 14 23-0038 EA 6' x 15' Non-Woven Filter Bag	257.66	
31 25 14 23-0039 EA 13' x 15' Non-Woven Filter Bag	372.82	
31 25 14 23-0040 EA 15' x 15' Non-Woven Filter Bag	428.65	
31 25 14 23-0041 Monofilament Filter Bags (31 25 14 23-0036)		
31 25 14 23-0042 EA 5' x 15' Monofilament Filter Bag	267.89	
31 25 14 23-0043 EA 10' x 15' Monofilament Filter Bag	370.88	
31 25 14 23-0044 Cable Articulating Concrete Block (31 25 14 23)		
Note: 4000 PSI Compressive strength, 12 Lbs./CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill	42.62	
For Up To 500, Add	9.72	
For >500 To 1,000, Add	5.45	
31 25 14 23-0046 SF 6" Open Cell Articulated Concrete Block With Earth Backfill	48.52	
For Up To 500, Add	11.00	
For >500 To 1,000, Add	6.15	
31 25 14 23-0047 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill	55.31	
For Up To 500, Add	12.49	
For >500 To 1,000, Add	6.96	
31 25 14 23-0048 SF 9" Open Cell Articulated Concrete Block With Earth Backfill	62.29	
For Up To 500, Add	14.05	
For >500 To 1,000, Add	7.82	
31 25 14 23-0049 SF 4.75" Closed Cell Articulated Concrete Block	45.45	
For Up To 500, Add	10.28	
For >500 To 1,000, Add	5.74	
31 25 14 23-0050 SF 6" Closed Cell Articulated Concrete Block	51.90	
For Up To 500, Add	11.68	
For >500 To 1,000, Add	6.49	
31 25 14 23-0051 SF 7.5" Closed Cell Articulated Concrete Block	59.32	
For Up To 500, Add	13.29	
For >500 To 1,000, Add	7.36	
31 25 14 23-0052 SF 9" Closed Cell Articulated Concrete Block	66.87	
For Up To 500, Add	14.96	
For >500 To 1,000, Add	8.28	
31 25 14 26 Stabilization Measures for Sedimentation Control (31 25 14)		
31 25 14 26-0001 Silt Fences And Dike Barriers (31 25 14 26)		
Note: Includes stakes and embedding.		
31 25 14 26-0002 Silt Fences 2' High (31 25 14 26-0001)		
See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003 LF 2' High Silt Fence with Stakes at 4' On Center	5.10	
31 25 14 26-0004 LF 2' High Silt Fence with Stakes at 6' On Center	3.93	
31 25 14 26-0005 LF 2' High Silt Fence with Stakes at 8' On Center	2.76	
31 25 14 26-0006 LF 2' High Silt Fence with Stakes at 10' On Center	2.34	
31 25 14 26-0007 Silt Fences 3' High (31 25 14 26-0001)		
See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008 LF 3' High Silt Fence with Stakes at 4' On Center	6.04	

31 Earthwork**31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	4.68	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	3.25	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	2.65	
31 25 14 26-0012		Silt Dike Barrier (31 25 14 26-0001)		
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes.....	3.98	
31 25 14 26-0014		Silt Fences Removal (31 25 14 26-0001)		
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes.....	0.93	
31 25 14 26-0016		Hay And Straw Bales (31 25 14 26)		
		Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF	Place Sterilized Straw Bales	5.26	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0020 for removal of straw bale.		
31 25 14 26-0018	LF	Place Hay Bales	4.88	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0020 for removal of hay bale.		
31 25 14 26-0019	EA	Place And Remove Hay Bales, Includes Securing In Ground With Stakes.....	14.63	
31 25 14 26-0020	LF	Removal Of Hay Or Straw Bales	1.67	
		Note: Includes removal of stakes.		
31 25 14 26-0021		Sediment Logs (Degradable) (31 25 14 26)		
31 25 14 26-0022		Sediment Logs (Degradable) (31 25 14 26-0021)		
		Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0023	LF	9" Sediment Fiber Roll Log	5.86	
31 25 14 26-0024	LF	12" Sediment Fiber Roll Log	6.73	
31 25 14 26-0025	LF	20" Sediment Fiber Roll Log	10.03	
31 25 14 26-0026		Wattles (Degradable) With UV Stabilized Synthetic Netting (31 25 14 26-0021)		
		Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0027	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	117.84	
31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	122.39	
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	126.28	
31 25 14 26-0030	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'	126.45	
31 25 14 26-0031		Fiber Roll (CALTRANS Type 1) (31 25 14 26)		
		Note: Includes furrow trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0032	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	6.44	
		For >1,000 To 10,000, Deduct	-0.81	
		For >10,000, Deduct	-1.36	
31 25 14 26-0033	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	6.66	
		For >1,000 To 10,000, Deduct	-0.82	
		For >10,000, Deduct	-1.38	
31 25 14 26-0034	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	8.51	
		For >1,000 To 10,000, Deduct	-0.98	
		For >10,000, Deduct	-1.65	
31 25 14 26-0035		Fiber Roll (CALTRANS Type 2) (31 25 14 26)		
		Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0036	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	5.02	
		For >1,000 To 10,000, Deduct	-0.60	
		For >10,000, Deduct	-1.00	
31 25 14 26-0037	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	5.44	
		For >1,000 To 10,000, Deduct	-0.64	
		For >10,000, Deduct	-1.07	
31 25 14 26-0038	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	6.63	
		For >1,000 To 10,000, Deduct	-0.70	
		For >10,000, Deduct	-1.18	
31 25 14 26-0039		Inlet Protection Sediment Bags (31 25 14 26)		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0040	EA	2' x 2' x 3' Inlet Protection Sediment Bag	65.01	
31 25 14 26-0041	EA	2' x 3' x 3' Inlet Protection Sediment Bag	75.40	
31 25 14 26-0042	EA	2' x 4' x 3' Inlet Protection Sediment Bag	82.74	
31 25 14 26-0043		Clean Sediment Logs/Wattles (31 25 14 26)		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0044	EA	Clean Sediment Logs/Wattles.....	93.26	

31 30 Earthwork Methods (31)**31 31 Soil Treatment** (31 30)



Earthwork		31	15
Earthwork Methods		31 30	
Soil Treatment		31 31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 31 16 Termite Control (31 31)				
31 31 16 13 Chemical Termite Control (31 31 16)				
31 31 16 13-0001 Commercial Use (31 31 16 13)				
31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.97	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls.....	1.38	
31 31 16 13-0004 Residential Use (31 31 16 13)				
31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.45	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure.....	1.58	
31 31 19 Vegetation Control (31 31)				
31 31 19 13 Chemical Vegetation Control (31 31 19)				
31 31 19 13-0001 Soil Sterilants (31 31 19 13)				
31 31 19 13-0002	MSF	Soil Sterilant.....	34.01	
Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.				
For >45 To 90, Deduct			-0.50	
For >90 To 225, Deduct			-2.71	
For >225, Deduct			-3.71	
31 32 Soil Stabilization (31 30)				
31 32 13 Soil Mixing Stabilization (31 32)				
31 32 13 16 Cement Soil Stabilization (31 32 13)				
31 32 13 16-0001 Soil Cement Course (31 32 13 16)				
Note: Includes soil material, adding and mixing of cement, water and calcium chloride (if required), shaping, finishing and final compaction. Excludes cement, calcium chloride, foundation preparation, compaction water and additional surface treatments.				
31 32 13 16-0002	CY	Compacted Soil Cement Course, Material mixed in Central Plant.....	86.31	
31 32 13 16-0003	CY	Compacted Soil Cement Course, Material mixed in Traveling Pugmill. Cement.....	90.96	
31 32 13 16-0004	LB	Cement, Per Unit Of Measure.....	0.06	
31 32 13 16-0005	LB	Flake Calcium Chloride, Per Unit Of Measure.....	1.00	
31 32 13 16-0006	EA	Mobilize And Demobilize Traveling Pugmill	150.00	
31 32 13 16-0007 Cementitious Soil Binder (31 32 13 16)				
31 32 13 16-0008	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	41.73	
31 32 13 16-0009	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	47.95	
31 32 13 16-0010	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	58.18	
31 32 13 16-0011	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	68.27	
31 32 13 19 Lime Soil Stabilization (31 32 13)				
Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.				
31 32 13 19-0001 Lime Slurry (31 32 13 19)				
31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume.....	37.63	
31 32 13 19-0003	TON	Cement Stabilized Base Material.....	138.84	
31 32 13 19-0004	CWT	Lime For Soil Stabilization	22.47	
Note: Excludes the cost for spreading or backfilling				
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization.....	19.09	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.46	
31 32 13 19-0007 Lime Stabilized Subgrade (31 32 13 19)				
Note: Based on soil weight of 110 Lbs./CF using lime weight of 5.5 Lbs./CF (5%).				
31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	13.50	
For 4% Lime Instead Of 5%, Deduct			-0.40	
For 6% Lime Instead Of 5%, Add			0.40	
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb.	15.67	
For 4% Lime Instead Of 5%, Deduct			-0.46	
For 6% Lime Instead Of 5%, Add			0.46	
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb.	17.87	
For 4% Lime Instead Of 5%, Deduct			-0.52	
For 6% Lime Instead Of 5%, Add			0.52	
31 32 13 19-0011	SY	10" Thick Lime Stabilized Subgrade, 41 Lb./SY	22.33	
For 4% Lime Instead Of 5%, Deduct			-0.66	
For 6% Lime Instead Of 5%, Add			0.66	
For >5,000 SY, Deduct			-1.45	
31 32 13 19-0012	SY	12" Thick Lime Stabilized Subgrade, 50 Lb./SY	26.81	
For 4% Lime Instead Of 5%, Deduct			-0.79	
For 6% Lime Instead Of 5%, Add			0.79	
For >5,000 SY, Deduct			-1.74	

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 13 19-0013 SY 14" Thick Lime Stabilized Subgrade, 58 Lb./SY.....	31.23	
For 4% Lime Instead Of 5%, Deduct	-0.92	
For 6% Lime Instead Of 5%, Add	0.92	
For >5,000 SY, Deduct	-2.02	
31 32 13 19-0014 SY 16" Thick Lime Stabilized Subgrade, 66 Lb./SY.....	35.72	
For 4% Lime Instead Of 5%, Deduct	-1.05	
For 6% Lime Instead Of 5%, Add	1.05	
For >5,000 SY, Deduct	-2.31	
31 32 13 19-0015 SY 18" Thick Lime Stabilized Subgrade, 74 Lb./SY.....	40.21	
For 4% Lime Instead Of 5%, Deduct	-1.18	
For 6% Lime Instead Of 5%, Add	1.18	
For >5,000 SY, Deduct	-2.61	
31 32 13 19-0016 Hydrated Lime Stabilized Subgrade (31 32 13 19)		
Note: Includes scarifying, adding and mixing of hydrated lime and water, light sealing, curing, secondary mixing, shaping, finishing and final compaction. Excludes hydrated lime, foundation preparation, compaction water and additional surface treatments.		
31 32 13 19-0017 CY Compacted Hydrated Lime Stabilized Subgrade	81.05	
31 32 13 19-0018 LB Hydrated Lime	1.74	
31 32 13 29 Liquid Soil Stabilization (31 32 13)		
31 32 13 29-0001 GAL Polyacrylamide And Calcium Solution	2.90	
31 32 19 Geosynthetic Soil Stabilization and Layer Separation (31 32)		
31 32 19 13 Geogrid Soil Stabilization (31 32 19)		
31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)		
Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.		
31 32 19 13-0002 SY 5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.43	
For Up To 50, Add	1.20	
For >50 To 150, Add	0.89	
For >150 To 250, Add	0.58	
For >250 To 500, Add	0.29	
31 32 19 13-0003 SY 6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.20	
For Up To 50, Add	1.36	
For >50 To 150, Add	1.01	
For >150 To 250, Add	0.66	
For >250 To 500, Add	0.33	
31 32 19 13-0004 SY 8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.77	
For Up To 50, Add	1.48	
For >50 To 150, Add	1.10	
For >150 To 250, Add	0.72	
For >250 To 500, Add	0.36	
31 32 19 13-0005 SY 12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.75	
For Up To 50, Add	2.08	
For >50 To 150, Add	1.55	
For >150 To 250, Add	1.02	
For >250 To 500, Add	0.51	
31 32 19 13-0006 SY 14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.16	
For Up To 50, Add	2.37	
For >50 To 150, Add	1.77	
For >150 To 250, Add	1.16	
For >250 To 500, Add	0.58	
31 32 19 13-0007 SY 4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.52	
For Up To 50, Add	1.22	
For >50 To 150, Add	0.90	
For >150 To 250, Add	0.59	
For >250 To 500, Add	0.30	
31 32 19 13-0008 SY 5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.14	
For Up To 50, Add	1.75	
For >50 To 150, Add	1.30	
For >150 To 250, Add	0.85	
For >250 To 500, Add	0.43	
31 32 19 16 Geotextile Soil Stabilization (31 32 19)		
31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)		
Note: For drainage, filtration and separation. Includes stakes.		
31 32 19 16-0002 SY 3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.69	
For Up To 50, Add	0.38	
For >50 To 150, Add	0.28	
For >150 To 250, Add	0.18	
For >250 To 500, Add	0.09	



		Earthwork	31	31
		Earthwork Methods	31 30	
		Soil Stabilization	31 32	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	1.81	
		For Up To 50, Add	0.41	
		For >50 To 150, Add	0.30	
		For >150 To 250, Add	0.20	
		For >250 To 500, Add	0.10	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	1.96	
		For Up To 50, Add	0.44	
		For >50 To 150, Add	0.32	
		For >150 To 250, Add	0.21	
		For >250 To 500, Add	0.11	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	2.11	
		For Up To 50, Add	0.47	
		For >50 To 150, Add	0.35	
		For >150 To 250, Add	0.23	
		For >250 To 500, Add	0.11	
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	2.51	
		For Up To 50, Add	0.55	
		For >50 To 150, Add	0.41	
		For >150 To 250, Add	0.27	
		For >250 To 500, Add	0.13	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	2.94	
		For Up To 50, Add	0.65	
		For >50 To 150, Add	0.48	
		For >150 To 250, Add	0.31	
		For >250 To 500, Add	0.16	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	3.24	
		For Up To 50, Add	0.71	
		For >50 To 150, Add	0.52	
		For >150 To 250, Add	0.34	
		For >250 To 500, Add	0.17	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	4.00	
		For Up To 50, Add	0.86	
		For >50 To 150, Add	0.64	
		For >150 To 250, Add	0.42	
		For >250 To 500, Add	0.21	
31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	7.05	
		For Up To 50, Add	1.47	
		For >50 To 150, Add	1.10	
		For >150 To 250, Add	0.72	
		For >250 To 500, Add	0.36	
31 32 19 16-0011		Woven Geotextiles Fabric (31 32 19 16) Note: Includes stakes.		
31 32 19 16-0012	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	2.45	
		For Up To 50, Add	0.54	
		For >50 To 150, Add	0.40	
		For >150 To 250, Add	0.26	
		For >250 To 500, Add	0.13	
31 32 19 16-0013	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66).....	3.44	
		For Up To 50, Add	0.73	
		For >50 To 150, Add	0.55	
		For >150 To 250, Add	0.36	
		For >250 To 500, Add	0.18	
31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%).....	6.08	
		For Up To 50, Add	1.27	
		For >50 To 150, Add	0.95	
		For >150 To 250, Add	0.63	
		For >250 To 500, Add	0.31	
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	5.93	
		For Up To 50, Add	1.24	
		For >50 To 150, Add	0.93	
		For >150 To 250, Add	0.61	
		For >250 To 500, Add	0.31	
31 32 19 16-0016	SY	6.9 Oz./SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF).....	5.18	
		For Up To 50, Add	1.09	
		For >50 To 150, Add	0.82	
		For >150 To 250, Add	0.54	
		For >250 To 500, Add	0.27	
31 32 19 16-0017	SY	9.1 Oz./SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF).....	5.54	
		For Up To 50, Add	1.17	
		For >50 To 150, Add	0.87	
		For >150 To 250, Add	0.57	
		For >250 To 500, Add	0.29	

31 Earthwork**31 30 Earthwork Methods****31 32 Soil Stabilization**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0018	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF).....	7.08	
		For Up To 50, Add	1.47	
		For >50 To 150, Add	1.10	
		For >150 To 250, Add	0.73	
		For >250 To 500, Add	0.36	
31 32 19 16-0019	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF).....	10.10	
		For Up To 50, Add	2.08	
		For >50 To 150, Add	1.55	
		For >150 To 250, Add	1.03	
		For >250 To 500, Add	0.51	
31 32 19 16-0020		Geomembranes (31 32 19 16) Note: Includes stakes.		
31 32 19 16-0021		Polyvinyl Chloride (PVC) Geomembrane (31 32 19 16-0020)		
31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.49	
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.72	
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.09	
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.50	
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.86	
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	3.13	
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	3.40	
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	3.76	
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	4.10	
31 32 19 16-0031		High-Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0020)		
31 32 19 16-0032	SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.15	
31 32 19 16-0033	SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.03	
31 32 19 16-0034	SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.14	
31 32 19 16-0035	SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.61	
31 32 19 16-0036	SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.34	
31 32 19 16-0037	SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.55	
31 32 19 16-0038	SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.77	
31 32 19 16-0039	SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	2.86	
31 32 19 16-0040	SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	2.95	
31 32 19 26		Geoweb Cellular Confinement System (31 32 19) Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0001		Geoweb Cellular Confinement System (31 32 19 26) Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems).....	7.82	
		For >20,000, Deduct	-0.19	
		For >2:1 Slope, Add	1.32	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems).....	9.54	
		For >20,000, Deduct	-0.28	
		For >2:1 Slope, Add	1.32	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems).....	11.59	
		For >20,000, Deduct	-0.38	
		For >2:1 Slope, Add	1.32	
31 32 36		Soil Nailing (31 32)		
31 32 36 11		Soil Nailing Stabilization (31 32 36)		
31 32 36 11-0001		Landslide and Slip-Out Stabilization (31 32 36 11) Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.		
31 32 36 11-0002		BioWall® (31 32 36 11-0001) Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to 1/4(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0003	SF	BioWall® Construction.....	25.00	



	Earthwork	31	
	Earthwork Methods	31 30	
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0004 Green Terra Mesh (31 32 36 11-0001) Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0005 EA Green Terra Mesh	635.25	
31 32 36 11-0006 GeoSynthetically Confined Soil™ (GCS®) Components (31 32 36 11-0001) Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2,400 lb./ft. (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr. (10 miles/hr.). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front o See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0007 SF GeoSynthetically Confined Soil™ (GCS®) Wall Construction	23.75	
Note: Installation sold per square face foot (excludes materials)		
31 32 36 11-0008 EA GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120")	108.50	
31 32 36 11-0009 EA GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16")	6.50	
31 32 36 11-0010 SF GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.75	
31 32 36 11-0011 Turf (31 32 36 11-0001) Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0012 Permanent Turf Reinforcing Mat (TRM) (31 32 36 11-0011) Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxial oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.		
31 32 36 11-0013 SF Permanent Turf Reinforcement Mat.....	1.50	
Note: sold per square face foot		
31 32 36 11-0014 Biodegradable Turf Reinforcing Mat (TRM) (31 32 36 11-0011) Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.		
31 32 36 11-0015 SF Biodegradable Turf Reinforcement Mat.....	0.75	
Note: sold per square face foot		
31 32 36 11-0016 Shotcrete or Gunite (31 32 36 11-0001) Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0017		Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™^(31 32 36 11-0016) Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying		
31 32 36 11-0018	SFI	Wet-Mix Reinforced Shotcrete Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	5.50	



		Earthwork	31
		Earthwork Methods	31 30
		Soil Stabilization	31 32

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0019	Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ (31 32 36 11-0016) Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6		
31 32 36 11-0020	SFI Dry-Mix Reinforced Gunite Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	8.50	
31 32 36 11-0021	Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ (31 32 36 11-0016)		
31 32 36 11-0022	SFI Steel Fiber Reinforcement Note: sold per inch thickness over one square face foot of area	1.25	
31 32 36 11-0023	Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® (31 32 36 11-0001) Note: Unit Pricing excludes Daily Crew Rates for Items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0024	Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® (31 32 36 11-0023) Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 11-0025	SF High Capacity Diamond Mesh Note: sold per square face foot	11.00	
31 32 36 11-0026	SF Double Twist Wire Mesh Note: sold per square face foot	13.75	
31 32 36 11-0027	Steel Plates (31 32 36 11-0023)		
31 32 36 11-0028	EA 8x8 Galvanized Steel Plates	35.00	
31 32 36 11-0029	EA 10x10 Galvanized Steel Plates	54.75	
31 32 36 11-0030	EA 12x12 Galvanized Steel Plates	78.75	
31 32 36 11-0031	EA 8x8 Epoxy Coated Steel Plates	76.00	
31 32 36 11-0032	EA 10x10 Epoxy Coated Steel Plates	89.25	
31 32 36 11-0033	EA 12x12 Epoxy Coated Steel Plates	105.25	

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 32 36 11-0034		Drilled Horizontal Drains (31 32 36 11-0001)	
Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).			
31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter).....	26.00
31 32 36 11-0036	LF	Stripdrain - 6" Wide.....	3.25
31 32 36 11-0037	LF	Stripdrain - 12" Wide.....	4.00
31 32 36 11-0038	LF	PVC Drain Collector Pipe System.....	26.75

31 32 36 11-0039		Rockfall Stabilization (31 32 36 11-0001)	
Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).			
31 32 36 11-0040	SF	Scaling.....	3.75
31 32 36 11-0041	SF	Trim Blasting.....	155.00
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh.....	45.00
31 32 36 11-0043	SY	Slope Drape - Cable Net.....	135.00
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm).....	135.00
31 32 36 11-0045	LF	Temporary Rockfall Barrier.....	500.00
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet).....	25.00
31 32 36 11-0047	LF	High Reach Drilling (>25 feet).....	45.00
31 32 36 11-0048	LF	Limited Access Drilling.....	100.00
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized).....	18.50
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated).....	15.25
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized).....	23.25
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated).....	17.25
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized).....	23.50
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated).....	18.75
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized).....	26.50
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized).....	29.25
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized).....	34.50
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated).....	31.75
31 32 36 11-0061	EA	Rock Anchor Testing.....	825.00

31 32 36 11-0062		Mobilization / Demobilization (31 32 36 11-0001)	
31 32 36 11-0063	EA	Mobilization - In State.....	10,000.00
31 32 36 11-0064	EA	Mobilization - Out Of State.....	25,000.00
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder.....	9,800.00

31 32 36 11-0066		Daily Crew Rates (DCR) (31 32 36 11-0001)	
31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday.....	13,150.00
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday.....	15,200.00
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday.....	12,925.00
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday.....	2,050.00
31 32 36 11-0071	EA	Out of State Crew Rotation.....	4,950.00
31 32 36 11-0072	EA	Spider Excavation.....	5,500.00

31 32 36 13 Driven Soil Nailing (31 32 36)

31 32 36 13-0001		Large Diameter Micropiles (31 32 36 13)	
Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).			
31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing).....	94.50
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing).....	130.25
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing).....	166.50
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing).....	213.25

31 32 36 16 Grouted Soil Nailing (31 32 36)

31 32 36 16-0001		Grouting (31 32 36 16)	
Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).			



Earthwork		31
Earthwork Methods	31 30	31
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 16-0002	Compaction Grouting (31 32 36 16-0001) Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.		
31 32 36 16-0003	LF Compaction Grouting Casing Installation.....	52.75	
31 32 36 16-0004	CF Compaction Grout Injection for Soils Densification.....	55.50	
31 32 36 16-0005	CF Compaction Grout For Void Fill.....	39.00	
31 32 36 16-0006	Polyurethane Grouting (31 32 36 16-0001) Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - Lbs./CF D 1622 3.0 Lbs./CF 6.0 Lbs./CF Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3' below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.		
31 32 36 16-0007	LB Polyurethane Grouting For Void Fill and Re-Leveling.....	11.50	
31 32 36 19	Corrosion-Protected Soil Nailing (31 32 36)		
31 32 36 19-0001	Self-Drilling SuperNails® / SuperMicropiles™ (31 32 36 19) Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 19-0002	Self-Drilling SuperNails® (31 32 36 19-0001)		
31 32 36 19-0003	EA Self Drilling SuperNails® Up To 10 Ft. Length.....	559.00	
31 32 36 19-0004	EA Self Drilling SuperNails® Up To 20 Ft. Length.....	939.25	
31 32 36 19-0005	EA Self Drilling SuperNails® Up To 30 Ft. Length.....	1,305.75	
31 32 36 19-0006	EA Self Drilling SuperNails® Up To 40 Ft. Length.....	1,735.75	
31 32 36 19-0007	EA Self Drilling SuperNails® Up To 50 Ft. Length.....	2,119.75	
31 32 36 19-0008	EA Self Drilling SuperNails® Up To 60 Ft. Length.....	2,459.25	
31 32 36 19-0009	EA Self Drilling SuperNails® Up To 70 Ft. Length.....	2,879.25	
31 32 36 19-0010	EA Self Drilling SuperNails® Up To 80 Ft. Length.....	3,253.50	
31 32 36 19-0011	EA Additional Cost for 10' High Capacity X-51 Bar	129.50	
31 32 36 19-0012	SuperNail® Testing (31 32 36 19) Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 19-0013	EA	SuperNail® Proof Testing	769.00	
31 32 36 19-0014	EA	SuperNail® Verification Testing	2,339.75	

31 32 36 26 Launched Soil Nailing (31 32 36)

31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains) (31 32 36 26)

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20'	605.00	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20'	621.50	
		Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20'	478.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0005	EA	Temporary Launched Soil Nail	379.50	
		Note: bare steel tube up to 20 ft. length.		
31 32 36 26-0006	EA	Fiberglass SuperDrain™	495.00	
		Note: perforated fiberglass tube up to 20 ft. length.		
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™	379.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		

31 32 36 29 Drilled Soil Nailing (31 32 36)

31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails) (31 32 36 29)

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length	602.25	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length	693.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length	921.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length	1,056.00	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length	1,171.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length	1,376.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length	1,624.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length	1,872.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		

31 32 36 33 Drilled / Launched Soil Nailing (31 32 36)

31 32 36 33-0001 Drilled / Launched SuperMicropiles™ (31 32 36 33)

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length	695.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length	1,020.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length	1,280.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length	1,540.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		



	Earthwork	31	
	Earthwork Methods	31 30	
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 35 Slope Protection (31 30)

31 35 19 Geosynthetic Slope Protection (31 35)

31 35 19 19 Slope Protection with Mulch Control Netting (31 35 19)

Note: Includes stakes.

31 35 19 19-0001 Erosion Control Fabric (31 35 19 19)

31 35 19 19-0002 SY 26.6 Oz./SY Erosion Control Fabric (Belton Industries Geocoir 900) 5.49

31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)

31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002 SY 6" Deep Stone Filled Gabion Slope Protection 75.65
31 36 13 00-0003 SY 9" Deep Stone Filled Gabion Slope Protection 89.29
31 36 13 00-0004 SY 12" Deep Stone Filled Gabion Slope Protection 107.69
31 36 13 00-0005 SY 15" Deep Stone Filled Gabion Slope Protection 127.22
31 36 13 00-0006 SY 18" Deep Stone Filled Gabion Slope Protection 149.39
31 36 13 00-0007 SY 24" Deep Stone Filled Gabion Slope Protection 204.47
31 36 13 00-0008 SY 36" Deep Stone Filled Gabion Slope Protection 258.43

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.

31 37 13 Machined Riprap (31 37)

31 37 13 00-0001 Random - Filter Stone (31 37 13)

31 37 13 00-0002 CY 10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 86.97
For Chinking Material, Add 14.39
31 37 13 00-0003 CY >50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 101.69
For Chinking Material, Add 14.39
31 37 13 00-0004 CY >100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 108.63
For Chinking Material, Add 14.39
31 37 13 00-0005 CY >200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 116.53
For Chinking Material, Add 14.39
31 37 13 00-0006 CY >300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 122.90
For Chinking Material, Add 14.39
31 37 13 00-0007 CY >600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 133.32
31 37 13 00-0008 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip
Rap 150.96
31 37 13 00-0009 TON 10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 57.24
31 37 13 00-0010 TON >50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 66.59
31 37 13 00-0011 TON >100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 70.99
31 37 13 00-0012 TON >200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 76.01
31 37 13 00-0013 TON >300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 80.05
31 37 13 00-0014 TON >600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 86.74
31 37 13 00-0015 TON 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip
Rap 101.09

31 37 13 00-0016 Riprap Stone Channel Protection (31 37 13)

31 37 13 00-0017 SY 12" Thick (D50=6") Riprap Stone Channel Protection 71.90
31 37 13 00-0018 SY 16" Thick (D50=8") Riprap Stone Channel Protection 84.61
31 37 13 00-0019 SY 18" Thick (D50=6") Riprap Stone Channel Protection 99.13
31 37 13 00-0020 SY 18" Thick (D50=9") Riprap Stone Channel Protection 99.33
31 37 13 00-0021 SY 20" Thick (D50=10") Riprap Stone Channel Protection 112.16
31 37 13 00-0022 SY 24" Thick (D50=12") Riprap Stone Channel Protection 133.63
31 37 13 00-0023 SY 27" Thick (D50=9") Riprap Stone Channel Protection 146.58
31 37 13 00-0024 SY 30" Thick (D50=15") Riprap Stone Channel Protection 153.13
31 37 13 00-0025 SY 36" Thick (D50=18") Riprap Stone Channel Protection 170.79
31 37 13 00-0026 SY 42" Thick (D50=21") Riprap Stone Channel Protection 184.12
31 37 13 00-0027 SY 48" Thick (D50=12") Riprap Stone Channel Protection 200.20

31 37 13 00-0028 Riprap Stone Slope Protection (31 37 13)

31 37 13 00-0029 SY 16" Thick (D50=8") Riprap Stone Slope Protection 84.61
31 37 13 00-0030 SY 18" Thick (D50=6") Riprap Stone Slope Protection 99.13
31 37 13 00-0031 SY 18" Thick (D50=9") Riprap Stone Slope Protection 100.21
31 37 13 00-0032 SY 24" Thick (D50=12") Riprap Stone Slope Protection 133.63
31 37 13 00-0033 SY 30" Thick (D50=15") Riprap Stone Slope Protection 153.13
31 37 13 00-0034 SY 32" Thick (D50=16") Riprap Stone Slope Protection 162.16
31 37 13 00-0035 SY 36" Thick (D50=18") Riprap Stone Slope Protection 170.79

31 Earthwork**31 30 Earthwork Methods****31 37 Riprap**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 37 13 00-0036 SY 48" Thick (D50=24") Riprap Stone Slope Protection.....178.14

31 40 Shoring and Underpinning ⁽³¹⁾**31 41 Shoring** ^(31 40)**31 41 13 Timber Shoring** ^(31 41)

31 41 13 00-0001 Wood Sheet Piling ^(31 41 13)

31 41 13 00-0002 Pull And Salvage ^(31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 13 00-0003	SF 8' Deep Excavation, Wood Shoring, Pull And Salvage	14.89
	<i>For Wood Sheeting Left In Place</i>	-1.35
31 41 13 00-0004	SF 10' Deep Excavation, Wood Shoring, Pull And Salvage	16.12
	<i>For Wood Sheeting Left In Place</i>	-1.58
31 41 13 00-0005	SF 12' Deep Excavation, Wood Shoring, Pull And Salvage	17.45
	<i>For Wood Sheeting Left In Place</i>	-1.84
31 41 13 00-0006	SF 14' Deep Excavation, Wood Shoring, Pull And Salvage	18.90
	<i>For Wood Sheeting Left In Place</i>	-2.13
31 41 13 00-0007	SF 16' Deep Excavation, Wood Shoring, Pull And Salvage	20.48
	<i>For Wood Sheeting Left In Place</i>	-2.43
31 41 13 00-0008	SF 18' Deep Excavation, Wood Shoring, Pull And Salvage	22.19
	<i>For Wood Sheeting Left In Place</i>	-2.80
31 41 13 00-0009	SF 20' Deep Excavation, Wood Shoring, Pull And Salvage	24.06
	<i>For Wood Sheeting Left In Place</i>	-3.18

31 41 16 Sheet Piling ^(31 41)**31 41 16 13 Steel Sheet Piling** ^(31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage ^(31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,356.74
	<i>For Standard Sheeting Left In Place, Add</i>	1,259.39
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,211.59
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	107.55
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	119.50
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	370.44
	<i>For Each Additional Month >3 Months, Add</i>	59.75
31 41 16 13-0003	TON Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,451.52
	<i>For Standard Sheeting Left In Place, Add</i>	1,212.00
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,164.20
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	107.55
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	119.50
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	370.44
	<i>For Each Additional Month >3 Months, Add</i>	59.75
31 41 16 13-0004	TON Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,892.17
	<i>For Standard Sheeting Left In Place, Add</i>	991.67
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	943.88
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	107.55
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	119.50
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	370.44
	<i>For Each Additional Month >3 Months, Add</i>	59.75
31 41 16 13-0005	TON Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,316.18
	<i>For Standard Sheeting Left In Place, Add</i>	779.67
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	731.87
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	107.55
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	119.50
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	370.44
	<i>For Each Additional Month >3 Months, Add</i>	59.75
31 41 16 13-0006	TON Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,565.60
	<i>For Standard Sheeting Left In Place, Add</i>	654.96
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	607.16
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	107.55
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	119.50
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	370.44
	<i>For Each Additional Month >3 Months, Add</i>	59.75
31 41 16 13-0007	TON Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,820.01
	<i>For Standard Sheeting Left In Place, Add</i>	527.75
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	479.96
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	107.55
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	119.50
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	370.44
	<i>For Each Additional Month >3 Months, Add</i>	59.75

31 43 Concrete Raising ^(31 40)**31 43 13 Pressure Grouting** ^(31 43)



		Earthwork	31
		Shoring and Underpinning	31 40
		Concrete Raising	31 43

15

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 43 13 16		Polyurethane Pressure Grouting (31 43 13)		
31 43 13 16-0001		PolyLift™ Concrete Injection For Lifting And Leveling (31 43 13 16)		
31 43 13 16-0002	EA	Minimum Charge For Mobilization PolyLift™ Concrete Lifting And Leveling	3,692.37	
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling	31.00	
		Note: Per pound of material.		
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling	25.98	
		Note: Per pound of material.		
31 45		Vibroflotation and Densification (31 45)		
31 45 13		Vibroflotation (31 45)		
31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation.....	18.65	
31 60		Special Foundations and Load-bearing Elements (31)		
31 62		Driven Piles (31 62)		
31 62 13		Concrete Piles (31 62)		
31 62 13 23		Prestressed Concrete Piles (31 62 13)		
31 62 13 23-0001		Square Prestressed Driven Concrete Piles (31 62 13 23)		
31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	37.07	
		For Piles Driven In Water, Add	17.95	
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	46.51	
		For Piles Driven In Water, Add	20.21	
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	56.40	
		For Piles Driven In Water, Add	22.25	
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	69.11	
		For Piles Driven In Water, Add	24.70	
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	83.90	
		For Piles Driven In Water, Add	27.54	
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	97.07	
		For Piles Driven In Water, Add	30.46	
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	123.84	
		For Piles Driven In Water, Add	35.03	
31 62 13 23-0009		Octagonal Prestressed Driven Concrete Piles (31 62 13 23)		
31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	41.65	
		For Piles Driven In Water, Add	18.82	
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	51.11	
		For Piles Driven In Water, Add	20.67	
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	60.73	
		For Piles Driven In Water, Add	22.68	
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	72.62	
		For Piles Driven In Water, Add	25.06	
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	77.29	
		For Piles Driven In Water, Add	26.88	
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	82.25	
		For Piles Driven In Water, Add	28.98	
31 62 13 23-0016		Straight Cylinder Prestressed Driven Concrete Piles (31 62 13 23)		
31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	59.81	
		For Piles Driven In Water, Add	19.81	
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	70.87	
		For Piles Driven In Water, Add	21.74	
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	83.95	
		For Piles Driven In Water, Add	23.96	
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	94.99	
		For Piles Driven In Water, Add	26.10	
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	119.35	
		For Piles Driven In Water, Add	29.73	
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	147.47	
		For Piles Driven In Water, Add	33.90	
31 62 16		Steel Piles (31 62)		
31 62 16 16		Steel H Piles (31 62 16)		
31 62 16 16-0001		Rolled, Driven Steel H Piles (31 62 16 16)		
31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	37.14	
		For Piles Driven In Water, Add	19.28	
31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	41.31	
		For Piles Driven In Water, Add	20.47	
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	49.58	
		For Piles Driven In Water, Add	21.29	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile <i>For Piles Driven In Water, Add</i>	47.92 21.61	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile <i>For Piles Driven In Water, Add</i>	53.43 22.16	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile <i>For Piles Driven In Water, Add</i>	61.07 24.34	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile <i>For Piles Driven In Water, Add</i>	66.58 24.89	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile <i>For Piles Driven In Water, Add</i>	61.01 24.78	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile <i>For Piles Driven In Water, Add</i>	70.38 25.71	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile <i>For Piles Driven In Water, Add</i>	78.73 28.11	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile <i>For Piles Driven In Water, Add</i>	87.55 28.99	
31 62 16 16-0013		Splices, Caps, And Points For H-Piles (31 62 16 16)		
31 62 16 16-0014		Rolled Steel H Pile Splices (31 62 16 16-0013)		
31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	328.86	
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	368.03	
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	505.05	
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	524.63	
31 62 16 16-0019		Rolled Steel H Driving Caps (31 62 16 16-0013)		
31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,258.91	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,258.91	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,320.55	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	4,985.31	
31 62 16 16-0024		Rolled Steel H Standard Pile Points (31 62 16 16-0013)		
31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	348.45	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	368.03	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	505.05	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	563.80	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	505.05	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	601.74	
31 62 16 19		Unfilled Tubular Steel Piles (31 62 16)		
31 62 16 19-0001		Unfilled Tubular Driven Steel Piles (31 62 16 19)		
31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	54.08 25.33	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	62.07 26.13	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	70.69 27.00	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	62.07	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	69.65	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	86.42	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	72.63	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	81.51	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	86.44	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	100.26	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	78.62	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	88.67	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	98.71	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	108.76	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	87.49	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	99.23	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	122.14	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	107.48	



Earthwork		31	CS
Special Foundations and Load-bearing Elements		31 60	
Driven Piles		31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0020 VLF 18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile <i>For Piles Driven In Water, Add</i>	122.74 40.34	
31 62 16 19-0021 VLF 18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile <i>For Piles Driven In Water, Add</i>	151.74 43.24	
31 62 16 19-0022 Splices And Points For Pipe Piles (31 62 16 19)		
31 62 16 19-0023 Steel Pipe Pile Splices (31 62 16 19-0022)		
31 62 16 19-0024 EA 8" Diameter, Steel Pipe Pile Splice	357.35	
31 62 16 19-0025 EA 10" Diameter, Steel Pipe Pile Splice	392.37	
31 62 16 19-0026 EA 12" Diameter, Steel Pipe Pile Splice	502.21	
31 62 16 19-0027 EA 14" Diameter, Steel Pipe Pile Splice	536.74	
31 62 16 19-0028 EA 16" Diameter, Steel Pipe Pile Splice	660.44	
31 62 16 19-0029 EA 18" Diameter, Steel Pipe Pile Splice	808.92	
31 62 16 19-0030 Steel Pipe Standard Pile Points (31 62 16 19-0022)		
31 62 16 19-0031 EA 8" Diameter, Steel Pipe Standard Pile Point	338.61	
31 62 16 19-0032 EA 10" Diameter, Steel Pipe Standard Pile Point	366.65	
31 62 16 19-0033 EA 12" Diameter, Steel Pipe Standard Pile Point	418.79	
31 62 16 19-0034 EA 14" Diameter, Steel Pipe Standard Pile Point	495.91	
31 62 16 19-0035 EA 16" Diameter, Steel Pipe Standard Pile Point	566.02	
31 62 16 19-0036 EA 18" Diameter, Steel Pipe Standard Pile Point	649.79	
31 62 16 19-0037 Steel Pipe Heavy-Duty Pile Points (31 62 16 19-0022)		
31 62 16 19-0038 EA 10" Diameter, Steel Pipe Heavy-Duty Pile Point	486.53	
31 62 16 19-0039 EA 12" Diameter, Steel Pipe Heavy-Duty Pile Point	521.59	
31 62 16 19-0040 EA 14" Diameter, Steel Pipe Heavy-Duty Pile Point	590.15	
31 62 16 19-0041 EA 16" Diameter, Steel Pipe Heavy-Duty Pile Point	730.38	
31 62 16 19-0042 EA 18" Diameter, Steel Pipe Heavy-Duty Pile Point	842.17	
31 62 19 Timber Piles (31 62)		
31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles (31 62 19) Note: 12 Lb. Penta-treated/CF.		
31 62 19 00-0002 LF Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile >50', Add</i>	39.95 17.83 -9.09 12.50 20.10 139.40	
31 62 19 00-0003 LF >30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile >50', Add</i>	42.14 19.78 -9.19 12.50 20.10 139.40	
31 62 19 00-0004 LF 39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile >50', Add</i>	44.44 21.05 -9.62 12.50 20.10 139.40	
31 62 19 00-0005 LF >49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile >50', Add</i>	47.91 23.48 -10.05 12.50 20.10 139.40	
31 62 19 00-0006 LF >59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile >50', Add</i>	59.39 26.69 -13.44 12.50 20.10 139.40	
31 62 19 00-0007 LF >69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile >50', Add</i>	74.13 32.32 -17.19 12.50 20.10 139.40	
31 62 23 Composite Piles (31 62)		
31 62 23 13 Concrete-Filled Steel Piles (31 62 23)		
31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles (31 62 23 13) Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.		

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0002		VLF 8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	58.29 6.51 27.48	
31 62 23 13-0003		VLF 8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	66.28 7.31 28.28	
31 62 23 13-0004		VLF 8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	74.90 8.17 29.14	
31 62 23 13-0005		VLF 10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	68.18 9.18 28.96	
31 62 23 13-0006		VLF 10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	75.76 9.94 29.72	
31 62 23 13-0007		VLF 10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	92.53 11.61 31.39	
31 62 23 13-0008		VLF 12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	81.21 12.39 32.12	
31 62 23 13-0009		VLF 12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	90.09 13.28 33.01	
31 62 23 13-0010		VLF 12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	95.03 13.78 33.51	
31 62 23 13-0011		VLF 12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	108.84 15.16 34.89	
31 62 23 13-0012		VLF 14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	90.28 15.35 37.09	
31 62 23 13-0013		VLF 14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	100.32 16.35 38.09	
31 62 23 13-0014		VLF 14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	110.37 17.36 39.10	
31 62 23 13-0015		VLF 14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	120.42 18.36 40.10	
31 62 23 13-0016		VLF 16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	99.99 19.03 39.74	
31 62 23 13-0017		VLF 16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	111.74 20.20 40.91	
31 62 23 13-0018		VLF 16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	134.64 22.49 43.20	
31 62 23 13-0019		VLF 18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	122.49 24.32 44.38	
31 62 23 13-0020		VLF 18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	137.75 25.85 45.91	
31 62 23 13-0021		VLF 18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	166.75 28.75 48.81	
31 62 23 13-0022		7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles (31 62 23 13) Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0023		VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	73.44 23.95	
31 62 23 13-0024		VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	88.82 26.68	
31 62 23 13-0025		VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	100.42 29.19	
31 62 23 13-0026		VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	109.23 31.68	
31 62 23 13-0027		Tapered Friction Concrete-Filled Driven Steel Piles (31 62 23 13) Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0028		VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	72.08 23.81	
31 62 23 13-0029		VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	74.08 25.20	
31 62 23 13-0030		VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	90.08 28.16	
31 62 23 13-0031		VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	103.76 31.13	



		Earthwork	31
		Special Foundations and Load-bearing Elements	31 60
		Driven Piles	31 62

15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles (31 62 23 13)		
31 62 23 13-0033 VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	43.83	
For Piles Driven In Water, Add	18.40	
For Thick Wall Shell, Add	0.07	
31 62 23 13-0034 VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	48.39	
For Piles Driven In Water, Add	20.40	
For Thick Wall Shell, Add	0.08	
31 62 23 13-0035 VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	52.91	
For Piles Driven In Water, Add	22.41	
For Thick Wall Shell, Add	0.08	
31 62 23 13-0036 VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	57.49	
For Piles Driven In Water, Add	24.43	
For Thick Wall Shell, Add	0.09	
31 62 23 13-0037 VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	62.05	
For Piles Driven In Water, Add	26.44	
For Thick Wall Shell, Add	0.10	
31 63 Bored Piles (31 60)		
31 63 36 Drilled Steel Piles (31 63)		
31 63 36 00-0001 Drill Hole (31 63 36)		
Note: Excludes removal of excess material.		
31 63 36 00-0002 Drilling Mobilization (31 63 36 00-0001)		
31 63 36 00-0003 EA >12" To 24" Diameter Hole, Drilling Mobilization	987.67	
31 63 36 00-0004 EA >24" Diameter Hole, Drilling Mobilization.....	1,316.89	
31 63 36 00-0005 Drill Hole In Soil (31 63 36 00-0001)		
31 63 36 00-0006 LF 18" Diameter, Up To 24' Depth, Drilled/Augered Hole	55.97	
31 63 36 00-0007 LF 20" Diameter, Up To 24' Depth, Drilled/Augered Hole	65.09	
31 63 36 00-0008 LF 22" Diameter, Up To 24' Depth, Drilled/Augered Hole	76.48	
31 63 36 00-0009 LF 24" Diameter, Up To 24' Depth, Drilled/Augered Hole	90.15	
31 63 36 00-0010 LF 26" Diameter, Up To 24' Depth, Drilled/Augered Hole	97.44	
31 63 36 00-0011 LF 28" Diameter, Up To 24' Depth, Drilled/Augered Hole	107.21	
31 63 36 00-0012 LF 30" Diameter, Up To 24' Depth, Drilled/Augered Hole	117.43	
31 63 36 00-0013 Steel H Piles (31 63 36)		
31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles (31 63 36 00-0013)		
Note: Includes guides, bracing and alignment.		
31 63 36 00-0015 VLF 8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	33.42	
For >2,400 To 3,600, Deduct	-1.17	
For >3,600 To 4,800, Deduct	-2.35	
For >4,800 To 6,000, Deduct	-4.02	
For >6,000, Deduct	-5.69	
31 63 36 00-0016 VLF 10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	37.42	
For >2,400 To 3,600, Deduct	-1.29	
For >3,600 To 4,800, Deduct	-2.58	
For >4,800 To 6,000, Deduct	-4.46	
For >6,000, Deduct	-6.33	
31 63 36 00-0017 VLF 10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	45.69	
For >2,400 To 3,600, Deduct	-1.50	
For >3,600 To 4,800, Deduct	-3.00	
For >4,800 To 6,000, Deduct	-5.28	
For >6,000, Deduct	-7.57	
31 63 36 00-0018 VLF 12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	43.91	
For >2,400 To 3,600, Deduct	-1.46	
For >3,600 To 4,800, Deduct	-2.93	
For >4,800 To 6,000, Deduct	-5.13	
For >6,000, Deduct	-7.32	
31 63 36 00-0019 VLF 12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	49.42	
For >2,400 To 3,600, Deduct	-1.60	
For >3,600 To 4,800, Deduct	-3.21	
For >4,800 To 6,000, Deduct	-5.68	
For >6,000, Deduct	-8.15	
31 63 36 00-0020 VLF 12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.70	
For >2,400 To 3,600, Deduct	-1.81	
For >3,600 To 4,800, Deduct	-3.63	
For >4,800 To 6,000, Deduct	-6.46	
For >6,000, Deduct	-9.30	
31 63 36 00-0021 VLF 12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	62.21	
For >2,400 To 3,600, Deduct	-1.95	
For >3,600 To 4,800, Deduct	-3.91	
For >4,800 To 6,000, Deduct	-7.02	
For >6,000, Deduct	-10.13	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 63 Bored Piles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0022	VLF	14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.55	
		For >2,400 To 3,600, Deduct	-1.82	
		For >3,600 To 4,800, Deduct	-3.64	
		For >4,800 To 6,000, Deduct	-6.47	
		For >6,000, Deduct	-9.30	
31 63 36 00-0023	VLF	14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	65.92	
		For >2,400 To 3,600, Deduct	-2.06	
		For >3,600 To 4,800, Deduct	-4.11	
		For >4,800 To 6,000, Deduct	-7.41	
		For >6,000, Deduct	-10.70	
31 63 36 00-0024	VLF	14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	73.90	
		For >2,400 To 3,600, Deduct	-2.29	
		For >3,600 To 4,800, Deduct	-4.58	
		For >4,800 To 6,000, Deduct	-8.27	
		For >6,000, Deduct	-11.97	
31 63 36 00-0025	VLF	14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	82.72	
		For >2,400 To 3,600, Deduct	-2.51	
		For >3,600 To 4,800, Deduct	-5.02	
		For >4,800 To 6,000, Deduct	-9.15	
		For >6,000, Deduct	-13.29	
31 63 36 00-0026		Welded Steel Stud Pins (31 63 36 00-0013)		
		Note: Includes welding to steel piles.		
31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	14.18	
		For >50 To 150, Deduct	-0.63	
		For >150 To 250, Deduct	-1.31	
		For >250 To 500, Deduct	-1.98	
		For >500, Deduct	-2.65	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins	15.71	
		For >50 To 150, Deduct	-0.63	
		For >150 To 250, Deduct	-1.34	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.76	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins	17.18	
		For >50 To 150, Deduct	-0.63	
		For >150 To 250, Deduct	-1.38	
		For >250 To 500, Deduct	-2.13	
		For >500, Deduct	-2.87	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	15.73	
		For >50 To 150, Deduct	-0.67	
		For >150 To 250, Deduct	-1.39	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-2.85	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	18.04	
		For >50 To 150, Deduct	-0.67	
		For >150 To 250, Deduct	-1.45	
		For >250 To 500, Deduct	-2.24	
		For >500, Deduct	-3.02	
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	19.66	
		For >50 To 150, Deduct	-0.67	
		For >150 To 250, Deduct	-1.49	
		For >250 To 500, Deduct	-2.32	
		For >500, Deduct	-3.14	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	17.64	
		For >50 To 150, Deduct	-0.69	
		For >150 To 250, Deduct	-1.48	
		For >250 To 500, Deduct	-2.27	
		For >500, Deduct	-3.06	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	21.41	
		For >50 To 150, Deduct	-0.69	
		For >150 To 250, Deduct	-1.58	
		For >250 To 500, Deduct	-2.46	
		For >500, Deduct	-3.34	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	23.25	
		For >50 To 150, Deduct	-0.69	
		For >150 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.48	
31 63 36 00-0036		Concrete Fill (31 63 36)		
		See CSI section 03 37 16 00-0001 for pumping equipment.		
31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	47.04	
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	52.25	
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	57.48	
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	62.72	
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	67.93	
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	73.16	
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	85.94	

31 64 Caissons (31 60)**31 64 13 Box Caissons** (31 64)



Earthwork		31
Special Foundations and Load-bearing Elements		31 60
Caissons		31 64

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water ^(31 64 13) Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0002 Caisson In Stable Ground ^(31 64 13 00-0001) Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0003 VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	59.97	
For >50' To 100' Deep, Add	5.82	
For >100' To 150' Deep, Add	14.99	
For >150' To 200' Deep, Add	20.02	
For Right Angle Drilling, Add	15.92	
For >3 To 9, Deduct	-1.52	
For >9, Deduct	-3.14	
31 64 13 00-0004 VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	75.28	
For >50' To 100' Deep, Add	7.99	
For >100' To 150' Deep, Add	18.82	
For >150' To 200' Deep, Add	25.99	
For Right Angle Drilling, Add	17.85	
For >3 To 9, Deduct	-2.55	
For >9, Deduct	-5.27	
31 64 13 00-0005 VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	106.35	
For >50' To 100' Deep, Add	11.78	
For >100' To 150' Deep, Add	26.59	
For >150' To 200' Deep, Add	37.32	
For Right Angle Drilling, Add	23.68	
For >3 To 9, Deduct	-4.06	
For >9, Deduct	-8.39	
31 64 13 00-0006 VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	140.57	
For >50' To 100' Deep, Add	16.07	
For >100' To 150' Deep, Add	35.14	
For >150' To 200' Deep, Add	49.96	
For Right Angle Drilling, Add	29.73	
For >3 To 9, Deduct	-5.84	
For >9, Deduct	-12.07	
31 64 13 00-0007 VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	179.72	
For >50' To 100' Deep, Add	21.29	
For >100' To 150' Deep, Add	44.93	
For >150' To 200' Deep, Add	64.80	
For Right Angle Drilling, Add	35.70	
For >3 To 9, Deduct	-8.16	
For >9, Deduct	-16.87	
31 64 13 00-0008 VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	216.34	
For >50' To 100' Deep, Add	26.10	
For >100' To 150' Deep, Add	54.09	
For >150' To 200' Deep, Add	78.59	
For Right Angle Drilling, Add	41.49	
For >3 To 9, Deduct	-10.27	
For >9, Deduct	-21.22	
31 64 13 00-0009 VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	260.64	
For >50' To 100' Deep, Add	32.39	
For >100' To 150' Deep, Add	65.16	
For >150' To 200' Deep, Add	95.87	
For Right Angle Drilling, Add	47.02	
For >3 To 9, Deduct	-13.26	
For >9, Deduct	-27.41	
31 64 13 00-0010 VLF 60" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.	305.91	
For >50' To 100' Deep, Add	38.83	
For >100' To 150' Deep, Add	76.48	
For >150' To 200' Deep, Add	113.54	
For Right Angle Drilling, Add	52.65	
For >3 To 9, Deduct	-16.33	
For >9, Deduct	-33.74	
31 64 13 00-0011 VLF 66" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.	357.12	
For >50' To 100' Deep, Add	46.07	
For >100' To 150' Deep, Add	89.28	
For >150' To 200' Deep, Add	133.47	
For Right Angle Drilling, Add	59.15	
For >3 To 9, Deduct	-19.75	
For >9, Deduct	-40.82	
31 64 13 00-0012 VLF 72" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	415.75	
For >50' To 100' Deep, Add	54.42	
For >100' To 150' Deep, Add	103.94	
For >150' To 200' Deep, Add	156.37	
For Right Angle Drilling, Add	66.40	
For >3 To 9, Deduct	-23.74	
For >9, Deduct	-49.05	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0013	VLF		78" Diameter Caisson No Casing Stable Ground, No Ground Water 474.24 Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
			For >50' To 100' Deep, Add	62.91	
			For >100' To 150' Deep, Add	118.56	
			For >150' To 200' Deep, Add	179.42	
			For Right Angle Drilling, Add	73.13	
			For >3 To 9, Deduct	-27.86	
			For >9, Deduct	-57.57	
31 64 13 00-0014	VLF		84" Diameter Caisson No Casing Stable Ground, No Ground Water 536.66 Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
			For >50' To 100' Deep, Add	72.03	
			For >100' To 150' Deep, Add	134.17	
			For >150' To 200' Deep, Add	204.08	
			For Right Angle Drilling, Add	80.14	
			For >3 To 9, Deduct	-32.31	
			For >9, Deduct	-66.77	
31 64 13 00-0015			For Bell Excavation And Concrete, Add (31 64 13 00-0001)		
31 64 13 00-0016	EA		Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY 463.80		
			For >50' To 100' Deep, Add	37.80	
			For >100' To 150' Deep, Add	115.95	
			For >150' To 200' Deep, Add	145.81	
			For >3 To 9, Deduct	-5.00	
			For >9, Deduct	-10.34	
31 64 13 00-0017	EA		Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY 1,630.49		
			For >50' To 100' Deep, Add	133.11	
			For >100' To 150' Deep, Add	407.62	
			For >150' To 200' Deep, Add	512.87	
			For >3 To 9, Deduct	-17.79	
			For >9, Deduct	-36.77	
31 64 13 00-0018	EA		Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY 2,466.73		
			For >50' To 100' Deep, Add	204.59	
			For >100' To 150' Deep, Add	616.68	
			For >150' To 200' Deep, Add	779.92	
			For >3 To 9, Deduct	-29.93	
			For >9, Deduct	-61.85	
31 64 13 00-0019	EA		Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY 3,424.16		
			For >50' To 100' Deep, Add	284.56	
			For >100' To 150' Deep, Add	856.04	
			For >150' To 200' Deep, Add	1,083.34	
			For >3 To 9, Deduct	-42.07	
			For >9, Deduct	-86.94	
31 64 13 00-0020	EA		Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY 4,645.41		
			For >50' To 100' Deep, Add	379.14	
			For >100' To 150' Deep, Add	1,161.35	
			For >150' To 200' Deep, Add	1,461.08	
			For >3 To 9, Deduct	-50.59	
			For >9, Deduct	-104.55	
31 64 13 00-0021	EA		Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY 5,462.28		
			For >50' To 100' Deep, Add	445.61	
			For >100' To 150' Deep, Add	1,365.57	
			For >150' To 200' Deep, Add	1,717.75	
			For >3 To 9, Deduct	-59.30	
			For >9, Deduct	-122.55	
31 64 13 00-0022	EA		Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY 9,263.64		
			For >50' To 100' Deep, Add	754.21	
			For >100' To 150' Deep, Add	2,315.91	
			For >150' To 200' Deep, Add	2,911.28	
			For >3 To 9, Deduct	-99.14	
			For >9, Deduct	-204.89	
31 64 13 00-0023	EA		Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY 13,396.14		
			For >50' To 100' Deep, Add	1,101.79	
			For >100' To 150' Deep, Add	3,349.04	
			For >150' To 200' Deep, Add	4,223.92	
			For >3 To 9, Deduct	-153.81	
			For >9, Deduct	-317.87	
31 64 13 00-0024			Caisson In Wet Ground, Casing Pulled (31 64 13)		
			Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0025			Caisson In Wet Ground (31 64 13 00-0024)		
			Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0026	VLF		18" Diameter Caisson Wet Ground, Casing Pulled 66.37 Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
			For >50' To 100' Deep, Add	6.26	
			For >100' To 150' Deep, Add	16.59	
			For >150' To 200' Deep, Add	21.93	
			For Right Angle Drilling, Add	18.19	
			For >3 To 9, Deduct	-1.51	
			For >9, Deduct	-3.12	



		Earthwork	31
		Special Foundations and Load-bearing Elements	31 60
		Caissons	31 64

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	111.05 10.49 27.76 36.72 30.37 -2.55 -5.27	
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	146.60 14.59 36.65 49.40 37.77 -4.06 -8.39	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	201.15 20.31 50.29 68.13 50.93 -5.84 -12.07	
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	254.50 26.52 63.63 87.23 61.87 -8.16 -16.87	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	305.01 32.30 76.25 105.20 72.52 -10.27 -21.22	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	393.50 41.69 98.38 135.73 93.52 -13.26 -27.41	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	481.81 51.14 120.45 166.31 114.22 -16.33 -33.74	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled..... Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	549.54 59.54 137.39 191.20 126.49 -19.75 -40.82	
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled..... Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	624.64 69.04 156.16 219.04 139.51 -23.74 -49.05	
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled..... Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add For >3 To 9, Deduct For >9, Deduct	710.42 79.44 177.61 250.27 155.79 -27.86 -57.57	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0037 VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	800.57	
Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
For >50' To 100' Deep, Add	90.50	
For >100' To 150' Deep, Add	200.14	
For >150' To 200' Deep, Add	283.25	
For Right Angle Drilling, Add	172.51	
For >3 To 9, Deduct	-32.31	
For >9, Deduct	-66.77	
31 64 13 00-0038 For Bell Excavation And Concrete, Add (31 64 13 00-0024)		
31 64 13 00-0039 EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	533.62	
For >50' To 100' Deep, Add	42.69	
For >100' To 150' Deep, Add	133.41	
For >150' To 200' Deep, Add	166.76	
For >3 To 9, Deduct	-5.00	
For >9, Deduct	-10.34	
31 64 13 00-0040 EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,859.13	
For >50' To 100' Deep, Add	149.12	
For >100' To 150' Deep, Add	464.78	
For >150' To 200' Deep, Add	581.46	
For >3 To 9, Deduct	-17.79	
For >9, Deduct	-36.77	
31 64 13 00-0041 EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	2,553.01	
For >50' To 100' Deep, Add	190.87	
For >100' To 150' Deep, Add	638.25	
For >150' To 200' Deep, Add	781.10	
For >3 To 9, Deduct	-11.40	
For >9, Deduct	-23.55	
31 64 13 00-0042 EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	4,084.87	
For >50' To 100' Deep, Add	330.81	
For >100' To 150' Deep, Add	1,021.22	
For >150' To 200' Deep, Add	1,281.55	
For >3 To 9, Deduct	-42.07	
For >9, Deduct	-86.94	
31 64 13 00-0043 EA Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	5,297.02	
For >50' To 100' Deep, Add	424.75	
For >100' To 150' Deep, Add	1,324.26	
For >150' To 200' Deep, Add	1,656.56	
For >3 To 9, Deduct	-50.59	
For >9, Deduct	-104.55	
31 64 13 00-0044 EA Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	6,228.87	
For >50' To 100' Deep, Add	499.27	
For >100' To 150' Deep, Add	1,557.22	
For >150' To 200' Deep, Add	1,947.73	
For >3 To 9, Deduct	-59.30	
For >9, Deduct	-122.55	
31 64 13 00-0045 EA Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	10,566.85	
For >50' To 100' Deep, Add	845.43	
For >100' To 150' Deep, Add	2,641.71	
For >150' To 200' Deep, Add	3,302.24	
For >3 To 9, Deduct	-99.14	
For >9, Deduct	-204.89	
31 64 13 00-0046 EA Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	15,257.88	
For >50' To 100' Deep, Add	1,232.11	
For >100' To 150' Deep, Add	3,814.47	
For >150' To 200' Deep, Add	4,782.44	
For >3 To 9, Deduct	-153.81	
For >9, Deduct	-317.87	
31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale (31 64 13)		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048 Caisson In Soft Rock (31 64 13 00-0047)		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049 VLF 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	257.27	
Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
For Right Angle Drilling, Add	85.01	
For >3 To 9, Deduct	-1.51	
For >9, Deduct	-3.12	
31 64 13 00-0050 VLF 24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	429.25	
Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
For Right Angle Drilling, Add	141.74	
For >3 To 9, Deduct	-2.55	
For >9, Deduct	-5.27	
31 64 13 00-0051 VLF 30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	646.95	
Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
For Right Angle Drilling, Add	212.89	
For >3 To 9, Deduct	-4.06	
For >9, Deduct	-8.39	
31 64 13 00-0052 VLF 36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	826.67	
Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
For Right Angle Drilling, Add	269.86	
For >3 To 9, Deduct	-5.84	
For >9, Deduct	-12.07	



Earthwork		31
Special Foundations and Load-bearing Elements		31 60
Caissons		31 64

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0053 VLF 42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,062.20	
Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
For >50' To 100' Deep, Add	83.06	
For >100' To 150' Deep, Add	265.55	
For >150' To 200' Deep, Add	329.54	
For Right Angle Drilling, Add	344.57	
For >3 To 9, Deduct	-8.16	
For >9, Deduct	-16.87	
31 64 13 00-0054 VLF 48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,280.98	
Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
For Right Angle Drilling, Add	414.11	
For >3 To 9, Deduct	-10.27	
For >9, Deduct	-21.22	
31 64 13 00-0055 VLF 54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,566.45	
Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
For >50' To 100' Deep, Add	123.80	
For >100' To 150' Deep, Add	391.61	
For >150' To 200' Deep, Add	487.62	
For Right Angle Drilling, Add	504.05	
For >3 To 9, Deduct	-13.26	
For >9, Deduct	-27.41	
31 64 13 00-0056 VLF 60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,852.00	
Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
For Right Angle Drilling, Add	593.78	
For >3 To 9, Deduct	-16.33	
For >9, Deduct	-33.74	
31 64 13 00-0057 VLF 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,034.39	
Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.		
For >50' To 100' Deep, Add	163.48	
For >100' To 150' Deep, Add	508.60	
For >150' To 200' Deep, Add	636.66	
For Right Angle Drilling, Add	646.19	
For >3 To 9, Deduct	-19.76	
For >9, Deduct	-40.83	
31 64 13 00-0058 VLF 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,223.25	
Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
For Right Angle Drilling, Add	699.02	
For >3 To 9, Deduct	-23.74	
For >9, Deduct	-49.05	
31 64 13 00-0059 VLF 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,278.21	
Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
For >50' To 100' Deep, Add	189.19	
For >100' To 150' Deep, Add	569.55	
For >150' To 200' Deep, Add	720.61	
For Right Angle Drilling, Add	704.52	
For >3 To 9, Deduct	-27.86	
For >9, Deduct	-57.57	
31 64 13 00-0060 VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,720.34	
Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
For Right Angle Drilling, Add	844.43	
For >3 To 9, Deduct	-32.31	
For >9, Deduct	-66.77	
31 64 13 00-0061 For Bell Excavation And Concrete, Add (31 64 13 00-0047)		
31 64 13 00-0062 EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	914.87	
For >3 To 9, Deduct	-5.00	
For >9, Deduct	-10.34	
31 64 13 00-0063 EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,219.45	
For >3 To 9, Deduct	-17.79	
For >9, Deduct	-36.77	
31 64 13 00-0064 EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	4,824.92	
For >3 To 9, Deduct	-29.93	
For >9, Deduct	-61.85	
31 64 13 00-0065 EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	6,869.49	
For >3 To 9, Deduct	-42.07	
For >9, Deduct	-86.94	
31 64 13 00-0066 EA Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	9,079.05	
For >3 To 9, Deduct	-50.59	
For >9, Deduct	-104.55	
31 64 13 00-0067 EA Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	11,062.84	
For >3 To 9, Deduct	-59.30	
For >9, Deduct	-122.55	
31 64 13 00-0068 EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	16,730.16	
For >3 To 9, Deduct	-99.14	
For >9, Deduct	-204.89	
31 64 13 00-0069 EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	25,163.20	
For >3 To 9, Deduct	-153.81	
For >9, Deduct	-317.87	
31 64 13 00-0070 Set-up And Removal Of Caisson (31 64 13)		
Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.		
31 64 13 00-0071 EA Erect, Set-up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	4,377.08	
For >3 To 9, Deduct	-16.97	
For >9, Deduct	-35.08	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0072 EA Erect, Set-up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete.....	6,137.87	
For >3 To 9, Deduct	-45.26	
For >9, Deduct	-93.54	
31 64 13 00-0073 EA Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter.....	2,075.39	
31 64 13 00-0074 EA Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter.....	2,767.18	
31 64 13 00-0075 EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	172.95	

31 66 Special Foundation (31 60)**31 66 15 Helical Foundation Piles** (31 66)**31 66 15 00-0001 Helical Pier Restoration (Atlas)** (31 66 15)

31 66 15 00-0002 EA Structural Steel Piers (Atlas Pier System Or Equal).....	3,536.63	
Note: Includes heavy-duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling		
For >3 To 9, Deduct	-239.56	
For >9, Deduct	-495.09	
31 66 15 00-0003 EA Pressure Injecting Grout For Slab Repairs, Per Location	481.41	
Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling.		
For >3 To 9, Deduct	-31.48	
For >9, Deduct	-65.06	
31 66 15 00-0004 CY Pressure Injected Non-Shrink Grout	495.11	
For >3 To 9, Deduct	-31.48	
For >9, Deduct	-65.06	

31 68 Foundation Anchors (31 60)**31 68 13 Rock Foundation Anchors** (31 68)**31 68 13 00-0001 Materials And Placement** (31 68 13)**31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615** (31 68 13 00-0001)

Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

31 68 13 00-0003 3/4" Diameter (31 68 13 00-0002)

31 68 13 00-0004 EA 3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	273.42	
For >3 To 9, Deduct	-14.08	
For >9, Deduct	-29.11	
31 68 13 00-0005 EA 3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	395.10	
For >3 To 9, Deduct	-21.07	
For >9, Deduct	-43.54	
31 68 13 00-0006 EA 3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	488.24	
For >3 To 9, Deduct	-28.06	
For >9, Deduct	-57.98	
31 68 13 00-0007 EA 3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	638.49	
For >3 To 9, Deduct	-35.04	
For >9, Deduct	-72.42	

31 68 13 00-0008 1" Diameter (31 68 13 00-0002)

31 68 13 00-0009 EA 1" Rock Bolt, 5' Hollow Core Prestressable Anchor	351.27	
For >3 To 9, Deduct	-19.92	
For >9, Deduct	-41.17	
31 68 13 00-0010 EA 1" Rock Bolt, 10' Hollow Core Prestressable Anchor	544.79	
For >3 To 9, Deduct	-32.30	
For >9, Deduct	-66.75	
31 68 13 00-0011 EA 1" Rock Bolt, 15' Hollow Core Prestressable Anchor	709.79	
For >3 To 9, Deduct	-44.67	
For >9, Deduct	-92.32	
31 68 13 00-0012 EA 1" Rock Bolt, 20' Hollow Core Prestressable Anchor	931.93	
For >3 To 9, Deduct	-57.05	
For >9, Deduct	-117.90	

31 68 13 00-0013 1-3/8" Diameter (31 68 13 00-0002)

31 68 13 00-0014 EA 1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	591.32	
For >3 To 9, Deduct	-37.93	
For >9, Deduct	-78.38	
31 68 13 00-0015 EA 1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	922.49	
For >3 To 9, Deduct	-60.62	
For >9, Deduct	-125.29	
31 68 13 00-0016 EA 1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,225.18	
For >3 To 9, Deduct	-83.33	
For >9, Deduct	-172.21	
31 68 13 00-0017 EA 1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,584.93	
For >3 To 9, Deduct	-106.02	
For >9, Deduct	-219.12	



		Earthwork	31
		Special Foundations and Load-bearing Elements	31 60
		Foundation Anchors	31 68

15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0018 2" Diameter (31 68 13 00-0002)		
31 68 13 00-0019 EA 2" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	1,321.38	
For >3 To 9, Deduct	-92.68	
For >9, Deduct	-191.54	
31 68 13 00-0020 EA 2" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	1,966.96	
For >3 To 9, Deduct	-138.96	
For >9, Deduct	-287.18	
31 68 13 00-0021 EA 2" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	2,583.92	
For >3 To 9, Deduct	-185.23	
For >9, Deduct	-382.81	
31 68 13 00-0022 EA 2" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	3,258.07	
For >3 To 9, Deduct	-231.51	
For >9, Deduct	-478.45	
31 68 13 00-0023 Super High-Tensile Anchors, ASTM A-108 (31 68 13 00-0001)		
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024 3/4" Diameter (31 68 13 00-0023)		
31 68 13 00-0025 EA 3/4" Rock Bolt, 5' Super High-Tensile Anchor.....	194.64	
For >3 To 9, Deduct	-8.18	
For >9, Deduct	-16.90	
31 68 13 00-0026 EA 3/4" Rock Bolt, 10' Super High-Tensile Anchor.....	259.68	
For >3 To 9, Deduct	-10.91	
For >9, Deduct	-22.55	
31 68 13 00-0027 EA 3/4" Rock Bolt, 15' Super High-Tensile Anchor.....	296.05	
For >3 To 9, Deduct	-13.64	
For >9, Deduct	-28.19	
31 68 13 00-0028 EA 3/4" Rock Bolt, 20' Super High-Tensile Anchor.....	386.91	
For >3 To 9, Deduct	-16.17	
For >9, Deduct	-33.42	
31 68 13 00-0029 1" Diameter (31 68 13 00-0023)		
31 68 13 00-0030 EA 1" Rock Bolt, 5' Super High-Tensile Anchor.....	235.06	
For >3 To 9, Deduct	-11.21	
For >9, Deduct	-23.16	
31 68 13 00-0031 EA 1" Rock Bolt, 10' Super High-Tensile Anchor.....	327.76	
For >3 To 9, Deduct	-16.02	
For >9, Deduct	-33.11	
31 68 13 00-0032 EA 1" Rock Bolt, 15' Super High-Tensile Anchor.....	388.68	
For >3 To 9, Deduct	-20.59	
For >9, Deduct	-42.55	
31 68 13 00-0033 EA 1" Rock Bolt, 20' Super High-Tensile Anchor.....	506.70	
For >3 To 9, Deduct	-25.16	
For >9, Deduct	-51.99	
31 68 13 00-0034 1-1/4" Diameter (31 68 13 00-0023)		
31 68 13 00-0035 EA 1-1/4" Rock Bolt, 5' Super High-Tensile Anchor.....	353.73	
For >3 To 9, Deduct	-20.11	
For >9, Deduct	-41.55	
31 68 13 00-0036 EA 1-1/4" Rock Bolt, 10' Super High-Tensile Anchor.....	497.87	
For >3 To 9, Deduct	-28.78	
For >9, Deduct	-59.47	
31 68 13 00-0037 EA 1-1/4" Rock Bolt, 15' Super High-Tensile Anchor.....	612.73	
For >3 To 9, Deduct	-37.39	
For >9, Deduct	-77.28	
31 68 13 00-0038 EA 1-1/4" Rock Bolt, 20' Super High-Tensile Anchor.....	779.91	
For >3 To 9, Deduct	-45.65	
For >9, Deduct	-94.34	
31 68 13 00-0039 2" Diameter (31 68 13 00-0023)		
31 68 13 00-0040 EA 2" Rock Bolt, 5' Super High-Tensile Anchor.....	957.81	
For >3 To 9, Deduct	-65.41	
For >9, Deduct	-135.19	
31 68 13 00-0041 EA 2" Rock Bolt, 10' Super High-Tensile Anchor.....	1,363.11	
For >3 To 9, Deduct	-93.67	
For >9, Deduct	-193.59	
31 68 13 00-0042 EA 2" Rock Bolt, 15' Super High-Tensile Anchor.....	1,669.48	
For >3 To 9, Deduct	-116.65	
For >9, Deduct	-241.07	
31 68 13 00-0043 EA 2" Rock Bolt, 20' Super High-Tensile Anchor.....	2,051.50	
For >3 To 9, Deduct	-141.02	
For >9, Deduct	-291.44	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 68 Foundation Anchors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0044		Solid Rebar Anchors, ASTM A615 (31 68 13 00-0001)		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045		3/4" Diameter (31 68 13 00-0044)		
31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor.....	181.67	
		For >3 To 9, Deduct	-7.20	
		For >9, Deduct	-14.88	
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor.....	232.24	
		For >3 To 9, Deduct	-8.86	
		For >9, Deduct	-18.30	
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor.....	254.24	
		For >3 To 9, Deduct	-10.51	
		For >9, Deduct	-21.71	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor.....	333.38	
		For >3 To 9, Deduct	-12.16	
		For >9, Deduct	-25.13	
31 68 13 00-0050		1" Diameter (31 68 13 00-0044)		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor.....	206.64	
		For >3 To 9, Deduct	-9.08	
		For >9, Deduct	-18.76	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor.....	273.54	
		For >3 To 9, Deduct	-11.95	
		For >9, Deduct	-24.70	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor.....	311.95	
		For >3 To 9, Deduct	-14.83	
		For >9, Deduct	-30.66	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor.....	407.37	
		For >3 To 9, Deduct	-17.71	
		For >9, Deduct	-36.60	
31 68 13 00-0055		1-1/4" Diameter (31 68 13 00-0044)		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor.....	306.53	
		For >3 To 9, Deduct	-16.57	
		For >9, Deduct	-34.24	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor.....	395.00	
		For >3 To 9, Deduct	-21.06	
		For >9, Deduct	-43.53	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor.....	455.09	
		For >3 To 9, Deduct	-25.57	
		For >9, Deduct	-52.84	
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor.....	572.22	
		For >3 To 9, Deduct	-30.07	
		For >9, Deduct	-62.15	
31 68 13 00-0060		Resin Anchoring With Grade 60 Rebar (31 68 13 00-0001)		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061		Rebar #6 (31 68 13 00-0060)		
31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar.....	94.01	
		For >3 To 9, Deduct	-0.63	
		For >9, Deduct	-1.30	
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar.....	130.91	
		For >3 To 9, Deduct	-1.26	
		For >9, Deduct	-2.59	
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar.....	139.28	
		For >3 To 9, Deduct	-1.88	
		For >9, Deduct	-3.89	
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	188.01	
		For >3 To 9, Deduct	-1.26	
		For >9, Deduct	-2.59	
31 68 13 00-0066		Rebar #8 (31 68 13 00-0060)		
31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	100.52	
		For >3 To 9, Deduct	-1.12	
		For >9, Deduct	-2.31	
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	143.93	
		For >3 To 9, Deduct	-2.23	
		For >9, Deduct	-4.61	
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	158.81	
		For >3 To 9, Deduct	-3.35	
		For >9, Deduct	-6.92	
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	230.79	
		For >3 To 9, Deduct	-4.46	
		For >9, Deduct	-9.23	



		Earthwork	31
		Special Foundations and Load-bearing Elements	31 60
		Foundation Anchors	31 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0071 Rebar #10 (31 68 13 00-0060)		
31 68 13 00-0072 EA #10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	109.82	
For >3 To 9, Deduct	-1.81	
For >9, Deduct	-3.75	
31 68 13 00-0073 EA #10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	162.53	
For >3 To 9, Deduct	-3.63	
For >9, Deduct	-7.50	
31 68 13 00-0074 EA #10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	186.72	
For >3 To 9, Deduct	-5.44	
For >9, Deduct	-11.25	
31 68 13 00-0075 EA #10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	268.00	
For >3 To 9, Deduct	-7.25	
For >9, Deduct	-14.99	
31 68 13 00-0076 Rebar #14 (31 68 13 00-0060)		
31 68 13 00-0077 EA #14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	132.14	
For >3 To 9, Deduct	-3.49	
For >9, Deduct	-7.21	
31 68 13 00-0078 EA #14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	207.18	
For >3 To 9, Deduct	-6.98	
For >9, Deduct	-14.42	
31 68 13 00-0079 EA #14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	253.68	
For >3 To 9, Deduct	-10.46	
For >9, Deduct	-21.62	
31 68 13 00-0080 EA #14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	357.28	
For >3 To 9, Deduct	-13.95	
For >9, Deduct	-28.83	
31 68 13 00-0081 Plastic Rebar Collars, Sizes #6-#14 (31 68 13 00-0060)		
31 68 13 00-0082 EA Plastic Rebar Collars For Rebar #4 To #14	2.56	
For >3 To 9, Deduct	-0.19	
For >9, Deduct	-0.40	
31 68 13 00-0083 12" Long Resin Cartridges (31 68 13 00-0001)		
31 68 13 00-0084 EA 7/8" Resin Cartridge 12" Long	2.80	
For >3 To 9, Deduct	-0.21	
For >9, Deduct	-0.43	
31 68 13 00-0085 EA 1" Resin Cartridge 12" Long	3.84	
For >3 To 9, Deduct	-0.29	
For >9, Deduct	-0.60	
31 68 13 00-0086 EA 1-1/16" Resin Cartridge 12" Long	4.11	
For >3 To 9, Deduct	-0.31	
For >9, Deduct	-0.64	
31 68 13 00-0087 EA 1-1/4" Resin Cartridge 12" Long	4.44	
For >3 To 9, Deduct	-0.33	
For >9, Deduct	-0.69	
31 68 13 00-0088 EA 1-3/8" Resin Cartridge 12" Long	5.10	
For >3 To 9, Deduct	-0.38	
For >9, Deduct	-0.79	
31 68 13 00-0089 EA 1-9/16" Resin Cartridge 12" Long	6.39	
For >3 To 9, Deduct	-0.48	
For >9, Deduct	-0.99	
31 68 13 00-0090 EA 1-3/4" Resin Cartridge 12" Long	8.77	
For >3 To 9, Deduct	-0.66	
For >9, Deduct	-1.36	
31 68 13 00-0091 Head Assembly (31 68 13 00-0001)		
31 68 13 00-0092 3/4" Rod Diameter (31 68 13 00-0091)		
31 68 13 00-0093 EA 3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	40.69	
For >3 To 9, Deduct	-3.05	
For >9, Deduct	-6.31	
31 68 13 00-0094 EA 3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	34.27	
For >3 To 9, Deduct	-2.57	
For >9, Deduct	-5.31	
31 68 13 00-0095 EA 3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	35.95	
For >3 To 9, Deduct	-2.70	
For >9, Deduct	-5.57	
31 68 13 00-0096 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	64.55	
For >3 To 9, Deduct	-4.84	
For >9, Deduct	-10.01	
31 68 13 00-0097 EA 3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	64.55	
For >3 To 9, Deduct	-4.84	
For >9, Deduct	-10.01	
31 68 13 00-0098 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	61.15	
For >3 To 9, Deduct	-4.59	
For >9, Deduct	-9.48	

31	Earthwork
31 60	Special Foundations and Load-bearing Elements
31 68	Foundation Anchors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0099			1" Rod Diameter (31 68 13 00-0091)		
31 68 13 00-0100	EA		1" Rod Head Assembly 1-5/8" Short Cone and Shell.....	43.85	
			For>3 To 9, Deduct.....	-3.29	
			For>9, Deduct.....	-6.80	
31 68 13 00-0101	EA		1" Rod Head Assembly 1-3/4" Short Cone and Shell.....	37.53	
			For>3 To 9, Deduct.....	-2.81	
			For>9, Deduct.....	-5.82	
31 68 13 00-0102	EA		1" Rod Head Assembly 1-7/8" Short Cone and Shell.....	39.20	
			For>3 To 9, Deduct.....	-2.94	
			For>9, Deduct.....	-6.08	
31 68 13 00-0103	EA		1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	67.90	
			For>3 To 9, Deduct.....	-5.09	
			For>9, Deduct.....	-10.52	
31 68 13 00-0104	EA		1" Rod Head Assembly 1-7/8" Long Cone and Shell.....	67.90	
			For>3 To 9, Deduct.....	-5.09	
			For>9, Deduct.....	-10.52	
31 68 13 00-0105	EA		1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	64.73	
			For>3 To 9, Deduct.....	-4.85	
			For>9, Deduct.....	-10.03	
31 68 13 00-0106			1-1/4" Rod Diameter (31 68 13 00-0091)		
31 68 13 00-0107	EA		1-1/4" Rod Head Assembly 2" Short Cone and Shell.....	97.84	
			For>3 To 9, Deduct.....	-7.34	
			For>9, Deduct.....	-15.17	
31 68 13 00-0108	EA		1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell.....	114.31	
			For>3 To 9, Deduct.....	-8.57	
			For>9, Deduct.....	-17.72	
31 68 13 00-0109	EA		1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell.....	115.93	
			For>3 To 9, Deduct.....	-8.69	
			For>9, Deduct.....	-17.97	
31 68 13 00-0110	EA		1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell.....	102.82	
			For>3 To 9, Deduct.....	-7.71	
			For>9, Deduct.....	-15.94	
31 68 13 00-0111	EA		1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell.....	119.89	
			For>3 To 9, Deduct.....	-8.99	
			For>9, Deduct.....	-18.58	
31 68 13 00-0112			1-7/8" Rod Diameter (31 68 13 00-0091)		
31 68 13 00-0113	EA		1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/FI.....	385.10	
			For>3 To 9, Deduct.....	-28.88	
			For>9, Deduct.....	-59.69	
31 68 13 00-0114	EA		1-7/8" Rod Head Assembly 3" Long Cone and Shell.....	265.49	
			For>3 To 9, Deduct.....	-19.91	
			For>9, Deduct.....	-41.15	
31 68 13 00-0115			2" Rod Diameter (31 68 13 00-0091)		
31 68 13 00-0116	EA		2" Rod Head Assembly 3-1/2" Long Cone/Shell/FI.....	385.10	
			For>3 To 9, Deduct.....	-28.88	
			For>9, Deduct.....	-59.69	
31 68 13 00-0117	EA		2" Rod Head Assembly 3" Long Cone and Shell.....	265.49	
			For>3 To 9, Deduct.....	-19.91	
			For>9, Deduct.....	-41.15	
31 68 13 00-0118			Steel Plates With Standard Hole And Washers (31 68 13 00-0001)		
31 68 13 00-0119			Steel Plates (31 68 13 00-0118)		
31 68 13 00-0120	EA		1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer.....	3.31	
			For>3 To 9, Deduct.....	-0.25	
			For>9, Deduct.....	-0.51	
31 68 13 00-0121	EA		1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	6.11	
			For>3 To 9, Deduct.....	-0.46	
			For>9, Deduct.....	-0.95	
31 68 13 00-0122	EA		3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	8.50	
			For>3 To 9, Deduct.....	-0.64	
			For>9, Deduct.....	-1.32	
31 68 13 00-0123	EA		3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	14.91	
			For>3 To 9, Deduct.....	-1.12	
			For>9, Deduct.....	-2.31	
31 68 13 00-0124	EA		1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer.....	5.79	
			For>3 To 9, Deduct.....	-0.43	
			For>9, Deduct.....	-0.90	
31 68 13 00-0125	EA		1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	15.21	
			For>3 To 9, Deduct.....	-1.14	
			For>9, Deduct.....	-2.36	
31 68 13 00-0126	EA		3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer.....	25.24	
			For>3 To 9, Deduct.....	-1.89	
			For>9, Deduct.....	-3.91	



	Earthwork	31	
	Special Foundations and Load-bearing Elements	31 60	
	Foundation Anchors	31 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0127	EA		3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	35.76	
			For >3 To 9, Deduct	-2.68	
			For >9, Deduct	-5.54	
31 68 13 00-0128	EA		1" x 4" x 7" Steel Plate For Rock Bolt With Washer.....	21.46	
			For >3 To 9, Deduct	-1.61	
			For >9, Deduct	-3.33	
31 68 13 00-0129	EA		1" x 9" x 9" Steel Plate For Rock Bolt With Washer.....	60.72	
			For >3 To 9, Deduct	-4.55	
			For >9, Deduct	-9.41	
31 68 13 00-0130	EA		1" x 12" x 12" Steel Plate For Rock Bolt With Washer.....	89.47	
			For >3 To 9, Deduct	-6.71	
			For >9, Deduct	-13.87	
31 68 13 00-0131	EA		1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer.....	39.28	
			For >3 To 9, Deduct	-2.95	
			For >9, Deduct	-6.09	
31 68 13 00-0132	EA		1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer.....	106.23	
			For >3 To 9, Deduct	-7.97	
			For >9, Deduct	-16.47	
31 68 13 00-0133	EA		1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer.....	53.12	
			For >3 To 9, Deduct	-3.98	
			For >9, Deduct	-8.23	
31 68 13 00-0134	EA		1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer.....	127.77	
			For >3 To 9, Deduct	-9.58	
			For >9, Deduct	-19.80	
31 68 13 00-0135	EA		1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer.....	58.64	
			For >3 To 9, Deduct	-4.40	
			For >9, Deduct	-9.09	
31 68 13 00-0136	EA		1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer.....	141.71	
			For >3 To 9, Deduct	-10.63	
			For >9, Deduct	-21.97	
31 68 13 00-0137 Hardened Washers (31 68 13 00-0118)					
31 68 13 00-0138	EA		Hardened Washer For 3/4" Diameter Rock Bolt.....	1.35	
			For >3 To 9, Deduct	-0.10	
			For >9, Deduct	-0.21	
31 68 13 00-0139	EA		Hardened Washer For 1" Diameter Rock Bolt.....	1.86	
			For >3 To 9, Deduct	-0.14	
			For >9, Deduct	-0.29	
31 68 13 00-0140	EA		Hardened Washer For 1-1/4" Diameter Rock Bolt.....	5.21	
			For >3 To 9, Deduct	-0.39	
			For >9, Deduct	-0.81	
31 68 13 00-0141	EA		Hardened Washer For 2" Diameter Rock Bolt.....	12.97	
			For >3 To 9, Deduct	-0.97	
			For >9, Deduct	-2.01	
31 68 13 00-0142 Beveled Washers (31 68 13 00-0118)					
31 68 13 00-0143	EA		Beveled Washer For 3/4" Diameter Rock Bolt.....	3.39	
			For >3 To 9, Deduct	-0.25	
			For >9, Deduct	-0.53	
31 68 13 00-0144	EA		Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt.....	3.35	
			For >3 To 9, Deduct	-0.25	
			For >9, Deduct	-0.52	
31 68 13 00-0145	EA		Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt.....	5.07	
			For >3 To 9, Deduct	-0.38	
			For >9, Deduct	-0.79	
31 68 13 00-0146	EA		Beveled Washer For 1-1/2" Diameter Rock Bolt.....	21.67	
			For >3 To 9, Deduct	-1.63	
			For >9, Deduct	-3.36	
31 68 13 00-0147	EA		Beveled Washer For 2" Diameter Rock Bolt.....	14.97	
			For >3 To 9, Deduct	-1.12	
			For >9, Deduct	-2.32	
31 68 13 00-0148 Hex Nuts (31 68 13 00-0118)					
31 68 13 00-0149	EA		Hex Nut For 3/4" Diameter Rock Bolt.....	2.65	
			For >3 To 9, Deduct	-0.20	
			For >9, Deduct	-0.41	
31 68 13 00-0150	EA		Hex Nut For 1" Diameter Rock Bolt.....	4.32	
			For >3 To 9, Deduct	-0.32	
			For >9, Deduct	-0.67	
31 68 13 00-0151	EA		Hex Nut For 1-1/4" Diameter Rock Bolt.....	17.72	
			For >3 To 9, Deduct	-1.33	
			For >9, Deduct	-2.75	
31 68 13 00-0152	EA		Hex Nut For 1-1/2" Diameter Rock Bolt.....	11.16	
			For >3 To 9, Deduct	-0.64	
			For >9, Deduct	-1.73	
31 68 13 00-0153	EA		Hex Nut For 2" Diameter Rock Bolt.....	71.20	
			For >3 To 9, Deduct	-5.34	
			For >9, Deduct	-11.04	
31 68 13 00-0154 Drilling Operation For Rock Bolts (31 68 13)					

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 68 Foundation Anchors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0155		Drill Holes For Rock Bolts (31 68 13 00-0154)		
31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole (31 68 13 00-0155)		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts.....	197.41	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts.....	372.87	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts.....	559.31	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts.....	671.18	
31 68 13 00-0161		1" Diameter Bolt, 2" Hole (31 68 13 00-0155)		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt.....	258.15	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt.....	479.42	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt.....	671.18	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt.....	838.98	
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole (31 68 13 00-0155)		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt.....	279.66	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt.....	559.31	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' Long For 1-1/4" Diameter Rock Bolt.....	838.98	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt.....	1,118.63	
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole (31 68 13 00-0155)		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5' Long For 2" Diameter Rock Bolt.....	335.58	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt.....	671.18	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts.....	1,118.63	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt.....	1,677.94	
31 68 13 00-0176		Tools (31 68 13)		
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental (31 68 13 00-0176)		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke.....	753.95	
		For >3 To 9, Deduct.....	-56.55	
		For >9, Deduct.....	-116.86	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke.....	1,111.10	
		For >3 To 9, Deduct.....	-83.33	
		For >9, Deduct.....	-172.22	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke.....	1,863.99	
		For >3 To 9, Deduct.....	-139.80	
		For >9, Deduct.....	-288.92	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke.....	2,790.62	
		For >3 To 9, Deduct.....	-209.30	
		For >9, Deduct.....	-432.55	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke.....	4,171.47	
		For >3 To 9, Deduct.....	-312.86	
		For >9, Deduct.....	-646.58	
31 68 13 00-0183		Torque Wrenches And Ratchet Adapter, Monthly Rental (31 68 13 00-0176)		
31 68 13 00-0184		0-500 Foot Pounds (0-678J) (31 68 13 00-0183)		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental.....	263.83	
		For >3 To 9, Deduct.....	-19.79	
		For >9, Deduct.....	-40.89	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds.....	165.38	
		For >3 To 9, Deduct.....	-12.40	
		For >9, Deduct.....	-25.63	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental.....	429.53	
		For >3 To 9, Deduct.....	-32.21	
		For >9, Deduct.....	-66.58	
31 68 13 00-0188		0-600 Foot Pounds (0-814J) (31 68 13 00-0183)		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental.....	299.55	
		For >3 To 9, Deduct.....	-22.47	
		For >9, Deduct.....	-46.43	
31 68 13 00-0190		Up To 1,000 Foot Pounds (0-1356J) (31 68 13 00-0183)		
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental.....	575.29	
		For >3 To 9, Deduct.....	-43.15	
		For >9, Deduct.....	-89.17	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental.....	141.89	
		For >3 To 9, Deduct.....	-10.64	
		For >9, Deduct.....	-21.99	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental.....	717.18	
		For >3 To 9, Deduct.....	-53.79	
		For >9, Deduct.....	-111.16	



		Earthwork	31
		Special Foundations and Load-bearing Elements	31 60
		Foundation Anchors	31 68

15

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0194		Torque Multiplier, 4:1 Multiplier (31 68 13 00-0176)		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio.....	736.80	
		For >3 To 9, Deduct	-55.26	
		For >9, Deduct	-114.20	
31 68 13 00-0196		Pneumatic Drive Torque Wrench (31 68 13 00-0176)		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	1,576.57	
		For >3 To 9, Deduct	-118.24	
		For >9, Deduct	-244.37	
31 68 13 00-0198		Grouting (31 68 13)		
31 68 13 00-0199		Grouting With Pumps (31 68 13 00-0198)		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery.....	24.15	
		For >3 To 9, Deduct	-0.99	
		For >9, Deduct	-2.04	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery.....	38.10	
		For >3 To 9, Deduct	-0.99	
		For >9, Deduct	-2.04	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery.....	35.11	
		For >3 To 9, Deduct	-0.99	
		For >9, Deduct	-2.04	
31 68 13 00-0203		Grout Pumps, Monthly Rental (31 68 13 00-0198)		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	179.10	
		For >3 To 9, Deduct	-13.43	
		For >9, Deduct	-27.76	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,506.62	
		For >3 To 9, Deduct	-113.00	
		For >9, Deduct	-233.53	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental.....	2,630.43	
		For >3 To 9, Deduct	-197.28	
		For >9, Deduct	-407.72	
31 68 13 00-0207		Rock Bolt Testing (31 68 13)		
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing.....	622.43	
		For >3 To 9, Deduct	-46.68	
		For >9, Deduct	-96.48	

END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 68	Foundation Anchors



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST

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Exterior Improvements	32	
Operation and Maintenance of Exterior Improvements	32 01	32
Paving Cleaning	32 01 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal from Paving ^(32 01 11)

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings ^(32 01 11 53)

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.32
		For Up To 250, Add	1.16
		For >250 To 1,000, Add	0.58
		For >5,000 To 10,000, Deduct	-0.35
		For >10,000 To 25,000, Deduct	-0.58
		For >25,000 To 50,000, Deduct	-0.81
		For >50,000, Deduct	-0.93
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.78
		For Up To 250, Add	1.39
		For >250 To 1,000, Add	0.70
		For >5,000 To 10,000, Deduct	-0.42
		For >10,000 To 25,000, Deduct	-0.70
		For >25,000 To 50,000, Deduct	-0.97
		For >50,000, Deduct	-1.11
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.34
		For Up To 250, Add	1.67
		For >250 To 1,000, Add	0.84
		For >5,000 To 10,000, Deduct	-0.50
		For >10,000 To 25,000, Deduct	-0.84
		For >25,000 To 50,000, Deduct	-1.17
		For >50,000, Deduct	-1.34
32 01 11 53-0005	LF	Removal Of 10" Wide Painted Or Epoxy Pavement Striping	3.18
		For Up To 250, Add	1.59
		For >250 To 1,000, Add	0.80
		For >5,000 To 10,000, Deduct	-0.48
		For >10,000 To 25,000, Deduct	-0.80
		For >25,000 To 50,000, Deduct	-1.11
		For >50,000, Deduct	-1.27
32 01 11 53-0006	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.99
		For Up To 250, Add	2.00
		For >250 To 1,000, Add	1.00
		For >5,000 To 10,000, Deduct	-0.60
		For >10,000 To 25,000, Deduct	-1.00
		For >25,000 To 50,000, Deduct	-1.40
		For >50,000, Deduct	-1.60
32 01 11 53-0007	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.99
		For Up To 250, Add	2.00
		For >250 To 1,000, Add	1.00
		For >5,000 To 10,000, Deduct	-0.60
		For >10,000 To 25,000, Deduct	-1.00
		For >25,000 To 50,000, Deduct	-1.40
		For >50,000, Deduct	-1.60

32 01 11 53-0008 Remove Thermoplastic Pavement Markings ^(32 01 11 53)

32 01 11 53-0009	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	2.99
		For Up To 250, Add	1.50
		For >250 To 1,000, Add	0.75
		For >5,000 To 10,000, Deduct	-0.45
		For >10,000 To 25,000, Deduct	-0.75
		For >25,000 To 50,000, Deduct	-1.05
		For >50,000, Deduct	-1.20
32 01 11 53-0010	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.52
		For Up To 250, Add	1.76
		For >250 To 1,000, Add	0.88
		For >5,000 To 10,000, Deduct	-0.53
		For >10,000 To 25,000, Deduct	-0.88
		For >25,000 To 50,000, Deduct	-1.23
		For >50,000, Deduct	-1.41
32 01 11 53-0011	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.26
		For Up To 250, Add	2.13
		For >250 To 1,000, Add	1.07
		For >5,000 To 10,000, Deduct	-0.64
		For >10,000 To 25,000, Deduct	-1.07
		For >25,000 To 50,000, Deduct	-1.49
		For >50,000, Deduct	-1.70
32 01 11 53-0012	LF	Removal Of 10" Wide Thermoplastic Pavement Striping	4.06
		For Up To 250, Add	2.03
		For >250 To 1,000, Add	1.02
		For >5,000 To 10,000, Deduct	-0.61
		For >10,000 To 25,000, Deduct	-1.02
		For >25,000 To 50,000, Deduct	-1.42
		For >50,000, Deduct	-1.62

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 11 Paving Cleaning**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 11 53-0013	LF	Removal Of 12" Wide Thermoplastic Pavement Striping.....	5.09	
		For Up To 250, Add	2.55	
		For >250 To 1,000, Add	1.27	
		For >5,000 To 10,000, Deduct	-0.76	
		For >10,000 To 25,000, Deduct	-1.27	
		For >25,000 To 50,000, Deduct	-1.78	
		For >50,000, Deduct	-2.04	
32 01 11 53-0014	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols.....	5.09	
		For Up To 250, Add	2.55	
		For >250 To 1,000, Add	1.27	
		For >5,000 To 10,000, Deduct	-0.76	
		For >10,000 To 25,000, Deduct	-1.27	
		For >25,000 To 50,000, Deduct	-1.78	
		For >50,000, Deduct	-2.04	

32 01 13 Flexible Paving Surface Treatment (32 01)**32 01 13 61 Slurry Seal (Latex Modified)** (32 01 13)**32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot** (32 01 13 61)

Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Minimum Charge For Asphalt Seal Coating.....	953.61	
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively.		
		This task should not be used in conjunction with any other tasks in this section.		
32 01 13 61-0003	SY	Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat.....	3.54	
32 01 13 61-0004	SY	>500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat.....	3.27	
32 01 13 61-0005	SY	>1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat.....	3.06	
32 01 13 61-0006	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating, Per Coat.....	3.79	
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47	
		For Each 0.5% Of Latex Addition, Add	0.33	
32 01 13 61-0007	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat.....	3.58	
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46	
		For Each 0.5% Of Latex Addition, Add	0.33	
32 01 13 61-0008	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat.....	3.42	
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45	
		For Each 0.5% Of Latex Addition, Add	0.33	
32 01 13 61-0009	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat.....	3.27	
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44	
		For Each 0.5% Of Latex Addition, Add	0.33	
32 01 13 61-0010	SY	>20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat.....	3.27	
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44	
		For Each 0.5% Of Latex Addition, Add	0.33	
32 01 13 61-0011	SY	>50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat.....	3.00	
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.43	
		For Each 0.5% Of Latex Addition, Add	0.33	
32 01 13 61-0012	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	5.12	
		Note: 1/4" thick, 14 to 18 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.34	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.40	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.50	
		For Each 0.5% Of Latex Addition, Add	0.49	
32 01 13 61-0013	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.79	
		Note: 1/4" thick, 14 to 18 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.48	
		For Each 0.5% Of Latex Addition, Add	0.49	
32 01 13 61-0014	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.55	
		Note: 1/4" thick, 14 to 18 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37	
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47	
		For Each 0.5% Of Latex Addition, Add	0.49	



Exterior Improvements		32
Operation and Maintenance of Exterior Improvements		32 01
Flexible Paving Surface Treatment		32 01 13

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0015	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	.....	4.32	
		Note: 1/4" thick, 14 to 18 Lb./SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add		0.30	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add		0.36	
		For Rubberized Polymer Modified Emulsion (RPME), Add		0.46	
		For Each 0.5% Of Latex Addition, Add		0.49	
32 01 13 61-0016	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	.....	4.09	
		Note: 1/4" thick, 14 to 18 Lb./SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add		0.28	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add		0.34	
		For Rubberized Polymer Modified Emulsion (RPME), Add		0.44	
		For Each 0.5% Of Latex Addition, Add		0.49	
32 01 13 61-0017	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	.....	3.90	
		Note: 1/4" thick, 14 to 18 Lb./SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add		0.28	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add		0.34	
		For Rubberized Polymer Modified Emulsion (RPME), Add		0.44	
		For Each 0.5% Of Latex Addition, Add		0.49	
32 01 13 61-0018	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat	.....	6.48	
		Note: 3/8" thick, 25 to 30 Lb./SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add		0.35	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add		0.41	
		For Rubberized Polymer Modified Emulsion (RPME), Add		0.51	
		For Each 0.5% Of Latex Addition, Add		0.80	
32 01 13 61-0019	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat	.....	6.13	
		Note: 3/8" thick, 25 to 30 Lb./SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add		0.33	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add		0.39	
		For Rubberized Polymer Modified Emulsion (RPME), Add		0.49	
		For Each 0.5% Of Latex Addition, Add		0.80	
32 01 13 61-0020	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat	.....	5.87	
		Note: 3/8" thick, 25 to 30 Lb./SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add		0.32	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add		0.38	
		For Rubberized Polymer Modified Emulsion (RPME), Add		0.48	
		For Each 0.5% Of Latex Addition, Add		0.80	
32 01 13 61-0021	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat	.....	5.61	
		Note: 3/8" thick, 25 to 30 Lb./SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add		0.30	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add		0.36	
		For Rubberized Polymer Modified Emulsion (RPME), Add		0.46	
		For Each 0.5% Of Latex Addition, Add		0.80	
32 01 13 61-0022	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat	.....	5.38	
		Note: 3/8" thick, 25 to 30 Lb./SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add		0.29	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add		0.35	
		For Rubberized Polymer Modified Emulsion (RPME), Add		0.45	
		For Each 0.5% Of Latex Addition, Add		0.80	
32 01 13 61-0023	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat	.....	5.17	
		Note: 3/8" thick, 25 to 30 Lb./SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add		0.28	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add		0.34	
		For Rubberized Polymer Modified Emulsion (RPME), Add		0.44	
		For Each 0.5% Of Latex Addition, Add		0.80	

32 01 13 62 Asphalt Surface Treatment (32 01 13)

32 01 13 62-0001		Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing)	(32 01 13 62)
		Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.	
32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	 11.65
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	 11.10
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	 10.63
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	 10.23
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	 9.86
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	 9.54
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	 9.31
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	 9.20

32 01 16 Flexible Paving Rehabilitation (32 01)**32 01 16 71 Cold Milling Asphalt Pavement** (32 01 16)

32 01 16 71-0001		Removal Of Asphalt Surface Course	(32 01 16 71)
		Note: Includes direct loading into truck.	
32 01 16 71-0002		Production Cold Milling Of Roads And Parking Areas	(32 01 16 71-0001)
		Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0043 for hauling.	

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0003 SY Up To 3" Depth, Production Cold Milling Of Asphalt.....	4.59	
For Up To 2,500, Add	3.44	
For >2,500 To 5,000, Add	1.15	
For >10,000 To 25,000, Deduct	-0.80	
For >25,000, Deduct	-1.15	
32 01 16 71-0004 SY >3" To 6" Depth, Production Cold Milling Of Asphalt.....	5.78	
For Up To 2,500, Add	4.34	
For >2,500 To 5,000, Add	1.45	
For >10,000 To 25,000, Deduct	-1.01	
For >25,000, Deduct	-1.45	
32 01 16 71-0005 SY >6" To 12" Depth, Production Cold Milling Of Asphalt.....	7.70	
For Up To 2,500, Add	5.78	
For >2,500 To 5,000, Add	1.93	
For >10,000 To 25,000, Deduct	-1.35	
For >25,000, Deduct	-1.93	
32 01 16 71-0006 Limited Production Cold Milling (32 01 16 71-0001)		
Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0043 for hauling.		
32 01 16 71-0007 SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	30.49	
For >100 To 1,000, Deduct	-15.25	
For >1,000, Deduct	-22.87	
32 01 16 71-0008 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	40.38	
For >100 To 1,000, Deduct	-20.19	
For >1,000, Deduct	-30.29	
32 01 16 71-0009 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	53.78	
For >100 To 1,000, Deduct	-26.89	
For >1,000, Deduct	-40.34	
32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)		
Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0011 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	8.01	
32 01 16 73 In Place Cold Reused Asphalt Paving (32 01 16)		
32 01 16 73-0001 Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) (32 01 16 73)		
Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0002 SF Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	5.49	
For >12" To 18" Depth, Add	1.88	
32 01 16 73-0003 SF >30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	5.12	
For >12" To 18" Depth, Add	1.77	
32 01 16 73-0004 SF >42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	4.32	
For >12" To 18" Depth, Add	1.53	
32 01 16 73-0005 SF >71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	3.71	
For >12" To 18" Depth, Add	1.35	
32 01 16 73-0006 SF >130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	3.32	
For >12" To 18" Depth, Add	1.23	
32 01 16 73-0007 SF >250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	3.08	
For >12" To 18" Depth, Add	1.16	
32 01 16 73-0008 SF >500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	2.90	
For >12" To 18" Depth, Add	1.10	
32 01 16 73-0009 Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) (32 01 16 73)		
Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0010 SF Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	5.53	
For >12" To 18" Depth, Add	1.90	
32 01 16 73-0011 SF >42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	4.36	
For >12" To 18" Depth, Add	1.55	
32 01 16 73-0012 SF >71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	3.75	
For >12" To 18" Depth, Add	1.37	
32 01 16 73-0013 SF >130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	3.36	
For >12" To 18" Depth, Add	1.25	
32 01 16 73-0014 SF >250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	3.12	
For >12" To 18" Depth, Add	1.18	
32 01 16 73-0015 SF >500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.94	
For >12" To 18" Depth, Add	1.12	
32 01 16 73-0016 Supplemental Aggregate (32 01 16 73)		
32 01 16 73-0017 TON Supplemental Aggregate.....	90.95	
32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)		
32 01 16 74-0001 Reclamation, Pulverize And Blending With Existing (32 01 16 74)		
Note: Includes direct loading into truck.		



Exterior Improvements		32
Operation and Maintenance of Exterior Improvements		32 01
Flexible Paving Rehabilitation		32 01 16

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0002	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	16.43	
32 01 16 74-0003	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.21	
32 01 16 74-0004	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.11	
32 01 16 74-0005	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.89	
32 01 16 74-0006	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.48	
32 01 16 74-0007	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	17.93	
32 01 16 74-0008	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.96	
32 01 16 74-0009	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.23	
32 01 16 74-0010	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	19.71	
32 01 16 74-0011	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.86	
32 01 16 74-0012	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.93	
32 01 16 74-0013	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.55	
32 01 16 74-0014	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	21.50	
32 01 16 74-0015	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.75	
32 01 16 74-0016	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.37	
32 01 16 74-0017	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.01	
32 01 16 74-0018	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,848.06	
32 01 16 74-0019		Rejuvenate And Respread Asphalt Pavement (32 01 16 74) Note: Includes direct loading into truck.		
32 01 16 74-0020	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep.....	11.44	
32 01 16 74-0021	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	13.69	
32 01 16 74-0022	TON	Removal, Rejuvenation, And Respreading Of Asphalt Grindings.....	207.61	
32 01 17		Flexible Paving Repair (32 01)		
See CSI section 32 12 16 00-0000 for large area resurfacing.				
32 01 17 61		Sealing Cracks in Asphalt Paving (32 01 17) Note: Includes removing loose materials and cleaning.		
32 01 17 61-0001		Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair (32 01 17 61) Note: Includes removing loose materials and cleaning.		
32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler..... Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.94	
		For 3/4" x 1/2" Fill, Add.....	0.56	
		For 1" x 1/2" Fill, Add.....	1.06	
		For Backer Rod, Add.....	1.15	
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler..... Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.58	
		For 3/4" x 1/2" Fill, Add.....	0.46	
		For 1" x 1/2" Fill, Add.....	0.88	
		For Backer Rod, Add.....	1.03	
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler..... Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.27	
		For 3/4" x 1/2" Fill, Add.....	0.38	
		For 1" x 1/2" Fill, Add.....	0.72	
		For Backer Rod, Add.....	0.92	
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler..... Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.09	
		For 3/4" x 1/2" Fill, Add.....	0.33	
		For 1" x 1/2" Fill, Add.....	0.63	
		For Backer Rod, Add.....	0.86	
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler..... Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.97	
		For 3/4" x 1/2" Fill, Add.....	0.29	
		For 1" x 1/2" Fill, Add.....	0.56	
		For Backer Rod, Add.....	0.80	
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler..... Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.89	
		For 3/4" x 1/2" Fill, Add.....	0.27	
		For 1" x 1/2" Fill, Add.....	0.51	
		For Backer Rod, Add.....	0.76	
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler..... For 3/8" x 1/4" Fill, Add..... For 1/2" x 1/4" Fill, Add..... For 1/2" x 1/2" Fill, Add.....	3.36 0.79 1.46 3.50	

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 17 Flexible Paving Repair**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.71	
		For 3/8" x 1/4" Fill, Add	0.66	
		For 1/2" x 1/4" Fill, Add	1.21	
		For 1/2" x 1/2" Fill, Add	2.93	
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.10	
		For 3/8" x 1/4" Fill, Add	0.52	
		For 1/2" x 1/4" Fill, Add	0.96	
		For 1/2" x 1/2" Fill, Add	2.35	
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.84	
		For 3/8" x 1/4" Fill, Add	0.46	
		For 1/2" x 1/4" Fill, Add	0.85	
		For 1/2" x 1/2" Fill, Add	2.09	
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.67	
		For 3/8" x 1/4" Fill, Add	0.41	
		For 1/2" x 1/4" Fill, Add	0.76	
		For 1/2" x 1/2" Fill, Add	1.86	
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.55	
		For 3/8" x 1/4" Fill, Add	0.38	
		For 1/2" x 1/4" Fill, Add	0.70	
		For 1/2" x 1/2" Fill, Add	1.71	
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.59	
32 01 17 61-0015	LNMI	Crack Seal/Filler Per Lane (10' to 12' Wide) Per Mile	4,166.74	
		Note: This work shall consist of removal of loose matter from cracks with brooms and compressed air and sealing the crack with rubber or other elastomeric modified asphalt, ASTM D 1190, D 3405 or AASHTO M-173. The sealant shall be applied from the bottom of the crack up and the sealant material shall be sprinkled with dry sand to prevent pick-up by traffic.		
32 01 17 61-0016		Mastic Crack Seal (32 01 17 61) Note: Includes removing loose materials and cleaning.		
32 01 17 61-0017	SY	Asphalt Emulsion Mastic Crack Seal Coat, Per Coat.....	0.60	
32 01 17 61-0018		Rubberized Asphalt (Latex) Seal (32 01 17 61) Note: Includes removing loose materials and cleaning.		
32 01 17 61-0019	SY	Rubberized Asphalt (Latex) Seal Coat, Per Coat.....	1.59	
32 01 17 63		Flexible Pavement Repair (32 01 17)		
32 01 17 63-0001		Temporary Pot Hole Repair (32 01 17 63) Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.		
32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,797.96	
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified.....	543.26	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,719.72	
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix	517.18	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,680.60	
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified.....	504.15	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,641.49	
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix	491.11	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0010		Permanent Pot Hole Repair (32 01 17 63) Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles. Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.		
32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,945.84	
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix	632.31	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,906.72	
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified	619.28	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,867.61	
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix	606.24	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0017		Asphalt Placement For Small Repairs (32 01 17 63) Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0057 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.		
32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....	2,534.20	
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		



Exterior Improvements		32
Operation and Maintenance of Exterior Improvements		32 01
Flexible Paving Repair		32 01 17

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0019 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	346.69	
32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,455.96	
32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	320.61	
32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,416.84	
32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	307.58	
32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,377.73	
32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	294.54	
32 01 17 63-0026 Grind Asphalt (32 01 17 63)		
32 01 17 63-0027 SY Grinding Asphalt To Level Bump Or Raised Area.....	23.30	

32 01 26 Rigid Paving Rehabilitation (32 01)**32 01 26 71 Grooving of Concrete Paving** (32 01 26)

32 01 26 71-0001 Roadway Grooving (32 01 26 71)	
32 01 26 71-0002 EA First 500 SY Of Pavement Grooving, Concrete, Longitudinal.....	4,213.58
32 01 26 71-0003 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	3.90
32 01 26 71-0004 EA First 500 SY Of Pavement Grooving, Concrete, Traverse	4,694.07
32 01 26 71-0005 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	5.08

32 01 26 71-0006 Rumble Strips (32 01 26 71)	
32 01 26 71-0007 EA First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	4,743.55
32 01 26 71-0008 LF Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	0.86
32 01 26 71-0009 EA First 2,000 LF Of MIARDS, Rumble Strips, Concrete	5,286.25
32 01 26 71-0010 LF Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete	0.97

32 01 26 73 Milling Of Concrete Paving (32 01 26)

32 01 26 73-0001 Removal Of Concrete (32 01 26 73) Note: Includes direct loading into truck.	
32 01 26 73-0002 Production Milling Of Roads And Parking Areas (32 01 26 73-0001) Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0043 for hauling.	
32 01 26 73-0003 SY Production Milling Of Concrete Per Inch.....	7.30
32 01 26 73-0004 Limited Production Milling (32 01 26 73-0001) Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0043 for hauling.	
32 01 26 73-0005 SY Limited Production Milling Of Concrete Per Inch	45.83

32 01 29 Rigid Paving Repair (32 01)**32 01 29 61 Partial Depth Patching of Rigid Paving** (32 01 29)

32 01 29 61-0001 Hot Applied Flexible Concrete Repair (32 01 29 61) Note: Excludes saw cutting (where required), flagmen.	
32 01 29 61-0002 EA Minimum Charge For Hot Applied Flexible Concrete Repair	1,285.90
32 01 29 61-0003 SF Up To 2" Depth, Hot Applied Flexible Concrete Repair	71.49
For >25 SF Quantity, Deduct	-7.15
32 01 29 61-0004 SF >2" To 4" Depth, Hot Applied Flexible Concrete Repair.....	134.29
For >25 SF Quantity, Deduct	-13.43
32 01 29 61-0005 SF >4" To 6" Depth, Hot Applied Flexible Concrete Repair.....	196.52
For >25 SF Quantity, Deduct	-19.65
32 01 29 61-0006 SF >6" To 8" Depth, Hot Applied Flexible Concrete Repair.....	258.75
For >25 SF Quantity, Deduct	-25.88

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 29 Rigid Paving Repair**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 29 61-0007	SF >8" To 10" Depth, Hot Applied Flexible Concrete Repair	320.97
	<i>For >25 SF Quantity, Deduct</i>	-32.10
32 01 29 61-0008	CF >10" Depth, Hot Applied Flexible Concrete Repair	382.62

32 01 29 61-0009 Cold Applied Flexible Concrete Repair (32 01 29 61)

32 01 29 61-0010	SF 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	7.02
32 01 29 61-0011	SF 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	10.10
32 01 29 61-0012	SF 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	13.30
32 01 29 61-0013	SF 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	16.62
32 01 29 61-0014	SF 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	23.71
32 01 29 61-0015	SF 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	7.11
32 01 29 61-0016	SF 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	10.19
32 01 29 61-0017	SF 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	13.39
32 01 29 61-0018	SF 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	16.71
32 01 29 61-0019	SF 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	23.80
32 01 29 61-0020	SF 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	7.06
32 01 29 61-0021	SF 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	10.14
32 01 29 61-0022	SF 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	13.34
32 01 29 61-0023	SF 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	16.66
32 01 29 61-0024	SF 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	23.75

32 01 90 Operation and Maintenance of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular)	16.21
32 01 90 13-0002	MSF Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	11.69
32 01 90 13-0003	MSF Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular)	12.82
32 01 90 13-0004	MSF Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	10.47

32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR Vegetation Cutting By Bush Hog	221.49
	<i>Note: Includes normal debris removal, cutting, and trimming.</i>	
	<i>For <1 Acre, Add</i>	55.37
32 01 90 19-0002	MSF Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF	7.59
32 01 90 19-0003	MSF Mowing Vegetation With Riding Mower, >45,000 SF	5.88
32 01 90 19-0004	MSF Clear Vegetation With Weed Trimmer, Up To 1,000 SF	26.50
	<i>For Work On Slopes >2:1, Add</i>	6.63
	<i>For Clearing Light Brush, Add</i>	3.98
32 01 90 19-0005	MSF Clear Vegetation With Weed Trimmer, >1,000 SF	22.26
	<i>For Work On Slopes >2:1, Add</i>	5.57
	<i>For Clearing Light Brush, Add</i>	3.34
32 01 90 19-0006	MSF Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	22.39

32 01 90 23 Pruning (32 01 90)**32 01 90 23-0001 Tree Pruning (32 01 90 23)**

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning (32 01 90 23-0001)

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA 1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	33.38
32 01 90 23-0004	EA 2" Caliper, Tree Pruning (Crown Cleaning), By Hand	38.15
32 01 90 23-0005	EA 2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	42.91
32 01 90 23-0006	EA 3" Caliper, Tree Pruning (Crown Cleaning), By Hand	47.69
32 01 90 23-0007	EA 4" Caliper, Tree Pruning (Crown Cleaning), By Hand	72.47
32 01 90 23-0008	EA 4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	118.91
32 01 90 23-0009	EA 6" Caliper, Tree Pruning (Crown Cleaning), By Hand	126.83
32 01 90 23-0010	EA 6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	226.47
32 01 90 23-0011	EA 9" Caliper, Tree Pruning (Crown Cleaning), By Hand	203.10
32 01 90 23-0012	EA 9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	362.27
32 01 90 23-0013	EA 12" Caliper, Tree Pruning (Crown Cleaning), By Hand	234.68
32 01 90 23-0014	EA 12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	418.95
32 01 90 23-0015	EA 18" Caliper, Tree Pruning (Crown Cleaning), By Hand	272.81
32 01 90 23-0016	EA 18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	486.89
32 01 90 23-0017	EA 24" Caliper, Tree Pruning (Crown Cleaning), By Hand	332.08
32 01 90 23-0018	EA 24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	588.88
32 01 90 23-0019	EA 30" Caliper, Tree Pruning (Crown Cleaning), By Hand	412.52
32 01 90 23-0020	EA 30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	742.17
32 01 90 23-0021	EA 36" Caliper, Tree Pruning (Crown Cleaning), By Hand	565.01
32 01 90 23-0022	EA 36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,005.89
32 01 90 23-0023	EA 48" Caliper, Tree Pruning (Crown Cleaning), By Hand	896.38
32 01 90 23-0024	EA 48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,617.64



Exterior Improvements		32
Operation and Maintenance of Exterior Improvements		32 01
Operation and Maintenance of Planting		32 01 90

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 90 23-0025

Tree Pruning; Crown Thinning (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	40.91
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	46.73
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	52.55
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	58.46
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	88.80
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	145.62
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	155.36
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	277.43
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	248.83
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	443.77
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	287.46
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	513.18
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	334.20
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	596.41
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	406.78
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	721.42
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	505.29
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	909.16
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	692.14
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,232.23
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,098.04
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,981.61

32 01 90 23-0048

Tree Pruning; Crown Raising (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	45.11
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	51.50
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	57.99
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	64.38
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	97.86
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	160.57
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	171.20
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	305.73
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	274.20
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	489.06
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	316.83
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	565.60
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	368.34
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	657.33
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	448.36
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	795.02
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	556.90
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,001.90
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	762.81
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,357.92
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,210.11
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,183.84

32 01 90 23-0071

Tree Pruning; Crown Reduction (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	48.45
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	55.32
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	62.28
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	69.14
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	105.10
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	172.46
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	183.88
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	328.38
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	294.51
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	525.30
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	340.30
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	607.50
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	395.61

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0085 EA 18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	706.02	
32 01 90 23-0086 EA 24" Caliper, Tree Pruning (Crown Reduction), By Hand.....	481.54	
32 01 90 23-0087 EA 24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	853.90	
32 01 90 23-0088 EA 30" Caliper, Tree Pruning (Crown Reduction), By Hand.....	598.19	
32 01 90 23-0089 EA 30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,076.18	
32 01 90 23-0090 EA 36" Caliper, Tree Pruning (Crown Reduction), By Hand.....	819.27	
32 01 90 23-0091 EA 36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,458.57	
32 01 90 23-0092 EA 48" Caliper, Tree Pruning (Crown Reduction), By Hand.....	1,299.77	
32 01 90 23-0093 EA 48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	2,345.54	

32 01 90 23-0094**Tree Pruning; Crown Restoration** (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095 EA 1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	55.60	
32 01 90 23-0096 EA 2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	63.61	
32 01 90 23-0097 EA 2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	71.53	
32 01 90 23-0098 EA 3" Caliper, Tree Pruning (Crown Restoration), By Hand.....	79.45	
32 01 90 23-0099 EA 4" Caliper, Tree Pruning (Crown Restoration), By Hand.....	120.74	
32 01 90 23-0100 EA 4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	198.16	
32 01 90 23-0101 EA 6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	211.35	
32 01 90 23-0102 EA 6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	377.41	
32 01 90 23-0103 EA 9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	338.48	
32 01 90 23-0104 EA 9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	603.77	
32 01 90 23-0105 EA 12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	391.13	
32 01 90 23-0106 EA 12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	698.21	
32 01 90 23-0107 EA 18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	454.65	
32 01 90 23-0108 EA 18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	811.44	
32 01 90 23-0109 EA 24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	553.46	
32 01 90 23-0110 EA 24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	981.52	
32 01 90 23-0111 EA 30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	687.55	
32 01 90 23-0112 EA 30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,236.98	
32 01 90 23-0113 EA 36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	941.72	
32 01 90 23-0114 EA 36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,676.55	
32 01 90 23-0115 EA 48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,493.94	
32 01 90 23-0116 EA 48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	2,696.12	

32 01 90 23-0117**Palm Tree Pruning** (32 01 90 23)

32 01 90 23-0118 EA Trim Mexican Palm Tree.....	101.12	
32 01 90 23-0119 EA Trim Date Palm Tree.....	228.17	
32 01 90 23-0120 LF Skin Palm Tree.....	25.93	
32 01 90 23-0121 EA Trim And Skin Palm Tree, Up To 30' Height.....	96.25	
32 01 90 23-0122 EA Trim And Skin Palm Tree, >30' To 60' Height.....	118.90	
32 01 90 23-0123 EA Trim And Skin Palm Tree, >60' To 80' Height.....	133.06	

32 01 90 23-0124**Shrub Pruning** (32 01 90 23)

32 01 90 23-0125 MSF Shrub Pruning, Prune, Shrub Bed.....	108.67	
32 01 90 23-0126 EA Shrub Pruning, Prune, Shrub Under 3' Height.....	3.82	
32 01 90 23-0127 EA Shrub Pruning, Prune, Shrub 4' Height.....	8.58	
32 01 90 23-0128 EA Shrub Pruning, Prune, Shrub Over 6'.....	15.26	
32 01 90 23-0129 EA Shrub Pruning, Prune Trees From Ground.....	38.15	
32 01 90 23-0130 EA Shrub Pruning, Prune Trees From Ground, High Work.....	95.37	

32 01 90 23-0131**Root Pruning** (32 01 90 23)

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0132 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	19.08	
32 01 90 23-0133 EA Root Pruning, One Side Of 2" Caliper Tree.....	23.85	
32 01 90 23-0134 EA Root Pruning, One Side Of 2-1/2" Caliper Tree.....	28.61	
32 01 90 23-0135 EA Root Pruning, One Side Of 3" Caliper Tree.....	38.15	
32 01 90 23-0136 EA Root Pruning, One Side Of 4" Caliper Tree.....	57.22	
32 01 90 23-0137 EA Root Pruning, One Side Of >4" To 6" Caliper Tree.....	71.53	
32 01 90 23-0138 EA Root Pruning, One Side Of >6" To 9" Caliper Tree.....	100.14	
32 01 90 23-0139 EA Root Pruning, One Side Of >9" To 12" Caliper Tree.....	114.45	
32 01 90 23-0140 EA Root Pruning, One Side Of >12" To 18" Caliper Tree.....	133.53	
32 01 90 23-0141 EA Root Pruning, One Side Of >18" To 24" Caliper Tree.....	166.91	
32 01 90 23-0142 EA Root Pruning, One Side Of >24" To 30" Caliper Tree.....	205.05	
32 01 90 23-0143 EA Root Pruning, One Side Of >30" To 36" Caliper Tree.....	238.43	
32 01 90 23-0144 EA Root Pruning, One Side Of >36" To 42" Caliper Tree.....	262.28	
32 01 90 23-0145 EA Root Pruning, One Side Of >42" To 48" Caliper Tree.....	286.12	

32 01 90 26**Watering** (32 01 90)



Exterior Improvements		32
Operation and Maintenance of Exterior Improvements		32 01
Operation and Maintenance of Planting		32 01 90

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001	Watering Lawns, Plants And Trees (32 01 90 26)	
Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond initial watering at installation for extended watering period of lawns, plants and trees.		
32 01 90 26-0002	MSF Watering Sod/Grass, Per Inch Of Water	49.67
32 01 90 26-0003	CSF Watering Groundcover	7.65
32 01 90 26-0004	CSF Watering Annuals And Perennials	13.54
32 01 90 26-0005	EA Watering Trees, 1-1/2" To 5" Diameter By Hand	26.14
32 01 90 26-0006	EA Watering Trees, 6" To 12" Diameter By Hand	34.36
32 01 90 26-0007	EA Watering Trees, 13" To 18" Diameter By Hand	42.58
32 01 90 26-0008	EA Watering Trees, >18" Diameter By Hand	52.41
32 01 90 26-0009	EA Watering Shrub Or Bush By Hand	13.14

32 01 90 36 Weed and Brush Control (32 01 90)

32 01 90 36-0001	Herbicide, Push Or Hand Spreader Applied (32 01 90 36)	
32 01 90 36-0002	MSF Non-Selective Post Emergent Weed Herbicide (70.4 Oz./Acre or 1.62 Oz./MSF)	8.80
	For >45 To 90, Deduct	-0.48
	For >90 To 225, Deduct	-1.36
	For >225 To 870, Deduct	-2.24
	For >870, Deduct	-2.72
32 01 90 36-0003	MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 Oz./Acre or 2.94 Oz./MSF)	9.48
	For >45 To 90, Deduct	-0.55
	For >90 To 225, Deduct	-1.50
	For >225 To 870, Deduct	-2.45
	For >870, Deduct	-3.00
32 01 90 36-0004	MSF Selective Weed Herbicide (56 Oz./Acre or 1.28 Oz./MSF)	9.44
	Note: Includes pre and post emergent.	
	For >45 To 90, Deduct	-0.55
	For >90 To 225, Deduct	-1.49
	For >225 To 870, Deduct	-2.43
	For >870, Deduct	-2.98
32 01 90 36-0005	MSF Selective Woody Brush And Tree Herbicide (72 Oz./Acre or 1.65 Oz./MSF)	9.86
	Note: Includes pre and post emergent.	
	For >45 To 90, Deduct	-0.59
	For >90 To 225, Deduct	-1.57
	For >225 To 870, Deduct	-2.56
	For >870, Deduct	-3.15

32 01 90 39 Pesticides (32 01 90)

32 01 90 39-0001	MSF Pesticide - Surface Eating	12.21
32 01 90 39-0002	MSF Pesticide - Subsurface Eating	12.26
32 01 90 39-0003	MSF Pesticide - Fungicide Application	13.32

32 01 90 43 Weed and Cultivate Beds (32 01 90)

32 01 90 43-0001	MSF Weed Mulched Bed	46.62
32 01 90 43-0002	MSF Weed Unmulched Bed	133.20
32 01 90 43-0003	MSF Cultivate Bed	71.72

32 01 90 46 Hedge Trimming (32 01 90)

32 01 90 46-0001	LF Trim 0-5' High Hedge, 0-3' Wide	6.16
32 01 90 46-0002	LF Trim 0-5' High Hedge, 4-6' Wide	9.23
32 01 90 46-0003	LF Trim 5-10' High Hedge, 0-3' Wide	13.98
32 01 90 46-0004	LF Trim 5-10' High Hedge, 4-6' Wide	14.24

32 01 90 53 Plant Growth Regulator Application (32 01 90)

32 01 90 53-0001	EA Plant Growth Regulator Application	7.02

32 05 Common Work Results for Exterior Improvements (32)**32 05 33 Common Work Results for Planting** (32 05)

32 05 33 00-0001	Decorative Landscape Boulders (32 05 33)	
Note: Includes delivery of materials and placement.		
32 05 33 00-0002	EA 1 -6" x 2' x 1' Oval Shape Boulders (Approx. 250 Lb. Each)	87.32
32 05 33 00-0003	EA 1 -6" x 2' x 1'-6" Oval Shape Boulders (Approx. 375 Lb. Each)	130.98
32 05 33 00-0004	EA 2' x 2' x 1'-6" Oval Shape Boulders (Approx. 500 Lb. Each)	174.66
32 05 33 00-0005	EA 2' x 2' x 2' Oval Shape Boulders (Approx. 667 Lb. Each)	233.01
32 05 33 00-0006	EA 2' x 3' x 1'-6" Oval Shape Boulders (Approx. 750 Lb. Each)	262.26
32 05 33 00-0007	EA 2' x 3' x 2' Oval Shape Boulders (Approx. 1,000 Lb. Each)	349.68
32 05 33 00-0008	EA 2'-6" x 3' x 2' Oval Shape Boulders (Approx. 1,250 Lb. Each)	437.09
32 05 33 00-0009	EA 3' x 3' x 2' Oval Shape Boulders (Approx. 1,500 Lb. Each)	524.53
32 05 33 00-0010	EA 3' x 3'-6" x 2' Oval Shape Boulders (Approx. 1,750 Lb. Each)	611.94

32 Exterior Improvements**32 05 Common Work Results for Exterior Improvements****32 05 33 Common Work Results for Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 05 33 00-0011 EA 3' x 4' x 2' Oval Shape Boulders (Approx. 2,000 Lb. Each).....	699.36	
32 05 33 00-0012 EA 3' x 3' x 3' Oval Shape Boulders (Approx. 2,250 Lb. Each).....	786.77	
32 05 33 00-0013 EA 3' x 4' x 2'-6" Oval Shape Boulders (Approx. 2,500 Lb. Each)	874.19	
32 05 33 00-0014 EA 3' x 4' x 3' Oval Shape Boulders (Approx. 3,000 Lb. Each).....	1,049.03	
32 05 33 00-0015 TON Landscape Boulders	699.36	

32 10 Bases, Ballasts, and Paving ⁽³²⁾**32 11 Base Courses** ^(32 10)**32 11 16 Subbase Courses** ^(32 11)**32 11 16 16 Aggregate Subbase Courses** ^(32 11 16)

32 11 16 16-0001	Base And Subbase Courses For Roadways And Parking Areas ^(32 11 16 16)	
Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.		
32 11 16 16-0002	Base And Subbase Courses By The CY ^(32 11 16 16-0001)	
32 11 16 16-0003	CY Class II Graded Crushed Aggregate Roadway Base Course	110.61
32 11 16 16-0004	CY Class III Graded Crushed Aggregate Roadway Base Course	106.09
32 11 16 16-0005	CY Recycled Base Course	113.71

32 11 16 16-0006 Class II Base Courses By The SY ^(32 11 16 16-0001)

32 11 16 16-0007	SY 2" Class II Graded Crushed Aggregate Base Course	6.07
	For Up To 500, Add	1.55
	For >500 To 1,000, Add	0.61
	For >5,000 To 10,000, Deduct	-0.23
	For >10,000, Deduct	-0.39
32 11 16 16-0008	SY 4" Class II Crushed Aggregate Base Course	12.14
	For Up To 500, Add	3.09
	For >500 To 1,000, Add	1.21
	For >5,000 To 10,000, Deduct	-0.46
	For >10,000, Deduct	-0.79
32 11 16 16-0009	SY 6" Class II Crushed Aggregate Base Course	18.21
	For Up To 500, Add	4.64
	For >500 To 1,000, Add	1.82
	For >5,000 To 10,000, Deduct	-0.69
	For >10,000, Deduct	-1.18
32 11 16 16-0010	SY 9" Class II Crushed Aggregate Base Course	27.33
	For Up To 500, Add	6.96
	For >500 To 1,000, Add	2.73
	For >5,000 To 10,000, Deduct	-1.04
	For >10,000, Deduct	-1.78
32 11 16 16-0011	SY 12" Class II Crushed Aggregate Base Course	36.43
	For Up To 500, Add	9.28
	For >500 To 1,000, Add	3.64
	For >5,000 To 10,000, Deduct	-1.38
	For >10,000, Deduct	-2.37

32 11 23 Aggregate Base Courses ^(32 11)**32 11 23 16 Aggregate Base Courses** ^(32 11 23)

32 11 23 16-0001	Base Courses For Sidewalk (Asphalt Or Concrete) ^(32 11 23 16)	
Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.		
32 11 23 16-0002	SF 2" Crushed Aggregate Base Course For Sidewalks	0.76
	For Up To 1,000, Add	0.21
	For >1,000 To 2,500, Add	0.08
32 11 23 16-0003	SF 3" Crushed Aggregate Base Course For Sidewalks	1.06
	For Up To 1,000, Add	0.29
	For >1,000 To 2,500, Add	0.11
32 11 23 16-0004	SF 4" Crushed Aggregate Base Course For Sidewalks	1.37
	For Up To 1,000, Add	0.38
	For >1,000 To 2,500, Add	0.14
32 11 23 16-0005	SF 5" Crushed Aggregate Base Course For Sidewalks	1.78
	For Up To 1,000, Add	0.49
	For >1,000 To 2,500, Add	0.18
32 11 23 16-0006	SF 6" Crushed Aggregate Base Course For Sidewalks	2.19
	For Up To 1,000, Add	0.60
	For >1,000 To 2,500, Add	0.22
32 11 23 16-0007	SF 7" Crushed Aggregate Base Course For Sidewalks	2.52
	For Up To 1,000, Add	0.69
	For >1,000 To 2,500, Add	0.25
32 11 23 16-0008	SF 8" Crushed Aggregate Base Course For Sidewalks	2.85
	For Up To 1,000, Add	0.79
	For >1,000 To 2,500, Add	0.29

32 11 26 Asphaltic Base Courses ^(32 11)



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Base Courses		32 11

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)**32 11 26 19-0001 Bituminous-Stabilized Base Courses** (32 11 26 19)

32 11 26 19-0002	CY	Bituminous Stabilized Base Course.....	112.04	
Note: 3/4" ASTM C33.				

32 12 Flexible Paving (32 10)**32 12 13 Preparatory Coats** (32 12)**32 12 13 13 Tack Coats** (32 12 13)

32 12 13 13-0001	EA	Minimum Charge For Tack Coat For Small Areas	1,972.54	
Note: For projects where the total tack coat charge is less than the minimum charge. Use this task exclusively. This task should not be used in conjunction with any other tasks in this section.				
32 12 13 13-0002	SY	Tack Coat, 0.04 Gallon/SY	0.65	
		For Up To 150, Add	0.12	
		For >150 To 300, Add	0.07	
		For >300 To 500, Add	0.03	
		For >3,500 To 5,000, Deduct	-0.02	
		For >5,000, Deduct	-0.04	
32 12 13 13-0003	SY	Tack Coat, 0.05 Gallon/SY	0.72	
		For Up To 150, Add	0.14	
		For >150 To 300, Add	0.07	
		For >300 To 500, Add	0.04	
		For >3,500 To 5,000, Deduct	-0.02	
		For >5,000, Deduct	-0.04	
32 12 13 13-0004	SY	Tack Coat, 0.07 Gallon/SY	0.85	
		For Up To 150, Add	0.17	
		For >150 To 300, Add	0.09	
		For >300 To 500, Add	0.04	
		For >3,500 To 5,000, Deduct	-0.02	
		For >5,000, Deduct	-0.05	
32 12 13 13-0005	SY	Tack Coat, 0.08 Gallon/SY	0.92	
		For Up To 150, Add	0.19	
		For >150 To 300, Add	0.09	
		For >300 To 500, Add	0.05	
		For >3,500 To 5,000, Deduct	-0.02	
		For >5,000, Deduct	-0.06	
32 12 13 13-0006	SY	Tack Coat, 0.10 Gallon/SY	1.06	
		For Up To 150, Add	0.23	
		For >150 To 300, Add	0.11	
		For >300 To 500, Add	0.05	
		For >3,500 To 5,000, Deduct	-0.03	
		For >5,000, Deduct	-0.07	
32 12 13 13-0007	SY	Tack Coat, 0.11 Gallon/SY	1.12	
		For Up To 150, Add	0.24	
		For >150 To 300, Add	0.11	
		For >300 To 500, Add	0.06	
		For >3,500 To 5,000, Deduct	-0.03	
		For >5,000, Deduct	-0.07	

32 12 13 19 Prime Coats (32 12 13)

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.88	
		For Up To 150, Add	0.42	
		For >150 To 300, Add	0.19	
		For >300 To 500, Add	0.09	
		For >3,500 To 5,000, Deduct	-0.05	
		For >5,000, Deduct	-0.13	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.99	
		For Up To 150, Add	0.45	
		For >150 To 300, Add	0.20	
		For >300 To 500, Add	0.10	
		For >3,500 To 5,000, Deduct	-0.05	
		For >5,000, Deduct	-0.14	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	2.09	
		For Up To 150, Add	0.48	
		For >150 To 300, Add	0.21	
		For >300 To 500, Add	0.10	
		For >3,500 To 5,000, Deduct	-0.05	
		For >5,000, Deduct	-0.15	

32 12 16 Asphalt Paving (32 12)**32 12 16 13 Plant-Mix Asphalt Paving** (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0043 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) (32 12 16 13)

Note: S (3/4") aggregate gradation

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0002	TON		Bituminous Hot Mix Intermediate Binder Course 3,954 Lb./CY Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	154.08	
			For PG64-10 Asphalt, Add	17.97	
			For Up To 25, Add	21.58	
			For >25 To 50, Add	11.99	
			For >500 To 1,000, Deduct	-6.49	
			For >1,000 To 2,500, Deduct	-11.79	
			For >2,500 To 5,000, Deduct	-18.28	
			For >5,000, Deduct	-26.22	
32 12 16 13-0003	SY		1" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	8.75	
			For PG64-10 Asphalt, Add	0.99	
			For Up To 1,000, Add	1.27	
			For >1,000 To 2,000, Add	0.71	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000 To 50,000, Deduct	-0.68	
			For >50,000 To 100,000, Deduct	-1.05	
			For >100,000, Deduct	-1.51	
32 12 16 13-0004	SY		1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	12.98	
			For PG64-10 Asphalt, Add	1.48	
			For Up To 700, Add	1.86	
			For >700 To 1,400, Add	1.04	
			For >7,000 To 14,000, Deduct	-0.56	
			For >14,000 To 32,000, Deduct	-1.01	
			For >32,000 To 64,000, Deduct	-1.57	
			For >64,000, Deduct	-2.25	
32 12 16 13-0005	SY		2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	16.75	
			For PG64-10 Asphalt, Add	1.97	
			For Up To 500, Add	2.32	
			For >500 To 1,000, Add	1.29	
			For >5,000 To 10,000, Deduct	-0.73	
			For >10,000 To 24,000, Deduct	-1.33	
			For >24,000 To 48,000, Deduct	-2.06	
			For >48,000, Deduct	-2.96	
32 12 16 13-0006	SY		2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	21.15	
			For PG64-10 Asphalt, Add	2.47	
			For Up To 400, Add	2.96	
			For >400 To 800, Add	1.65	
			For >4,000 To 8,000, Deduct	-0.92	
			For >8,000 To 20,000, Deduct	-1.67	
			For >20,000 To 40,000, Deduct	-2.59	
			For >40,000, Deduct	-3.71	
32 12 16 13-0007	SY		3" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	25.38	
			For PG64-10 Asphalt, Add	2.96	
			For Up To 340, Add	3.56	
			For >340 To 680, Add	2.96	
			For >3,400 To 6,800, Deduct	-1.10	
			For >6,800 To 17,000, Deduct	-2.00	
			For >17,000 To 34,000, Deduct	-3.10	
			For >34,000, Deduct	-4.45	
32 12 16 13-0008	SY		3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	29.61	
			For PG64-10 Asphalt, Add	3.45	
			For Up To 280, Add	4.15	
			For >280 To 560, Add	2.30	
			For >2,800 To 5,600, Deduct	-1.28	
			For >5,600 To 14,000, Deduct	-2.34	
			For >14,000 To 28,000, Deduct	-3.62	
			For >28,000, Deduct	-5.20	
32 12 16 13-0009	SY		4" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	33.84	
			For PG64-10 Asphalt, Add	3.95	
			For Up To 250, Add	4.74	
			For >250 To 500, Add	2.63	
			For >2,500 To 5,000, Deduct	-1.47	
			For >5,000 To 12,000, Deduct	-2.67	
			For >12,000 To 24,000, Deduct	-4.14	
			For >24,000, Deduct	-5.94	
32 12 16 13-0010	SY		5" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	42.30	
			For PG64-10 Asphalt, Add	4.93	
			For Up To 200, Add	5.92	
			For >200 To 400, Add	3.29	
			For >2,000 To 4,000, Deduct	-1.83	
			For >4,000 To 10,000, Deduct	-3.34	
			For >10,000 To 20,000, Deduct	-5.17	
			For >20,000, Deduct	-7.42	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Flexible Paving		32 12

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0011	SY		6" Thick Bituminous Hot Mix Intermediate Binder Course 50.76 Note: Includes placement, rolling, finishing and sweeping. For PG64-10 Asphalt, Add 5.92 For Up To 160, Add 7.11 For >160 To 320, Add 3.95 For >1,600 To 3,200, Deduct -2.20 For >3,200 To 8,000, Deduct -4.00 For >8,000 To 16,000, Deduct -6.20 For >16,000, Deduct -8.91		
32 12 16 13-0012			Surface Wearing Courses, Hot Mix Asphalt (HMA) (32 12 16 13) Note: SX (1/2") aggregate gradation		
32 12 16 13-0013	TON		Bituminous Hot Mix Surface Wearing Course 3,774 Lb./CY 157.18 Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section. For PG64-10 Asphalt, Add 8.57 For Up To 25, Add 23.43 For >25 To 50, Add 13.22 For >500 To 1,000, Deduct -6.34 For >1,000 To 2,500, Deduct -11.55 For >2,500 To 5,000, Deduct -17.89 For >5,000, Deduct -25.69		
32 12 16 13-0014	TON		Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) 174.60 Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. For Up To 25, Add 26.46 For >25 To 50, Add 14.98 For >500 To 1,000, Deduct -6.96 For >1,000 To 2,500, Deduct -12.68 For >2,500 To 5,000, Deduct -19.65 For >5,000, Deduct -28.22 For Warm Mix Additive, Add 8.10		
32 12 16 13-0015	TON		Asphalt Rubberized Hot Mix (ARHM) Surface Course 186.03 Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. For Up To 25, Add 27.60 For >25 To 50, Add 15.55 For >500 To 1,000, Deduct -7.54 For >1,000 To 2,500, Deduct -13.71 For >2,500 To 5,000, Deduct -21.25 For >5,000, Deduct -30.51 For Warm Mix Additive, Add 8.84		
32 12 16 13-0016	SY		1" Thick Bituminous Hot Mix Surface Wearing Course 8.57 Note: Includes placement, rolling, finishing and sweeping. For PG64-10 Asphalt, Add 0.45 For Up To 1,000, Add 1.32 For >1,000 To 2,000, Add 0.75 For >10,000 To 20,000, Deduct -0.35 For >20,000 To 50,000, Deduct -0.64 For >50,000 To 100,000, Deduct -0.99 For >100,000, Deduct -1.43		
32 12 16 13-0017	SY		1-1/2" Thick Bituminous Hot Mix Surface Wearing Course 12.70 Note: Includes placement, rolling, finishing and sweeping. For PG64-10 Asphalt, Add 0.67 For Up To 700, Add 1.94 For >700 To 1,400, Add 1.10 For >7,000 To 14,000, Deduct -0.52 For >14,000 To 32,000, Deduct -0.96 For >32,000 To 64,000, Deduct -1.48 For >64,000, Deduct -2.13		
32 12 16 13-0018	SY		2" Thick Bituminous Hot Mix Surface Wearing Course 16.27 Note: Includes placement, rolling, finishing and sweeping. For PG64-10 Asphalt, Add 0.90 For Up To 500, Add 2.40 For >500 To 1,000, Add 1.35 For >5,000 To 10,000, Deduct -0.69 For >10,000 To 24,000, Deduct -1.25 For >24,000 To 48,000, Deduct -1.94 For >48,000, Deduct -2.78		
32 12 16 13-0019	SY		2-1/2" Thick Bituminous Hot Mix Surface Wearing Course 20.60 Note: Includes placement, rolling, finishing and sweeping. For PG64-10 Asphalt, Add 1.12 For Up To 400, Add 3.07 For >400 To 800, Add 1.73 For >4,000 To 8,000, Deduct -0.86 For >8,000 To 20,000, Deduct -1.57 For >20,000 To 40,000, Deduct -2.43 For >40,000, Deduct -3.50		
32 12 16 13-0020	SY		3" Thick Bituminous Hot Mix Surface Wearing Course 24.72 Note: Includes placement, rolling, finishing and sweeping. For PG64-10 Asphalt, Add 1.35 For Up To 340, Add 3.69 For >340 To 680, Add 2.98 For >3,400 To 6,800, Deduct -1.03 For >6,800 To 17,000, Deduct -1.89 For >17,000 To 34,000, Deduct -2.92 For >34,000, Deduct -4.20		
32 12 16 13-0021	CSF		Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench 98.90		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 16 13-0022**Hot Mix Asphalt Surfaces And Pavements** (32 12 16 13)

Note: The following City of Chicago, Department of Transportation standard site work tasks are all-inclusive, assembly work tasks and shall be used in lieu of individual component tasks. The JOC General Conditions, Book 2, further define the use of these tasks. Refer to the appropriate specifications contained in Book 4 for a complete definition of what is included in these work tasks.

32 12 16 13-0023	TON	Hot Mix Asphalt Surface Course, Superpave Mix C, N50 (Up To 50)	225.76
32 12 16 13-0024	TON	Hot Mix Asphalt Surface Course, Superpave Mix C, N50 (>50 To 250)	205.29
32 12 16 13-0025	TON	Hot Mix Asphalt Surface Course, Superpave Mix C, N50 (>250 To 800)	162.20
32 12 16 13-0026	TON	Hot Mix Asphalt Surface Course, Superpave Mix C, N50 (>800)	136.56
32 12 16 13-0027	TON	Hot Mix Asphalt Surface Course, Superpave Mix D, N50 (Up To 50)	213.45
32 12 16 13-0028	TON	Hot Mix Asphalt Surface Course, Superpave Mix D, N50 (>50 To 250)	184.33
32 12 16 13-0029	TON	Hot Mix Asphalt Surface Course, Superpave Mix D, N50 (>250 To 800)	153.39
32 12 16 13-0030	TON	Hot Mix Asphalt Surface Course, Superpave Mix D, N50 (>800)	129.18
32 12 16 13-0031	TON	Hot Mix Asphalt Surface Course, Superpave Mix D, N70 (Up To 50)	219.60
32 12 16 13-0032	TON	Hot Mix Asphalt Surface Course, Superpave Mix D, N70 (>50 To 250)	189.59
32 12 16 13-0033	TON	Hot Mix Asphalt Surface Course, Superpave Mix D, N70 (>250 To 800)	157.79
32 12 16 13-0034	TON	Hot Mix Asphalt Surface Course, Superpave Mix D, N70 (>800)	132.86
32 12 16 13-0035	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix E, N90 SBS/SBR PG 70-22, (Up To 50)	285.27
32 12 16 13-0036	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix E, N90 SBS/SBR PG 70-22, (>50 To 250)	251.17
32 12 16 13-0037	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix E, N90 SBS/SBR PG 70-22, (>250 To 800)	205.20
32 12 16 13-0038	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix E, N90 SBS/SBR PG 70-22, (>800)	172.18
32 12 16 13-0039	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix E, N90 SBS/SBR PG 76-22, (Up To 50)	270.01
32 12 16 13-0040	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix E, N90 SBS/SBR PG 76-22, (>50 To 250)	237.84
32 12 16 13-0041	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix E, N90 SBS/SBR PG 76-22, (>250 To 800)	194.28
32 12 16 13-0042	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix E, N90 SBS/SBR PG 76-22, (>800)	163.03
32 12 16 13-0043	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix F, N105 SBS/SBR PG 76-22, (Up To 50)	277.63
32 12 16 13-0044	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix F, N105 SBS/SBR PG 76-22, (>50 To 250)	244.54
32 12 16 13-0045	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix F, N105 SBS/SBR PG 76-22, (>250 To 800)	199.75
32 12 16 13-0046	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix F, N105 SBS/SBR PG 76-22, (>800)	167.62
32 12 16 13-0047	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix H, (Up To 50)	273.82
32 12 16 13-0048	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix H, (>50 To 250)	241.19
32 12 16 13-0049	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix H, (>250 To 800)	197.02
32 12 16 13-0050	TON	Polymerized Hot Mix Asphalt Surface Course, Superpave Mix H, (>800)	165.32
32 12 16 13-0051	TON	Leveling Binder (Hand Method), Superpave N50, (Up To 25)	359.71
32 12 16 13-0052	TON	Leveling Binder (Hand Method), Superpave N50, (>25 - 100)	325.70
32 12 16 13-0053	TON	Leveling Binder (Hand Method), Superpave N50, (>100 - 250)	287.08
32 12 16 13-0054	TON	Leveling Binder (Hand Method), Superpave N50, (>250)	243.18
32 12 16 13-0055	TON	Leveling Binder (Hand Method), Superpave N70, (Up To 25)	376.19
32 12 16 13-0056	TON	Leveling Binder (Hand Method), Superpave N70, (>25 - 100)	339.97
32 12 16 13-0057	TON	Leveling Binder (Hand Method), Superpave N70, (>100 - 250)	299.31
32 12 16 13-0058	TON	Leveling Binder (Hand Method), Superpave N70, (>250)	261.88
32 12 16 13-0059	TON	Leveling Binder (Machine Method), Superpave N50, (Up To 25)	309.50
32 12 16 13-0060	TON	Leveling Binder (Machine Method), Superpave N50, (>25 - 100)	269.81
32 12 16 13-0061	TON	Leveling Binder (Machine Method), Superpave N50, (>100 - 250)	231.49
32 12 16 13-0062	TON	Leveling Binder (Machine Method), Superpave N50, (>250)	196.20
32 12 16 13-0063	TON	Leveling Binder (Machine Method), Superpave N70, (Up To 25)	325.98
32 12 16 13-0064	TON	Leveling Binder (Machine Method), Superpave N70, (>25 - 100)	284.08
32 12 16 13-0065	TON	Leveling Binder (Machine Method), Superpave N70, (>100 - 250)	243.72
32 12 16 13-0066	TON	Leveling Binder (Machine Method), Superpave N70, (>250)	206.61
32 12 16 13-0067	TON	Pervious Hot Mix Asphalt (Up To 50)	274.59
32 12 16 13-0068	TON	Pervious Hot Mix Asphalt (>50 - 250)	246.36
32 12 16 13-0069	TON	Pervious Hot Mix Asphalt (>250 - 800)	214.56
32 12 16 13-0070	TON	Pervious Hot Mix Asphalt (>250 - 800)	178.73

32 12 16 13-0071**Hand Placed, Hot Mix Asphalt (HMA)** (32 12 16 13)

32 12 16 13-0072	TON	Hand Placed Hot Mixed Asphalt 3,954 Lb./CY	397.79

Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.

32 12 16 19**Cold-Mix Asphalt Paving** (32 12 16)

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001**Cold Mix Asphalt (CMA) Pavement** (32 12 16 19)

Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	13.84
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	13.44
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	21.29

32 12 16 39**Paving Fabrics** (32 12 16)

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001**Geotextile Paving Fabrics** (32 12 16 39)

32 12 16 39-0002	SY	3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	1.96
		For Up To 50, Add	0.44
		For >50 To 150, Add	0.32
		For >150 To 250, Add	0.21
		For >250 To 500, Add	0.11



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Flexible Paving			32 12

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 39-0003	SY		4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O).....	2.11	
			For Up To 50, Add	0.47	
			For >50 To 150, Add	0.35	
			For >150 To 250, Add	0.23	
			For >250 To 500, Add	0.11	
32 12 16 39-0004 Paving Interlayer Fabrics (32 12 16 39)					
32 12 16 39-0005	SY		Up To 500 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25).....	13.16	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0006	SY		>500 To 2,500 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25).....	5.53	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0007	SY		>2,500 To 5,000 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25).....	4.59	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0008	SY		>5,000 To 10,000 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25).....	4.42	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0009	SY		>10,000 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25).....	4.14	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0010	SY		Up To 500 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50).....	17.31	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0011	SY		>500 To 2,500 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50).....	9.61	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0012	SY		>2,500 To 5,000 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50).....	8.67	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0013	SY		>5,000 To 10,000 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50).....	8.50	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0014	SY		>10,000 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50).....	8.36	
			Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.		
32 12 16 39-0015	SY		Up To 500 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511).....	15.45	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0016	SY		>500 To 2,500 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511).....	12.75	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0017	SY		>2,500 To 5,000 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511).....	11.71	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0018	SY		>2,500 To 5,000 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511).....	11.36	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0019	SY		>10,000 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511).....	11.15	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0020	SY		Up To 500 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF).....	19.97	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0021	SY		>500 To 2,500 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF).....	17.27	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0022	SY		>2,500 To 5,000 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF).....	16.23	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0023	SY		>5,000 To 10,000 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF).....	15.88	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0024	SY		>10,000 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF).....	15.67	
			Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 43 Waterproofing Membranes (32 12 16)					
32 12 16 43-0001 Waterproofing Membranes (32 12 16 43)					
32 12 16 43-0002	SY		Up To 500 SY, Preformed Rubberized Asphalt Membrane.....	38.18	
32 12 16 43-0003	SY		>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane.....	28.45	
32 12 16 43-0004	SY		>1,000 SY, Preformed Rubberized Asphalt Membrane.....	17.43	
32 12 33 Flexible Paving Surface Treatments (32 12)					
32 12 33 00-0001 Bituminous Surface Treatment For Roadways (32 12 33)					
			Note: 0.25 Gallon bitumen per SY and 30 Lb. of gravel/SY.		
32 12 33 00-0002	SY		Single Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	3.32	
32 12 33 00-0003	SY		Double Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	5.98	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 33 00-0004		Bituminous Surface Treatment For Trails (32 12 33) Note: 0.25 Gallon bitumen per SY and 20 Lb. of gravel/SY.		
32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	2.23	
32 12 36		Seal Coats (32 12) See CSI section 32 01 13 62-0000 for slurry seal.		
32 12 36 13		Asphaltic Seal and Fog Coats (32 12 36)		
32 12 36 13-0001		Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13) Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.		
32 12 36 13-0002		Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001) Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.51	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.99	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.77	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.52	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.38	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.26	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.12	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.05	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0011		Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001) Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.42	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.84	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.57	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.41	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.09	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.90	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.73	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.64	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0020		Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001) Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.23	
		For Each Additional 0.5% Latex Additive, Add	0.93	
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.59	
		For Each Additional 0.5% Latex Additive, Add	0.93	
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.26	
		For Each Additional 0.5% Latex Additive, Add	0.93	
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.89	
		For Each Additional 0.5% Latex Additive, Add	0.93	
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.68	
		For Each Additional 0.5% Latex Additive, Add	0.93	
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.41	
		For Each Additional 0.5% Latex Additive, Add	0.93	
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.21	
		For Each Additional 0.5% Latex Additive, Add	0.93	
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.12	
		For Each Additional 0.5% Latex Additive, Add	0.93	
32 12 36 13-0029		Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001) Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0030	SY	Up To 200 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.31	
		For Each Additional 0.5% Latex Additive, Add	1.07	



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Flexible Paving			32 12

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0031 SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.66	
For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0032 SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.34	
For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0033 SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.98	
For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0034 SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.77	
For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0035 SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.59	
For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0036 SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.30	
For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0037 SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.21	
For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0038 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) ⁽³²		
^{12 36 13-0001)}		
Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039 SY Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	11.07	
For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0040 SY >200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	10.22	
For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0041 SY >500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	9.74	
For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0042 SY >1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	9.18	
For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0043 SY >5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	8.89	
For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0044 SY >10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	8.53	
For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0045 SY >20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	8.25	
For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0046 SY >50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	8.12	
For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0047 Asphalt Emulsion Seal Coat (Scrub Seal) ^(32 12 36 13)		
Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.		
32 12 36 13-0048 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) ^{(32 12}		
^{36 13-0047)}		
Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0049 SY Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.03	
For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0050 SY >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.73	
For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0051 SY >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.52	
For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0052 SY >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.30	
For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0053 SY >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.18	
For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0054 SY >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.08	
For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0055 SY >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.97	
For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0056 SY >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.92	
For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0057 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) ^(32 12 36 13-0047)		
Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0058 SY Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.96	
For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0059 SY >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.62	
For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0060 SY >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.39	
For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0061 SY >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.22	
For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0062 SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.90	
For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0063 SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.72	
For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0064 SY >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.57	
For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0065 SY >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.51	
For Each Additional 0.5% Latex Additive, Add	0.78	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 36 13-0066 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) (32 12 36 13-0047)	
Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0067 SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.83
For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0068 SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.38
For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0069 SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.07
For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0070 SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.71
For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0071 SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.51
For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0072 SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.24
For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0073 SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.06
For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0074 SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.99
For Each Additional 0.5% Latex Additive, Add	0.93

32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) (32 12 36 13-0047)	
Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0076 SY Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.92
For Each Additional 0.5% Latex Additive, Add	1.07
32 12 36 13-0077 SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.48
For Each Additional 0.5% Latex Additive, Add	1.07
32 12 36 13-0078 SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.14
For Each Additional 0.5% Latex Additive, Add	1.07
32 12 36 13-0079 SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.77
For Each Additional 0.5% Latex Additive, Add	1.07
32 12 36 13-0080 SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.59
For Each Additional 0.5% Latex Additive, Add	1.07
32 12 36 13-0081 SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.42
For Each Additional 0.5% Latex Additive, Add	1.07
32 12 36 13-0082 SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.15
For Each Additional 0.5% Latex Additive, Add	1.07
32 12 36 13-0083 SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.08
For Each Additional 0.5% Latex Additive, Add	1.07

32 12 36 13-0084 Fog Seal, CQS-1h (32 12 36 13)	
Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.	
32 12 36 13-0085 SY Up To 200 SY, CQS-1h, Fog Seal	2.01
32 12 36 13-0086 SY >200 To 500 SY, CQS-1h, Fog Seal	1.47
32 12 36 13-0087 SY >500 To 1,000 SY, CQS-1h, Fog Seal	1.25
32 12 36 13-0088 SY >1,000 To 5,000 SY, CQS-1h, Fog Seal	1.09
32 12 36 13-0089 SY >5,000 To 10,000 SY, CQS-1h, Fog Seal	0.99
32 12 36 13-0090 SY >10,000 To 20,000 SY, CQS-1h, Fog Seal	0.91
32 12 36 13-0091 SY >20,000 To 50,000 SY, CQS-1h, Fog Seal	0.86
32 12 36 13-0092 SY >50,000 SY, CQS-1h, Fog Seal	0.82

32 12 36 13-0093 Sand Sealer (32 12 36 13)	
Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.	
32 12 36 13-0094 SY Up To 200 SY, Sand Seal	3.01
32 12 36 13-0095 SY >200 To 500 SY, Sand Seal	2.01
32 12 36 13-0096 SY >500 To 1,000 SY, Sand Seal	1.98
32 12 36 13-0097 SY >1,000 To 5,000 SY, Sand Seal	1.75
32 12 36 13-0098 SY >5,000 To 10,000 SY, Sand Seal	1.64
32 12 36 13-0099 SY >10,000 To 20,000 SY, Sand Seal	1.53
32 12 36 13-0100 SY >20,000 To 50,000 SY, Sand Seal	1.45
32 12 36 13-0101 SY >50,000 SY, Sand Seal	1.43

32 12 36 16 Coal Tar Seal Coats
(32 12 36)

32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal (32 12 36 16)	
Note: Includes sweeping and cleaning of area.	
32 12 36 16-0002 SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	17.32
32 12 36 16-0003 SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	16.33
32 12 36 16-0004 SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	14.40
32 12 36 16-0005 SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	12.96
32 12 36 16-0006 SY >20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	11.04
32 12 36 16-0007 SY >50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	9.11
32 12 36 16-0008 SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	21.14
32 12 36 16-0009 SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	20.01
32 12 36 16-0010 SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	17.69
32 12 36 16-0011 SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	15.99



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Flexible Paving			32 12

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 16-0012	SY		>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	13.67	
32 12 36 16-0013	SY		>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	11.35	
32 12 36 23 Fuel-Resistant Sealers (32 12 36)					
32 12 36 23-0001 Guardtop Seal Coat (32 12 36 23)					
Note: Includes sweeping and cleaning of area.					
32 12 36 23-0002	SY		GuardTop® Asphalt Based Sealcoat (Two Coats)	3.30	
			For 3% Polyglass Additive, Add	0.40	
			For 6% Polyglass Additive, Add	0.72	
			For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	0.27	
32 12 36 23-0003	LF		GuardTop® Cold Pour Crack Filler.....	1.37	
32 12 36 23-0004	LF		GuardTop® Hot Pour Crack Filler.....	1.56	
32 12 36 23-0005	SY		GuardTop® Oil Spot Primer For Asphalt	6.10	
32 12 36 23-0006	SY		GuardTop® Ultra, Polymer Modified, Asphalt Based Sealcoat (Two Coats)	4.39	
			For 3% Polyglass Additive, Add	0.40	
			For 6% Polyglass Additive, Add	0.72	
			For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	0.27	
32 12 43 Porous Flexible Paving (32 12)					
32 12 43 00-0001 Flexible Recycled Plastic Porous Grid (32 12 43)					
Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.					
32 12 43 00-0002	SY		1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	40.98	
Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc., Grasspave2.					
			For Up To 100, Add	13.78	
			For >100 To 500, Add	3.46	
			For >1,000 To 5,000, Deduct	-1.42	
			For >5,000, Deduct	-2.93	
32 12 73 Asphalt Paving Joint Sealants (32 12)					
32 12 73 00-0001 Expansion Joint In Sidewalk (32 12 73)					
32 12 73 00-0002	LF		For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.75	
32 13 Rigid Paving (32 10)					
32 13 13 Concrete Paving (32 13)					
Note: The following section includes spreading and placing delivered Portland cement concrete mix.					
32 13 13 33 Plain Concrete Paving (32 13 13)					
32 13 13 33-0001 Concrete Paving Assemblies (32 13 13 33)					
Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.					
32 13 13 33-0002 4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)					
32 13 13 33-0003	SY		4" 4,500 PSI Concrete Paving Assembly	64.72	
			For 2,500 PSI Concrete, Deduct	-3.85	
			For 3,000 PSI Concrete, Deduct	-2.51	
			For 3,500 PSI Concrete, Deduct	-2.01	
			For 4,000 PSI Concrete, Deduct	-0.87	
			For 5,000 PSI Concrete, Add	0.54	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.36	
			For <12' Wide Pass, Add	11.15	
			For 24' Or Greater Wide Pass, Deduct	-12.94	
			For Air Entrainment, Add	1.68	
			For Slipforming, Deduct	-6.47	
			For Up To 100, Add	25.42	
			For >100 To 250, Add	14.39	
			For >250 To 500, Add	7.19	
			For >1,000 To 2,000, Deduct	-1.68	
			For >2,000 To 5,000, Deduct	-3.29	
			For >5,000 To 10,000, Deduct	-4.91	
			For >10,000 To 20,000, Deduct	-6.53	
			For >20,000, Deduct	-8.15	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0004	SY	5"	4,500 PSI Concrete Paving Assembly	76.74	
			For 2,500 PSI Concrete, Deduct	-4.84	
			For 3,000 PSI Concrete, Deduct	-3.16	
			For 3,500 PSI Concrete, Deduct	-2.52	
			For 4,000 PSI Concrete, Deduct	-1.09	
			For 5,000 PSI Concrete, Add	0.67	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.47	
			For <12' Wide Pass, Add	12.87	
			For 24' Or Greater Wide Pass, Deduct	-15.35	
			For Air Entrainment, Add	2.10	
			For Slipforming, Deduct	-7.67	
			For Up To 100, Add	29.22	
			For >100 To 250, Add	16.71	
			For >250 To 500, Add	8.36	
			For >1,000 To 2,000, Deduct	-2.10	
			For >2,000 To 5,000, Deduct	-4.02	
			For >5,000 To 10,000, Deduct	-5.94	
			For >10,000 To 20,000, Deduct	-7.86	
			For >20,000, Deduct	-9.78	
32 13 13 33-0005	SY	6"	4,500 PSI Concrete Paving Assembly	81.94	
			For 2,500 PSI Concrete, Deduct	-5.10	
			For 3,000 PSI Concrete, Deduct	-3.33	
			For 3,500 PSI Concrete, Deduct	-2.66	
			For 4,000 PSI Concrete, Deduct	-1.15	
			For 5,000 PSI Concrete, Add	0.71	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.77	
			For <12' Wide Pass, Add	13.83	
			For 24' Or Greater Wide Pass, Deduct	-16.39	
			For Air Entrainment, Add	2.22	
			For Slipforming, Deduct	-8.19	
			For Up To 100, Add	31.41	
			For >100 To 250, Add	17.93	
			For >250 To 500, Add	8.96	
			For >1,000 To 2,000, Deduct	-2.22	
			For >2,000 To 5,000, Deduct	-4.27	
			For >5,000 To 10,000, Deduct	-6.32	
			For >10,000 To 20,000, Deduct	-8.36	
			For >20,000, Deduct	-10.41	
32 13 13 33-0006	SY	7"	4,500 PSI Concrete Paving Assembly	97.56	
			For 2,500 PSI Concrete, Deduct	-6.44	
			For 3,000 PSI Concrete, Deduct	-4.20	
			For 3,500 PSI Concrete, Deduct	-3.36	
			For 4,000 PSI Concrete, Deduct	-1.45	
			For 5,000 PSI Concrete, Add	0.90	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.27	
			For <12' Wide Pass, Add	16.00	
			For 24' Or Greater Wide Pass, Deduct	-19.51	
			For Air Entrainment, Add	2.80	
			For Slipforming, Deduct	-9.76	
			For Up To 100, Add	36.15	
			For >100 To 250, Add	20.87	
			For >250 To 500, Add	10.44	
			For >1,000 To 2,000, Deduct	-2.80	
			For >2,000 To 5,000, Deduct	-5.24	
			For >5,000 To 10,000, Deduct	-7.68	
			For >10,000 To 20,000, Deduct	-10.12	
			For >20,000, Deduct	-12.55	
32 13 13 33-0007	SY	8"	4,500 PSI Concrete Paving Assembly	111.35	
			For 2,500 PSI Concrete, Deduct	-7.06	
			For 3,000 PSI Concrete, Deduct	-4.61	
			For 3,500 PSI Concrete, Deduct	-3.69	
			For 4,000 PSI Concrete, Deduct	-1.60	
			For 5,000 PSI Concrete, Add	0.98	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.98	
			For <12' Wide Pass, Add	18.62	
			For 24' Or Greater Wide Pass, Deduct	-22.27	
			For Air Entrainment, Add	3.07	
			For Slipforming, Deduct	-11.14	
			For Up To 100, Add	42.24	
			For >100 To 250, Add	24.19	
			For >250 To 500, Add	12.10	
			For >1,000 To 2,000, Deduct	-3.07	
			For >2,000 To 5,000, Deduct	-5.85	
			For >5,000 To 10,000, Deduct	-8.64	
			For >10,000 To 20,000, Deduct	-11.42	
			For >20,000, Deduct	-14.21	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Rigid Paving		32 13

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0008 SY 9" 4,500 PSI Concrete Paving Assembly.....	126.11	
For 2,500 PSI Concrete, Deduct	-8.16	
For 3,000 PSI Concrete, Deduct	-5.32	
For 3,500 PSI Concrete, Deduct	-4.26	
For 4,000 PSI Concrete, Deduct	-1.85	
For 5,000 PSI Concrete, Add	1.14	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	9.23	
For <12' Wide Pass, Add	20.88	
For 24' Or Greater Wide Pass, Deduct	-25.22	
For Air Entrainment, Add	3.55	
For Slipforming, Deduct	-12.61	
For Up To 100, Add	47.27	
For >100 To 250, Add	27.19	
For >250 To 500, Add	13.59	
For >1,000 To 2,000, Deduct	-3.55	
For >2,000 To 5,000, Deduct	-6.70	
For >5,000 To 10,000, Deduct	-9.85	
For >10,000 To 20,000, Deduct	-13.01	
For >20,000, Deduct	-16.16	
32 13 13 33-0009 SY 10" 4,500 PSI Concrete Paving Assembly.....	140.49	
For 2,500 PSI Concrete, Deduct	-8.98	
For 3,000 PSI Concrete, Deduct	-5.86	
For 3,500 PSI Concrete, Deduct	-4.68	
For 4,000 PSI Concrete, Deduct	-2.03	
For 5,000 PSI Concrete, Add	1.25	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	10.15	
For <12' Wide Pass, Add	23.41	
For 24' Or Greater Wide Pass, Deduct	-28.10	
For Air Entrainment, Add	3.90	
For Slipforming, Deduct	-14.05	
For Up To 100, Add	53.06	
For >100 To 250, Add	30.44	
For >250 To 500, Add	15.22	
For >1,000 To 2,000, Deduct	-3.90	
For >2,000 To 5,000, Deduct	-7.42	
For >5,000 To 10,000, Deduct	-10.93	
For >10,000 To 20,000, Deduct	-14.44	
For >20,000, Deduct	-17.95	
32 13 13 33-0010 SY 12" 4,500 PSI Concrete Paving Assembly.....	167.35	
For 2,500 PSI Concrete, Deduct	-10.63	
For 3,000 PSI Concrete, Deduct	-6.93	
For 3,500 PSI Concrete, Deduct	-5.55	
For 4,000 PSI Concrete, Deduct	-2.40	
For 5,000 PSI Concrete, Add	1.48	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.02	
For <12' Wide Pass, Add	27.97	
For 24' Or Greater Wide Pass, Deduct	-33.47	
For Air Entrainment, Add	4.62	
For Slipforming, Deduct	-16.74	
For Up To 100, Add	63.43	
For >100 To 250, Add	36.34	
For >250 To 500, Add	18.17	
For >1,000 To 2,000, Deduct	-4.62	
For >2,000 To 5,000, Deduct	-8.81	
For >5,000 To 10,000, Deduct	-12.99	
For >10,000 To 20,000, Deduct	-17.17	
For >20,000, Deduct	-21.36	
32 13 13 33-0011 SY 15" 4,500 PSI Concrete Paving Assembly.....	212.93	
For 2,500 PSI Concrete, Deduct	-13.06	
For 3,000 PSI Concrete, Deduct	-8.51	
For 3,500 PSI Concrete, Deduct	-6.81	
For 4,000 PSI Concrete, Deduct	-2.95	
For 5,000 PSI Concrete, Add	1.82	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	14.76	
For <12' Wide Pass, Add	36.20	
For 24' Or Greater Wide Pass, Deduct	-42.59	
For Air Entrainment, Add	5.68	
For Slipforming, Deduct	-21.29	
For Up To 100, Add	82.35	
For >100 To 250, Add	46.85	
For >250 To 500, Add	23.42	
For >1,000 To 2,000, Deduct	-5.68	
For >2,000 To 5,000, Deduct	-11.00	
For >5,000 To 10,000, Deduct	-16.32	
For >10,000 To 20,000, Deduct	-21.65	
For >20,000, Deduct	-26.97	

32 13 16 Decorative Concrete Paving (32 13)**32 13 16 13 Patterned Concrete Paving** (32 13 16)

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001 SF For Patterned (Tactile) Finish In Concrete Sidewalk.....5.56

32 13 43 Pervious Concrete Paving (32 13)

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 43 00-0001		Pervious Concrete Assemblies ^(32 13 43) Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....18.58 Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		For >5,000 To 30,000, Deduct	-1.98	
		For >30,000 To 100,000, Deduct	-3.61	
		For >100,000, Deduct	-4.49	
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....23.62 Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		For >5,000 To 30,000, Deduct	-2.44	
		For >30,000 To 100,000, Deduct	-4.38	
		For >100,000, Deduct	-5.44	
32 13 73		Concrete Paving Joint Sealants ^(32 13)		
32 13 73 13		Fuel-Resistant Concrete Paving Joint Sealants ^(32 13 73)		
32 13 73 13-0001		Concrete Pavement Joint And Crack Repair ^(32 13 73 13) Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002		Silicone Concrete Pavement Joint And Crack Repair ^(32 13 73 13-0001)		
32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair.....631.14 For Custom Match Coloring, Add 20.74 For 1 Part Mildew Resistant, Add 30.25 For High-Modulus Non-Acid Curing, Add 17.29		
32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....710.68 For Custom Match Coloring, Add 31.12 For 1 Part Mildew Resistant, Add 45.38 For High-Modulus Non-Acid Curing, Add 25.93		
32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair.....790.20 For Custom Match Coloring, Add 41.49 For 1 Part Mildew Resistant, Add 60.50 For High-Modulus Non-Acid Curing, Add 34.57		
32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....811.81 For Custom Match Coloring, Add 46.67 For 1 Part Mildew Resistant, Add 68.06 For High-Modulus Non-Acid Curing, Add 38.89		
32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair.....894.79 For Custom Match Coloring, Add 62.23 For 1 Part Mildew Resistant, Add 90.75 For High-Modulus Non-Acid Curing, Add 51.86		
32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....977.76 For Custom Match Coloring, Add 77.79 For 1 Part Mildew Resistant, Add 113.44 For High-Modulus Non-Acid Curing, Add 64.82		
32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair.....1,078.91 For Custom Match Coloring, Add 93.35 For 1 Part Mildew Resistant, Add 136.13 For High-Modulus Non-Acid Curing, Add 77.79		
32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair.....999.37 For Custom Match Coloring, Add 82.97 For 1 Part Mildew Resistant, Add 121.00 For High-Modulus Non-Acid Curing, Add 69.14		
32 13 73 13-0011	CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....1,158.43 For Custom Match Coloring, Add 103.72 For 1 Part Mildew Resistant, Add 151.25 For High-Modulus Non-Acid Curing, Add 86.43		
32 13 73 13-0012	CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair.....1,281.18 For Custom Match Coloring, Add 124.46 For 1 Part Mildew Resistant, Add 181.50 For High-Modulus Non-Acid Curing, Add 103.72		
32 13 73 13-0013	CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....1,403.92 For Custom Match Coloring, Add 145.20 For 1 Part Mildew Resistant, Add 211.75 For High-Modulus Non-Acid Curing, Add 121.00		
32 13 73 13-0014	CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair.....1,508.51 For Custom Match Coloring, Add 165.95 For 1 Part Mildew Resistant, Add 242.00 For High-Modulus Non-Acid Curing, Add 138.29		
32 13 73 13-0015	CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair.....1,613.10 For Custom Match Coloring, Add 186.69 For 1 Part Mildew Resistant, Add 272.25 For High-Modulus Non-Acid Curing, Add 155.57		
32 13 73 13-0016	CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair.....1,951.92 For Custom Match Coloring, Add 259.29 For 1 Part Mildew Resistant, Add 378.13 For High-Modulus Non-Acid Curing, Add 216.08		
32 13 73 13-0017	CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair.....2,290.73 For Custom Match Coloring, Add 331.89 For 1 Part Mildew Resistant, Add 484.01 For High-Modulus Non-Acid Curing, Add 276.58		



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Rigid Paving			32 13

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)**32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	14.17

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)**32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)**

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	CLF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	562.84	116.42
		For >25 To 50, Deduct	-15.04	
		For >50 To 100, Deduct	-30.57	
		For >100 To 175, Deduct	-44.64	
		For >175 To 250, Deduct	-61.14	
		For >250, Deduct	-77.64	
32 13 73 19-0003	CLF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	637.98	124.18
		For >25 To 50, Deduct	-17.36	
		For >50 To 100, Deduct	-35.43	
		For >100 To 175, Deduct	-51.38	
		For >175 To 250, Deduct	-70.86	
		For >250, Deduct	-90.34	
32 13 73 19-0004	CLF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	738.49	131.95
		For >25 To 50, Deduct	-20.57	
		For >50 To 100, Deduct	-42.19	
		For >100 To 175, Deduct	-60.65	
		For >175 To 250, Deduct	-84.39	
		For >250, Deduct	-108.12	
32 13 73 19-0005	CLF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,079.73	147.47
		For >25 To 50, Deduct	-31.89	
		For >50 To 100, Deduct	-66.23	
		For >100 To 175, Deduct	-93.23	
		For >175 To 250, Deduct	-132.47	
		For >250, Deduct	-171.71	
32 13 73 19-0006	CLF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,473.82	174.63
		For >25 To 50, Deduct	-44.60	
		For >50 To 100, Deduct	-93.07	
		For >100 To 175, Deduct	-129.92	
		For >175 To 250, Deduct	-186.15	
		For >250, Deduct	-242.38	
32 13 73 19-0007	CLF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	2,128.56	194.04
		For >25 To 50, Deduct	-66.74	
		For >50 To 100, Deduct	-140.24	
		For >100 To 175, Deduct	-193.45	
		For >175 To 250, Deduct	-280.48	
		For >250, Deduct	-367.50	
32 13 73 19-0008	CLF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	2,979.35	215.59
		For >25 To 50, Deduct	-95.65	
		For >50 To 100, Deduct	-201.89	
		For >100 To 175, Deduct	-276.38	
		For >175 To 250, Deduct	-403.78	
		For >250, Deduct	-531.19	

32 14 Unit Paving (32 10)**32 14 09 Paver Restraints (32 14)****32 14 09 00-0001 Paver Restraints (32 14 09)**

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	5.28	1.18
		For >1,000 To 2,000, Deduct	-0.75	
		For >2,000 To 4,000, Deduct	-1.09	
		For >4,000, Deduct	-1.39	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	5.73	1.18
		For >500 To 1,000, Deduct	-0.19	
		For >1,000 To 2,000, Deduct	-0.39	
		For >2,000, Deduct	-0.58	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	5.51	1.18
		For >250 To 500, Deduct	-0.36	
		For >500 To 1,000, Deduct	-0.54	
		For >1,000 To 1,500, Deduct	-0.91	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	6.52	1.18
		For >250 To 500, Deduct	-0.46	
		For >500 To 1,000, Deduct	-0.70	
		For >1,000 To 1,500, Deduct	-1.16	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 09 00-0006 LF >2" To 3" Height, Aluminum Paver Restraint	8.48	1.18
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-0.99	
For >1,000 To 1,500, Deduct	-1.65	
32 14 09 00-0007 LF >3" To 4" Height, Aluminum Paver Restraint	9.98	1.18
For >250 To 500, Deduct	-0.81	
For >500 To 1,000, Deduct	-1.22	
For >1,000 To 1,500, Deduct	-2.03	

32 14 11 Bedding for Unit Paving (32 14)**32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)**

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.

32 14 11 00-0002 SF 1" To 2" Screeded Sand Bedding	1.08	
For Up To 100, Add	0.50	
For >100 To 500, Add	0.14	
For >1,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.14	
32 14 11 00-0003 SF 1" To 2" Screeded Stone Dust Bedding	1.24	
For Up To 100, Add	0.54	
For >100 To 500, Add	0.15	
For >1,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.15	
32 14 11 00-0004 SF 3" Screeded Stone Dust Bedding	1.56	
For Up To 100, Add	0.66	
For >100 To 500, Add	0.18	
For >1,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.17	
32 14 11 00-0005 SF 4" Screeded Stone Dust Bedding	1.97	
For Up To 100, Add	0.82	
For >100 To 500, Add	0.23	
For >1,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.22	
32 14 11 00-0006 SF 1" Mortar Bedding	3.64	
For Up To 100, Add	1.65	
For >100 To 500, Add	0.48	
For >1,000 To 5,000, Deduct	-0.29	
For >5,000, Deduct	-0.46	
32 14 11 00-0007 SF 2" Mortar Bedding	5.33	
For Up To 100, Add	2.32	
For >100 To 500, Add	0.66	
For >1,000 To 5,000, Deduct	-0.39	
For >5,000, Deduct	-0.63	
32 14 11 00-0008 SF Thin-Set Latex Portland Cement Mortar	1.83	
For Up To 100, Add	0.85	
For >100 To 500, Add	0.25	
For >1,000 To 5,000, Deduct	-0.16	
For >5,000, Deduct	-0.24	

32 14 13 Precast Concrete Unit Paving (32 14)**32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)****32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)**

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002 SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver	13.06	3.67
Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	1.22	
For 3-1/8" Concrete Paver, Add	1.98	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.02	
For Up To 100, Add	5.11	
For >100 To 500, Add	1.39	
For >1,000 To 5,000, Deduct	-0.74	
For >5,000, Deduct	-1.28	
32 14 13 16-0003 SF 2-3/8" Thick, >32 To 64 SI Precast Concrete Paver	12.39	3.35
Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	1.19	
For 3-1/8" Concrete Paver, Add	1.93	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.95	
For Up To 100, Add	4.77	
For >100 To 500, Add	1.29	
For >1,000 To 5,000, Deduct	-0.67	
For >5,000, Deduct	-1.18	
32 14 13 16-0004 SF 2-3/8" Thick, >64 To 144 SI Precast Concrete Paver	11.77	2.66
Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	1.16	
For 3-1/8" Concrete Paver, Add	1.88	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.89	
For Up To 100, Add	4.46	
For >100 To 500, Add	1.20	
For >1,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-1.08	



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Unit Paving			32 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0005	SF		2-3/8" Thick, >144 SI Precast Concrete Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	11.22 1.13 1.84 0.84 4.19 1.11 -0.55 -1.00	2.76
32 14 13 16-0006	SF		2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.07 1.17 1.90 0.92 4.61 1.24 -0.64 -1.13	3.18
32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)					
32 14 13 19-0001			Turf Block (32 14 13 19) Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF		3-1/8" Thick, Precast Concrete Turf Block For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	13.25 4.91 1.30 -0.64 -1.16	3.18
32 14 16 Brick Unit Paving (32 14)					
32 14 16 00-0001			Brick Paver Sidewalk (32 14 16) Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 16 00-0002	SF		4" x 8" x 2-1/4" Brick Paver, Laid Flat For 1-3/8" Thick Paver, Deduct For 2-3/4" Thick Paver (Vehicular), Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	16.40 -3.53 8.07 1.19 5.94 1.56 -0.74 -1.38	3.67
32 14 16 00-0003	SF		4" x 8" x 2-1/4" Brick, Laid On Edge For 1-3/8" Thick Paver, Deduct For 2-3/4" Thick Paver (Vehicular), Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	24.44 -6.04 14.12 1.64 8.21 2.06 -0.84 -1.74	4.19
32 14 33 Plastic Paving (32 14)					
32 14 33 13 Permeable Plastic Paving (32 14 33)					
32 14 33 13-0001			Turf Block Plastic Paving (32 14 33 13)		
32 14 33 13-0002	SF		4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	20.01 6.60 1.64 -0.64 -1.37	3.18
32 14 40 Stone Paving (32 14)					
32 14 40 00-0001			Slate Paver Sidewalk (32 14 40) Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF		1" Thick, Up to 54 SI Slate Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	16.86 1.15 -8.42 -5.87 5.74 1.45 -0.61 -1.24	3.05

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0003 SF 1" Thick, >54 to 108 SI Slate Paver.....	16.31	2.76
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.09	
For 1/4" Thick Paver, Deduct	-8.28	
For 1/2" Thick Paver, Deduct	-5.79	
For Up To 100, Add	5.46	
For >100 To 500, Add	1.37	
For >1,000 To 5,000, Deduct	-0.55	
For >5,000, Deduct	-1.15	
32 14 40 00-0004 SF 1" Thick, >108 to 216 SI Slate Paver.....	15.35	2.28
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.00	
For 1/4" Thick Paver, Deduct	-8.04	
For 1/2" Thick Paver, Deduct	-5.64	
For Up To 100, Add	4.98	
For >100 To 500, Add	1.22	
For >1,000 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-1.01	
32 14 40 00-0005 SF 1" Thick, >216 SI Slate Paver.....	14.94	2.08
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.96	
For 1/4" Thick Paver, Deduct	-7.94	
For 1/2" Thick Paver, Deduct	-5.58	
For Up To 100, Add	4.78	
For >100 To 500, Add	1.16	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-0.95	
32 14 40 00-0006 SF 1" Thick, Slate Paver, Combinations And Patterns.....	15.79	2.50
Note: Patterns made by combining pavers from two or more size groups.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.04	
For 1/4" Thick Paver, Deduct	-8.15	
For 1/2" Thick Paver, Deduct	-5.71	
For Up To 100, Add	5.20	
For >100 To 500, Add	1.29	
For >1,000 To 5,000, Deduct	-0.50	
For >5,000, Deduct	-1.07	
32 14 40 00-0007 Granite Paver Sidewalk (32 14 40)		
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008 SF 1" Thick, Up to 54 SI Granite Paver.....	31.58	3.05
Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.88	
For 2" Granite Paver, Add	1.58	
For 3" Granite Paver, Add	3.16	
For 4" Granite Paver, Add	3.46	
For Up To 100, Add	9.42	
For >100 To 500, Add	2.19	
For >1,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-1.68	
32 14 40 00-0009 SF 1" Thick, >54 to 108 SI Granite Paver.....	31.03	2.76
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.83	
For 2" Granite Paver, Add	1.55	
For 3" Granite Paver, Add	3.10	
For 4" Granite Paver, Add	3.38	
For Up To 100, Add	9.14	
For >100 To 500, Add	2.10	
For >1,000 To 5,000, Deduct	-0.55	
For >5,000, Deduct	-1.59	
32 14 40 00-0010 SF 1" Thick, >108 to 216 SI Granite Paver.....	30.07	2.28
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.73	
For 2" Granite Paver, Add	1.50	
For 3" Granite Paver, Add	3.01	
For 4" Granite Paver, Add	3.24	
For Up To 100, Add	8.66	
For >100 To 500, Add	1.96	
For >1,000 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-1.45	
32 14 40 00-0011 SF 1" Thick, >216 SI Granite Paver.....	29.66	2.08
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.69	
For 2" Granite Paver, Add	1.48	
For 3" Granite Paver, Add	2.97	
For 4" Granite Paver, Add	3.17	
For Up To 100, Add	8.46	
For >100 To 500, Add	1.90	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-1.39	



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Unit Paving			32 14

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0012	SF		1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	30.51 1.78 1.53 3.05 3.30 8.88 2.03 -0.50 -1.52	2.50
32 14 40 00-0013			Cobble Stone (32 14 40) Note: Includes 6" thick 2,500 psi concrete mix with various colors of rounded 4" to 8" diameter cobble stones, half embedded in concrete.		
32 14 40 00-0014	SF		4" to 8" diameter cobble stones, various colors, Up To 500 SF Note: Half embedded in minimum 6" thick 2500 psi concrete mix.	36.84	
32 14 40 00-0015	SF		4" to 8" diameter cobble stones, various colors, > 500 SF..... Note: Half embedded in minimum 6" thick 2500 psi concrete mix.	28.96	
32 15 Aggregate Surfacing (32 10)					
32 15 40 Crushed Stone Surfacing (32 15)					
Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.					
32 15 40 00-0001			Gravel Surfacing And Spreading (32 15 40) Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002	CY		Gravel Surfacing And Spreading	106.32	
32 15 40 00-0003			Limestone Screenings (32 15 40) Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY		Limestone Screenings For Trail.....	82.01	
32 15 40 00-0005			Decomposed Granite (32 15 40) Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006	SY		3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts. For Additional 2" Lift For >45 To 180, Deduct For >180 To 450, Deduct For >450, Deduct	20.14 10.07 -1.34 -1.68 -2.02	
32 16 Curbs, Gutters, Sidewalks, and Driveways (32 10)					
32 16 13 Curbs and Gutters (32 16)					
Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0057 for additional saw cuts within the 100'.					
32 16 13 13 Cast-In-Place Concrete Curbs and Gutters (32 16 13)					
Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.					
32 16 13 13-0001			CALTRANS Cast In Place Concrete Curbs Assemblies (32 16 13 13) Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0002	LF		CALTRANS Type A1-6 Straight Concrete Curb Assembly..... For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct	29.12 16.60 9.38 3.61 -3.61 -6.14	12.31
32 16 13 13-0003	LF		CALTRANS Type A1-6 Radius Concrete Curb Assembly..... For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct	32.58 18.99 10.74 4.12 -4.12 -7.00	14.16
32 16 13 13-0004	LF		CALTRANS Type A1-8 Straight Concrete Curb Assembly..... For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct	30.44 18.10 10.25 3.92 -3.92 -6.65	12.31
32 16 13 13-0005	LF		CALTRANS Type A1-8 Radius Concrete Curb Assembly..... For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct	32.67 19.62 11.12 4.25 -4.25 -7.19	14.16

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0006 LF CALTRANS Type A3-6 Straight Concrete Curb Assembly.....	15.63	8.32
For Up To 20, Add	9.28	
For >20 To 50, Add	5.26	
For >50 To 100, Add	2.01	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-3.41	
32 16 13 13-0007 LF CALTRANS Type A3-6 Radius Concrete Curb Assembly.....	18.10	9.61
For Up To 20, Add	11.01	
For >20 To 50, Add	6.24	
For >50 To 100, Add	2.38	
For >500 To 1,000, Deduct	-2.38	
For >1,000, Deduct	-4.03	
32 16 13 13-0008 LF CALTRANS Type A3-8 Straight Concrete Curb Assembly.....	17.33	8.62
For Up To 20, Add	10.11	
For >20 To 50, Add	5.72	
For >50 To 100, Add	2.20	
For >500 To 1,000, Deduct	-2.20	
For >1,000, Deduct	-3.73	
32 16 13 13-0009 LF CALTRANS Type A3-8 Radius Concrete Curb Assembly.....	19.93	10.34
For Up To 20, Add	11.93	
For >20 To 50, Add	6.76	
For >50 To 100, Add	2.59	
For >500 To 1,000, Deduct	-2.59	
For >1,000, Deduct	-4.38	
32 16 13 13-0010 LF CALTRANS Type B1-4 Straight Concrete Curb Assembly.....	26.54	12.31
For Up To 20, Add	15.16	
For >20 To 50, Add	8.56	
For >50 To 100, Add	3.30	
For >500 To 1,000, Deduct	-3.30	
For >1,000, Deduct	-5.61	
32 16 13 13-0011 LF CALTRANS Type B1-4 Straight Concrete Curb Assembly.....	29.69	14.16
For Up To 20, Add	17.33	
For >20 To 50, Add	9.80	
For >50 To 100, Add	3.76	
For >500 To 1,000, Deduct	-3.76	
For >1,000, Deduct	-6.39	
32 16 13 13-0012 LF CALTRANS Type B1-6 Straight Concrete Curb Assembly.....	29.75	12.31
For Up To 20, Add	16.73	
For >20 To 50, Add	9.44	
For >50 To 100, Add	3.64	
For >500 To 1,000, Deduct	-3.64	
For >1,000, Deduct	-6.21	
32 16 13 13-0013 LF CALTRANS Type B1-6 Radius Concrete Curb Assembly.....	33.21	14.16
For Up To 20, Add	19.11	
For >20 To 50, Add	10.80	
For >50 To 100, Add	4.15	
For >500 To 1,000, Deduct	-4.15	
For >1,000, Deduct	-7.06	
32 16 13 13-0014 LF CALTRANS Type B3-4 Straight Concrete Curb Assembly.....	113.42	7.52
For Up To 20, Add	78.09	
For >20 To 50, Add	44.59	
For >50 To 100, Add	16.75	
For >500 To 1,000, Deduct	-16.75	
For >1,000, Deduct	-27.97	
32 16 13 13-0015 LF CALTRANS Type B3-4 Radius Concrete Curb Assembly.....	15.89	8.62
For Up To 20, Add	9.82	
For >20 To 50, Add	5.58	
For >50 To 100, Add	2.12	
For >500 To 1,000, Deduct	-2.12	
For >1,000, Deduct	-3.58	
32 16 13 13-0016 LF CALTRANS Type B3-6 Straight Concrete Curb Assembly.....	15.34	7.76
For Up To 20, Add	9.04	
For >20 To 50, Add	5.12	
For >50 To 100, Add	1.96	
For >500 To 1,000, Deduct	-1.96	
For >1,000, Deduct	-3.33	
32 16 13 13-0017 LF CALTRANS Type B3-6 Radius Concrete Curb Assembly.....	17.68	9.36
For Up To 20, Add	10.68	
For >20 To 50, Add	6.06	
For >50 To 100, Add	2.31	
For >500 To 1,000, Deduct	-2.31	
For >1,000, Deduct	-3.91	
32 16 13 13-0018 LF CALTRANS Type D-4 Straight Concrete Curb Assembly.....	30.00	12.31
For Up To 20, Add	15.85	
For >20 To 50, Add	8.91	
For >50 To 100, Add	3.47	
For >500 To 1,000, Deduct	-3.47	
For >1,000, Deduct	-5.96	
32 16 13 13-0019 LF CALTRANS Type D-4 Radius Concrete Curb Assembly.....	33.15	14.16
For Up To 20, Add	18.02	
For >20 To 50, Add	10.15	
For >50 To 100, Add	3.94	
For >500 To 1,000, Deduct	-3.94	
For >1,000, Deduct	-6.73	



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Curbs, Gutters, Sidewalks, and Driveways			32 16

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0020	LF		CALTRANS Type D-6 Straight Concrete Curb Assembly	34.95	12.31
			For Up To 20, Add	16.84	
			For >20 To 50, Add	9.41	
			For >50 To 100, Add	3.72	
			For >500 To 1,000, Deduct	-3.72	
			For >1,000, Deduct	-6.45	
32 16 13 13-0021	LF		CALTRANS Type D-6 Radius Concrete Curb Assembly.....	38.10	14.16
			For Up To 20, Add	19.01	
			For >20 To 50, Add	10.64	
			For >50 To 100, Add	4.18	
			For >500 To 1,000, Deduct	-4.18	
			For >1,000, Deduct	-7.23	
32 16 13 13-0022 CALTRANS Cast In Place Concrete Curb And Gutter Assemblies (32 16 13 13)					
Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.					
32 16 13 13-0023	LF		CALTRANS Type A2-6 Straight Concrete Curb And Gutter Assembly	59.97	23.13
			For Up To 20, Add	40.61	
			For >20 To 50, Add	22.62	
			For >50 To 100, Add	9.00	
			For >500 To 1,000, Deduct	-7.62	
			For >1,000, Deduct	-12.93	
			For Mountable Or Rolled Curb And Gutter, Add	3.87	
32 16 13 13-0024	LF		CALTRANS Type A2-6 Radius Concrete Curb And Gutter Assembly.....	64.85	25.56
			For Up To 20, Add	44.02	
			For >20 To 50, Add	24.57	
			For >50 To 100, Add	9.73	
			For >500 To 1,000, Deduct	-8.36	
			For >1,000, Deduct	-14.15	
			For Mountable Or Rolled Curb And Gutter, Add	4.36	
32 16 13 13-0025	LF		CALTRANS Type A2-8 Straight Concrete Curb And Gutter Assembly	64.45	23.13
			For Up To 20, Add	43.64	
			For >20 To 50, Add	24.31	
			For >50 To 100, Add	9.67	
			For >500 To 1,000, Deduct	-8.20	
			For >1,000, Deduct	-13.90	
			For Mountable Or Rolled Curb And Gutter, Add	4.16	
32 16 13 13-0026	LF		CALTRANS Type A2-8 Radius Concrete Curb And Gutter Assembly.....	69.68	25.56
			For Up To 20, Add	47.30	
			For >20 To 50, Add	26.40	
			For >50 To 100, Add	10.45	
			For >500 To 1,000, Deduct	-8.98	
			For >1,000, Deduct	-15.21	
			For Mountable Or Rolled Curb And Gutter, Add	4.69	
32 16 13 13-0027	LF		CALTRANS Type B2-4 Straight Concrete Curb And Gutter Assembly	33.46	13.27
			For Up To 20, Add	22.12	
			For >20 To 50, Add	12.08	
			For >50 To 100, Add	5.02	
			For >500 To 1,000, Deduct	-3.72	
			For >1,000, Deduct	-6.41	
			For Mountable Or Rolled Curb And Gutter, Add	1.33	
32 16 13 13-0028	LF		CALTRANS Type B2-4 Radius Concrete Curb And Gutter Assembly.....	35.40	14.60
			For Up To 20, Add	23.48	
			For >20 To 50, Add	12.86	
			For >50 To 100, Add	5.31	
			For >500 To 1,000, Deduct	-4.01	
			For >1,000, Deduct	-6.90	
			For Mountable Or Rolled Curb And Gutter, Add	1.52	
32 16 13 13-0029	LF		CALTRANS Type B2-6 Straight Concrete Curb And Gutter Assembly	39.77	14.60
			For Up To 20, Add	26.42	
			For >20 To 50, Add	14.49	
			For >50 To 100, Add	5.97	
			For >500 To 1,000, Deduct	-4.55	
			For >1,000, Deduct	-7.81	
			For Mountable Or Rolled Curb And Gutter, Add	1.78	
32 16 13 13-0030	LF		CALTRANS Type B2-6 Radius Concrete Curb And Gutter Assembly.....	42.20	19.48
			For Up To 20, Add	28.12	
			For >20 To 50, Add	15.46	
			For >50 To 100, Add	6.33	
			For >500 To 1,000, Deduct	-4.91	
			For >1,000, Deduct	-8.42	
			For Mountable Or Rolled Curb And Gutter, Add	2.02	
32 16 13 13-0031	LF		CALTRANS Type B4-6 Straight Concrete Curb And Gutter Assembly	64.24	25.44
			For Up To 20, Add	43.63	
			For >20 To 50, Add	24.36	
			For >50 To 100, Add	9.64	
			For >500 To 1,000, Deduct	-8.30	
			For >1,000, Deduct	-14.06	
			For Mountable Or Rolled Curb And Gutter, Add	4.35	
32 16 13 13-0032	LF		CALTRANS Type B4-6 Radius Concrete Curb And Gutter Assembly.....	68.87	27.76
			For Up To 20, Add	46.87	
			For >20 To 50, Add	26.21	
			For >50 To 100, Add	10.33	
			For >500 To 1,000, Deduct	-8.99	
			For >1,000, Deduct	-15.21	
			For Mountable Or Rolled Curb And Gutter, Add	4.82	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0033 LF CALTRANS Type E Straight Concrete Curb And Gutter Assembly.....	68.65	26.78
For Up To 20, Add	46.55	
For >20 To 50, Add	25.95	
For >50 To 100, Add	10.30	
For >500 To 1,000, Deduct	-8.79	
For >1,000, Deduct	-14.90	
For Mountable Or Rolled Curb And Gutter, Add	4.52	
32 16 13 13-0034 LF CALTRANS Type E Radius Concrete Curb And Gutter Assembly.....	73.53	29.21
For Up To 20, Add	49.96	
For >20 To 50, Add	27.90	
For >50 To 100, Add	11.03	
For >500 To 1,000, Deduct	-9.52	
For >1,000, Deduct	-16.12	
For Mountable Or Rolled Curb And Gutter, Add	5.01	
32 16 13 13-0035 Cast In Place Concrete Curbs Assemblies (32 16 13 13)		
Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0036 LF "B3" Cast In Place Concrete Curb	14.09	12.31
32 16 13 13-0037 LF "B3" Cast In Place Concrete Curb - Radius	15.93	14.16
32 16 13 13-0038 LF "B1" Cast In Place Concrete Curb	31.11	12.31
32 16 13 13-0039 LF "B1" Cast In Place Concrete Curb - Radius	35.54	13.55
32 16 13 13-0040 LF "A1-150" Cast In Place Concrete Curb	30.44	12.31
32 16 13 13-0041 LF "A1-150" Cast In Place Concrete Curb - Radius	34.77	13.55
32 16 13 13-0042 LF "A1-200" Cast In Place Concrete Curb	31.40	12.31
32 16 13 13-0043 LF "A1-200" Cast In Place Concrete Curb - Radius	35.87	13.55
32 16 13 13-0044 LF 6" x 12" Cast In Place Concrete Curb	25.93	12.31
For Mountable Curb, Add	1.63	
For Up To 20, Add	15.04	
For >20 To 50, Add	8.50	
For >50 To 100, Add	3.27	
For >500 To 1,000, Deduct	-3.27	
For >1,000, Deduct	-5.55	
32 16 13 13-0045 LF 6" x 12" Cast In Place Concrete Curb - Radius	29.42	14.16
For Mountable Curb, Add	1.91	
For Up To 20, Add	17.27	
For >20 To 50, Add	9.78	
For >50 To 100, Add	3.75	
For >500 To 1,000, Deduct	-3.75	
For >1,000, Deduct	-6.36	
32 16 13 13-0046 LF 6" x 14" Cast In Place Concrete Curb	28.27	12.31
For Mountable Curb, Add	1.79	
For Up To 20, Add	16.43	
For >20 To 50, Add	9.29	
For >50 To 100, Add	3.57	
For >500 To 1,000, Deduct	-3.57	
For >1,000, Deduct	-6.06	
32 16 13 13-0047 LF 6" x 14" Cast In Place Concrete Curb - Radius	32.11	14.16
For Mountable Curb, Add	2.10	
For Up To 20, Add	18.89	
For >20 To 50, Add	10.69	
For >50 To 100, Add	4.10	
For >500 To 1,000, Deduct	-4.10	
For >1,000, Deduct	-6.95	
32 16 13 13-0048 LF 6" x 16" Cast In Place Concrete Curb	30.89	12.31
For Mountable Curb, Add	1.93	
For Up To 20, Add	17.87	
For >20 To 50, Add	10.11	
For >50 To 100, Add	3.88	
For >500 To 1,000, Deduct	-3.88	
For >1,000, Deduct	-6.60	
32 16 13 13-0049 LF 6" x 16" Cast In Place Concrete Curb - Radius	34.97	18.47
For Mountable Curb, Add	2.28	
For Up To 20, Add	20.54	
For >20 To 50, Add	11.62	
For >50 To 100, Add	4.46	
For >500 To 1,000, Deduct	-4.46	
For >1,000, Deduct	-7.56	
32 16 13 13-0050 LF 6" x 18" Cast In Place Concrete Curb	32.95	12.31
For Mountable Curb, Add	2.05	
For Up To 20, Add	19.04	
For >20 To 50, Add	10.76	
For >50 To 100, Add	4.14	
For >500 To 1,000, Deduct	-4.14	
For >1,000, Deduct	-7.03	
32 16 13 13-0051 LF 6" x 18" Cast In Place Concrete Curb - Radius	36.97	14.16
For Mountable Curb, Add	2.36	
For Up To 20, Add	21.55	
For >20 To 50, Add	12.19	
For >50 To 100, Add	4.68	
For >500 To 1,000, Deduct	-4.68	
For >1,000, Deduct	-7.95	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Curbs, Gutters, Sidewalks, and Driveways		32 16

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0052 LF 6" x 24" Cast In Place Concrete Curb.....	37.55	13.55
For Mountable Curb, Add	2.18	
For Up To 20, Add	21.20	
For >20 To 50, Add	11.97	
For >50 To 100, Add	4.61	
For >500 To 1,000, Deduct	-4.61	
For >1,000, Deduct	-7.86	
32 16 13 13-0053 LF 6" x 24" Cast In Place Concrete Curb - Radius.....	41.77	15.39
For Mountable Curb, Add	2.48	
For Up To 20, Add	23.75	
For >20 To 50, Add	13.41	
For >50 To 100, Add	5.17	
For >500 To 1,000, Deduct	-5.17	
For >1,000, Deduct	-8.80	
32 16 13 13-0054 LF 12" x 24" Cast In Place Concrete Curb.....	47.71	15.39
For Mountable Curb, Add	2.15	
For Up To 20, Add	24.94	
For >20 To 50, Add	14.01	
For >50 To 100, Add	5.46	
For >500 To 1,000, Deduct	-5.46	
For >1,000, Deduct	-9.39	
32 16 13 13-0055 LF 12" x 24" Cast In Place Concrete Curb - Radius.....	52.87	17.24
For Mountable Curb, Add	2.44	
For Up To 20, Add	27.81	
For >20 To 50, Add	15.63	
For >50 To 100, Add	6.09	
For >500 To 1,000, Deduct	-6.09	
For >1,000, Deduct	-10.46	
32 16 13 13-0056 EA Additional Finish For Handicap Drop Section In Curb.....	92.35	
32 16 13 13-0057 Cast In Place Concrete Curb And Gutter Assemblies (32 16 13 13)		
Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0058 LF "A2-6 Modified" Concrete Curb And Gutter - Straight.....	35.71	14.60
For Up To 20, Add	23.98	
For >20 To 50, Add	13.27	
For >50 To 100, Add	5.36	
For >500 To 1,000, Deduct	-4.34	
For >1,000, Deduct	-7.41	
For Mountable Or Rolled Curb And Gutter, Add	2.00	
32 16 13 13-0059 LF "A2-6 Modified" Concrete Curb And Gutter - Radius.....	39.22	14.60
For Up To 20, Add	26.33	
For >20 To 50, Add	14.57	
For >50 To 100, Add	5.88	
For >500 To 1,000, Deduct	-4.76	
For >1,000, Deduct	-8.12	
For Mountable Or Rolled Curb And Gutter, Add	2.18	
32 16 13 13-0060 LF "A2-6" Concrete Curb And Gutter - Straight.....	47.21	19.48
For Up To 20, Add	32.22	
For >20 To 50, Add	18.06	
For >50 To 100, Add	7.08	
For >500 To 1,000, Deduct	-6.26	
For >1,000, Deduct	-10.56	
For Mountable Or Rolled Curb And Gutter, Add	3.44	
32 16 13 13-0061 LF "A2-6" Concrete Curb And Gutter - Radius.....	59.13	21.91
For Up To 20, Add	39.86	
For >20 To 50, Add	22.12	
For >50 To 100, Add	8.87	
For >500 To 1,000, Deduct	-7.34	
For >1,000, Deduct	-12.48	
For Mountable Or Rolled Curb And Gutter, Add	3.54	
32 16 13 13-0062 LF "B-2" Concrete Curb And Gutter - Straight.....	56.80	21.31
For Up To 20, Add	38.34	
For >20 To 50, Add	21.30	
For >50 To 100, Add	8.52	
For >500 To 1,000, Deduct	-7.10	
For >1,000, Deduct	-12.07	
For Mountable Or Rolled Curb And Gutter, Add	3.48	
32 16 13 13-0063 LF "B-2" Concrete Curb And Gutter - Radius.....	58.37	21.31
For Up To 20, Add	39.28	
For >20 To 50, Add	21.77	
For >50 To 100, Add	8.76	
For >500 To 1,000, Deduct	-7.18	
For >1,000, Deduct	-12.23	
For Mountable Or Rolled Curb And Gutter, Add	3.39	
32 16 13 13-0064 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	34.10	14.60
For Up To 20, Add	23.02	
For >20 To 50, Add	12.79	
For >50 To 100, Add	5.12	
For >500 To 1,000, Deduct	-4.26	
For >1,000, Deduct	-7.25	
For Mountable Or Rolled Curb And Gutter, Add	2.09	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0065	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	36.98	19.48
			For Up To 20, Add	24.99	
			For >20 To 50, Add	13.89	
			For >50 To 100, Add	5.55	
			For >500 To 1,000, Deduct	-4.65	
			For >1,000, Deduct	-7.90	
			For Mountable Or Rolled Curb And Gutter, Add	2.31	
32 16 13 13-0066	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	42.65	16.19
			For Up To 20, Add	28.82	
			For >20 To 50, Add	16.02	
			For >50 To 100, Add	6.40	
			For >500 To 1,000, Deduct	-5.36	
			For >1,000, Deduct	-9.10	
			For Mountable Or Rolled Curb And Gutter, Add	2.65	
32 16 13 13-0067	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	46.89	18.02
			For Up To 20, Add	31.73	
			For >20 To 50, Add	17.66	
			For >50 To 100, Add	7.03	
			For >500 To 1,000, Deduct	-5.94	
			For >1,000, Deduct	-10.08	
			For Mountable Or Rolled Curb And Gutter, Add	2.99	
32 16 13 13-0068	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	51.18	19.48
			For Up To 20, Add	34.60	
			For >20 To 50, Add	19.25	
			For >50 To 100, Add	7.68	
			For >500 To 1,000, Deduct	-6.45	
			For >1,000, Deduct	-10.96	
			For Mountable Or Rolled Curb And Gutter, Add	3.22	
32 16 13 13-0069	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	56.78	21.91
			For Up To 20, Add	38.45	
			For >20 To 50, Add	21.41	
			For >50 To 100, Add	8.52	
			For >500 To 1,000, Deduct	-7.22	
			For >1,000, Deduct	-12.25	
			For Mountable Or Rolled Curb And Gutter, Add	3.67	
32 16 13 13-0070	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	60.35	23.13
			For Up To 20, Add	40.84	
			For >20 To 50, Add	22.73	
			For >50 To 100, Add	9.05	
			For >500 To 1,000, Deduct	-7.64	
			For >1,000, Deduct	-12.97	
			For Mountable Or Rolled Curb And Gutter, Add	3.85	
32 16 13 13-0071	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	66.11	25.56
			For Up To 20, Add	44.78	
			For >20 To 50, Add	24.95	
			For >50 To 100, Add	9.92	
			For >500 To 1,000, Deduct	-8.42	
			For >1,000, Deduct	-14.28	
			For Mountable Or Rolled Curb And Gutter, Add	4.29	
32 16 13 13-0072	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	69.50	26.78
			For Up To 20, Add	47.06	
			For >20 To 50, Add	26.21	
			For >50 To 100, Add	10.43	
			For >500 To 1,000, Deduct	-8.83	
			For >1,000, Deduct	-14.98	
			For Mountable Or Rolled Curb And Gutter, Add	4.48	
32 16 13 13-0073	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	75.42	29.21
			For Up To 20, Add	51.10	
			For >20 To 50, Add	28.47	
			For >50 To 100, Add	11.31	
			For >500 To 1,000, Deduct	-9.61	
			For >1,000, Deduct	-16.31	
			For Mountable Or Rolled Curb And Gutter, Add	4.91	
32 16 13 13-0074	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	78.66	30.43
			For Up To 20, Add	53.28	
			For >20 To 50, Add	29.68	
			For >50 To 100, Add	11.80	
			For >500 To 1,000, Deduct	-10.02	
			For >1,000, Deduct	-17.00	
			For Mountable Or Rolled Curb And Gutter, Add	5.11	
32 16 13 13-0075	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	87.16	34.08
			For Up To 20, Add	59.11	
			For >20 To 50, Add	32.97	
			For >50 To 100, Add	13.07	
			For >500 To 1,000, Deduct	-11.18	
			For >1,000, Deduct	-18.94	
			For Mountable Or Rolled Curb And Gutter, Add	5.77	

32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002 EA Minimum Set-up Charge For Machine Formed Concrete Curb (One Time Per Job) 1,617.36

Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Curbs, Gutters, Sidewalks, and Driveways			32 16

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed.....	13.96	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed.....	18.94	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed.....	18.45	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed.....	24.29	

32 16 13 16**Steel Faced Curbs** (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001**Sidewalk/Curb Facing** (32 16 13 16)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	16.10	5.61
		<i>For Curved Section, Add</i>	3.71	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	17.78	6.38
		<i>For Curved Section, Add</i>	4.17	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	23.61	7.14
		<i>For Curved Section, Add</i>	5.05	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	28.77	8.03
		<i>For Curved Section, Add</i>	5.87	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	34.94	8.80
		<i>For Curved Section, Add</i>	6.78	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	45.61	11.23
		<i>For Curved Section, Add</i>	8.75	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	53.00	14.53
		<i>For Curved Section, Add</i>	10.73	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	161.81	
32 16 13 16-0010	EA	Pedestrian/Handicap Ramp, Complete.....	154.68	

32 16 13 19**Cast-In-Place Concrete Drainage Ditches** (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001**Valley Gutter, Cast In Place** (32 16 13 19)

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	24.65	
		<i>For Up To 20, Add</i>	11.39	
		<i>For >20 To 50, Add</i>	6.34	
		<i>For >50 To 100, Add</i>	2.52	
		<i>For >500 To 1,000, Deduct</i>	-2.52	
		<i>For >1,000, Deduct</i>	-4.40	
32 16 13 19-0003	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	30.21	
		<i>For Up To 20, Add</i>	13.82	
		<i>For >20 To 50, Add</i>	7.69	
		<i>For >50 To 100, Add</i>	3.07	
		<i>For >500 To 1,000, Deduct</i>	-3.07	
		<i>For >1,000, Deduct</i>	-5.35	
32 16 13 19-0004	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	35.73	
		<i>For Up To 20, Add</i>	16.21	
		<i>For >20 To 50, Add</i>	9.01	
		<i>For >50 To 100, Add</i>	3.60	
		<i>For >500 To 1,000, Deduct</i>	-3.60	
		<i>For >1,000, Deduct</i>	-6.29	
32 16 13 19-0005	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	41.20	
		<i>For Up To 20, Add</i>	18.58	
		<i>For >20 To 50, Add</i>	10.32	
		<i>For >50 To 100, Add</i>	4.13	
		<i>For >500 To 1,000, Deduct</i>	-4.13	
		<i>For >1,000, Deduct</i>	-7.22	
32 16 13 19-0006	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	46.70	
		<i>For Up To 20, Add</i>	20.96	
		<i>For >20 To 50, Add</i>	11.64	
		<i>For >50 To 100, Add</i>	4.66	
		<i>For >500 To 1,000, Deduct</i>	-4.66	
		<i>For >1,000, Deduct</i>	-8.16	
32 16 13 19-0007	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	55.47	
		<i>For Up To 20, Add</i>	24.16	
		<i>For >20 To 50, Add</i>	13.39	
		<i>For >50 To 100, Add</i>	5.39	
		<i>For >500 To 1,000, Deduct</i>	-5.39	
		<i>For >1,000, Deduct</i>	-9.47	
32 16 13 19-0008	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	63.90	
		<i>For Up To 20, Add</i>	27.14	
		<i>For >20 To 50, Add</i>	15.00	
		<i>For >50 To 100, Add</i>	6.07	
		<i>For >500 To 1,000, Deduct</i>	-6.07	
		<i>For >1,000, Deduct</i>	-10.70	
32 16 13 19-0009	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	10.64	
		<i>For Up To 100, Add</i>	4.52	
		<i>For >100 To 250, Add</i>	2.50	
		<i>For >250 To 500, Add</i>	1.01	
		<i>For >2,500 To 5,000, Deduct</i>	-1.01	
		<i>For >5,000, Deduct</i>	-1.78	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0010 LF 2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	27.11	
For Up To 20, Add	12.23	
For >20 To 50, Add	6.79	
For >50 To 100, Add	2.72	
For >500 To 1,000, Deduct	-2.72	
For >1,000, Deduct	-4.75	
32 16 13 19-0011 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	33.48	
For Up To 20, Add	15.00	
For >20 To 50, Add	8.33	
For >50 To 100, Add	3.34	
For >500 To 1,000, Deduct	-3.34	
For >1,000, Deduct	-5.84	
32 16 13 19-0012 LF 3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	39.37	
For Up To 20, Add	17.43	
For >20 To 50, Add	9.67	
For >50 To 100, Add	3.88	
For >500 To 1,000, Deduct	-3.88	
For >1,000, Deduct	-6.81	
32 16 13 19-0013 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	45.45	
For Up To 20, Add	20.01	
For >20 To 50, Add	11.09	
For >50 To 100, Add	4.46	
For >500 To 1,000, Deduct	-4.46	
For >1,000, Deduct	-7.82	
32 16 13 19-0014 LF 4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	51.52	
For Up To 20, Add	22.57	
For >20 To 50, Add	12.51	
For >50 To 100, Add	5.03	
For >500 To 1,000, Deduct	-5.03	
For >1,000, Deduct	-8.83	
32 16 13 19-0015 LF 5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	61.32	
For Up To 20, Add	26.05	
For >20 To 50, Add	14.41	
For >50 To 100, Add	5.82	
For >500 To 1,000, Deduct	-5.82	
For >1,000, Deduct	-10.27	
32 16 13 19-0016 LF 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	70.79	
For Up To 20, Add	29.31	
For >20 To 50, Add	16.17	
For >50 To 100, Add	6.57	
For >500 To 1,000, Deduct	-6.57	
For >1,000, Deduct	-11.62	
32 16 13 19-0017 SF >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	11.80	
For Up To 100, Add	4.89	
For >100 To 250, Add	2.70	
For >250 To 500, Add	1.10	
For >2,500 To 5,000, Deduct	-1.10	
For >5,000, Deduct	-1.94	
32 16 13 19-0018 LF 2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	27.28	
For Up To 20, Add	12.62	
For >20 To 50, Add	7.02	
For >50 To 100, Add	2.80	
For >500 To 1,000, Deduct	-2.80	
For >1,000, Deduct	-4.88	
32 16 13 19-0019 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	33.47	
For Up To 20, Add	15.33	
For >20 To 50, Add	8.53	
For >50 To 100, Add	3.40	
For >500 To 1,000, Deduct	-3.40	
For >1,000, Deduct	-5.94	
32 16 13 19-0020 LF 3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	39.56	
For Up To 20, Add	17.97	
For >20 To 50, Add	9.99	
For >50 To 100, Add	3.99	
For >500 To 1,000, Deduct	-3.99	
For >1,000, Deduct	-6.97	
32 16 13 19-0021 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	45.65	
For Up To 20, Add	20.62	
For >20 To 50, Add	11.46	
For >50 To 100, Add	4.58	
For >500 To 1,000, Deduct	-4.58	
For >1,000, Deduct	-8.01	
32 16 13 19-0022 LF 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	51.75	
For Up To 20, Add	23.27	
For >20 To 50, Add	12.92	
For >50 To 100, Add	5.17	
For >500 To 1,000, Deduct	-5.17	
For >1,000, Deduct	-9.05	
32 16 13 19-0023 LF 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	61.45	
32 16 13 19-0024 LF 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	70.78	
32 16 13 19-0025 SF >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	11.80	
For Up To 100, Add	5.02	
For >100 To 250, Add	2.78	
For >250 To 500, Add	1.12	
For >2,500 To 5,000, Deduct	-1.12	
For >5,000, Deduct	-1.98	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Curbs, Gutters, Sidewalks, and Driveways		32 16

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0026		Gutter Intersections (32 16 13 19) Note: Assembly includes installation, concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0027	EA	Cast In Place Concrete Cross Gutter At T Section	1,235.45	
32 16 13 19-0028	EA	8' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter	1,489.95	
32 16 13 19-0029	EA	10' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter.....	2,328.04	
32 16 13 19-0030	EA	15' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter.....	5,238.09	
32 16 13 19-0031	EA	20' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter.....	9,312.16	
32 16 13 19-0032	EA	25' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter.....	14,550.26	
32 16 13 19-0033	EA	30' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter.....	20,952.36	
32 16 13 19-0034		Driveway Approach, Cast In Place (32 16 13 19) Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0035	SF	4 Cast In Place Concrete Driveway Approach.....	15.42	
		For Up To 100, Add	6.92	
		For >100 To 500, Add	2.00	
		For >2,000 To 5,000, Deduct	-0.92	
		For >5,000 To 10,000, Deduct	-2.00	
32 16 13 19-0036	SF	6" Cast In Place Concrete Driveway Approach.....	21.11	
		For Up To 100, Add	9.45	
		For >100 To 500, Add	2.73	
		For >2,000 To 5,000, Deduct	-1.25	
		For >5,000 To 10,000, Deduct	-2.73	
32 16 13 23		Precast Concrete Curbs and Gutters (32 16 13) 32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)		
32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb.....	46.62	10.84
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius.....	55.70	12.46
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb.....	49.47	10.84
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius.....	59.47	12.46
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb.....	50.78	10.84
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius.....	60.97	12.46
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb.....	54.01	10.84
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius.....	65.07	12.46
32 16 13 33		Asphalt Curbs (32 16 13) 32 16 13 33-0001 Asphalt Curbs (32 16 13 33)		
32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain.....	13.88	5.74
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain.....	15.61	6.38
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain.....	17.21	7.02
32 16 13 43		Stone Curbs (32 16 13) 32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43) Note: Includes storage and cleaning.		
32 16 13 43-0002	LF	Removal And Resetting Of Stone Or Precast Curbing	40.31	
		Note: Includes storage and cleaning.		
32 16 23		Sidewalks (32 16) 32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies (32 16 23) Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	9.98	
		For Up To 100, Add	4.29	
		For >100 To 500, Add	1.22	
		For 3,500 PSI Concrete, Add	0.13	
		For 4,000 PSI Concrete, Add	0.22	
		For 4,500 PSI Concrete, Add	0.26	
		For Welded Wire Reinforcement, Add	0.88	
		For >2,000 To 5,000, Deduct	-0.54	
		For >5,000 To 10,000, Deduct	-1.22	
		For >10,000 To 20,000, Deduct	-1.65	
		For >20,000, Deduct	-2.08	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0003 SF 5" Cast In Place Concrete Sidewalk	10.86	
For Up To 100, Add	4.58	
For >100 To 500, Add	1.29	
For 3,500 PSI Concrete, Add	0.16	
For 4,000 PSI Concrete, Add	0.27	
For 4,500 PSI Concrete, Add	0.32	
For Welded Wire Reinforcement, Add	0.88	
For >2,000 To 5,000, Deduct	-0.56	
For >5,000 To 10,000, Deduct	-1.29	
For >10,000 To 20,000, Deduct	-1.75	
For >20,000, Deduct	-2.20	
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk	11.77	
For Up To 100, Add	4.87	
For >100 To 500, Add	1.36	
For 3,500 PSI Concrete, Add	0.19	
For 4,000 PSI Concrete, Add	0.32	
For 4,500 PSI Concrete, Add	0.38	
For Welded Wire Reinforcement, Add	0.88	
For >2,000 To 5,000, Deduct	-0.58	
For >5,000 To 10,000, Deduct	-1.36	
For >10,000 To 20,000, Deduct	-1.85	
For >20,000, Deduct	-2.34	
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk	13.66	
For Up To 100, Add	5.60	
For >100 To 500, Add	1.56	
For 3,500 PSI Concrete, Add	0.23	
For 4,000 PSI Concrete, Add	0.39	
For 4,500 PSI Concrete, Add	0.46	
For Welded Wire Reinforcement, Add	0.88	
For >2,000 To 5,000, Deduct	-0.66	
For >5,000 To 10,000, Deduct	-1.56	
For >10,000 To 20,000, Deduct	-2.12	
For >20,000, Deduct	-2.68	
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk	14.44	
For Up To 100, Add	5.84	
For >100 To 500, Add	1.61	
For 3,500 PSI Concrete, Add	0.25	
For 4,000 PSI Concrete, Add	0.44	
For 4,500 PSI Concrete, Add	0.51	
For Welded Wire Reinforcement, Add	0.88	
For >2,000 To 5,000, Deduct	-0.67	
For >5,000 To 10,000, Deduct	-1.61	
For >10,000 To 20,000, Deduct	-2.20	
For >20,000, Deduct	-2.78	
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk	2.78	
32 16 23 00-0008 EA Finish Concrete Handicap Drop Section In Sidewalk	166.99	
Note: Excludes patterned (tactile) finish.		
32 16 23 00-0009 LF For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.78	
32 16 23 00-0010 Bituminous Sidewalk Assemblies (32 16 23)		
Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0011 SY 1" Bituminous Sidewalk	9.95	
For Up To 100, Add	3.76	
For >100 To 500, Add	1.00	
For >1,000 To 5,000, Deduct	-0.51	
For >5,000, Deduct	-1.00	
32 16 23 00-0012 SY 1-1/2" Bituminous Sidewalk	12.47	
For Up To 100, Add	4.64	
For >100 To 500, Add	1.23	
For >1,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-1.23	
32 16 23 00-0013 SY 2" Bituminous Sidewalk	17.28	
For Up To 100, Add	6.21	
For >100 To 500, Add	1.62	
For >1,000 To 5,000, Deduct	-0.76	
For >5,000, Deduct	-1.62	
32 16 23 00-0014 SY 2-1/2" Bituminous Sidewalk	21.59	
For Up To 100, Add	7.74	
For >100 To 500, Add	2.02	
For >1,000 To 5,000, Deduct	-0.94	
For >5,000, Deduct	-2.02	
32 16 23 00-0015 SY 3" Bituminous Sidewalk	24.83	
For Up To 100, Add	8.75	
For >100 To 500, Add	2.26	
For >1,000 To 5,000, Deduct	-1.02	
For >5,000, Deduct	-2.26	
32 16 23 00-0016 SY 3-1/2" Bituminous Sidewalk	28.66	
For Up To 100, Add	9.96	
For >100 To 500, Add	2.55	
For >1,000 To 5,000, Deduct	-1.12	
For >5,000, Deduct	-2.55	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Curbs, Gutters, Sidewalks, and Driveways		32 16

32

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
32 16 43 Asphalt Dike (32 16)				
32 16 43 00-0001 Asphalt Dike (32 16 43)				
32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.33	
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	10.03	
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	10.03	
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	14.32	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	16.96	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.90	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.39	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	16.05	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	7.33	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.90	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	16.05	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.39	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height	5.70	
32 17 Paving Specialties (32 10)				
32 17 13 Parking Bumpers (32 17)				
Note: Includes dowels set.				
32 17 13 16 Plastic Parking Bumpers (32 17 13)				
32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	197.79	7.75
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	224.14	7.75
32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)				
32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	75.93	23.35
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	86.52	23.35
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	90.21	23.35
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	94.48	23.35
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels.....	88.14	23.35
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	111.65	23.35
32 17 13 19-0007	EA	8" x 12" x 8' Precast Concrete Wheel Stop With Dowels.....	127.18	25.21
32 17 13 19-0008	EA	Removal And Relocation Of Precast Concrete Wheel Stop	37.36	
32 17 13 19-0009	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	24.29	
32 17 13 19-0010	EA	7.625" x 7.625" x 6' Precast Concrete Wheel Stop.....	127.22	23.35
32 17 13 19-0011	EA	7.625" x 7.625" x 8' Precast Concrete Wheel Stop	189.21	23.35
32 17 13 23 Rubber Parking Bumpers (32 17 13)				
32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	32.26	7.75
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	37.45	7.75
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	39.53	7.75
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	42.65	7.75
32 17 13 26 Wood Parking Bumpers (32 17 13)				
32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.62	1.87
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	13.75	1.87
32 17 16 Manufactured Traffic-Calming Devices (32 17)				
32 17 16 00-0001 Modular Rubber Speed Tables (32 17 16)				
Note: 3" high flat-topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.				
32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	71.98	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	62.88	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	58.98	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	68.87	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	60.54	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	57.09	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	65.75	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	58.70	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	55.53	
32 17 16 00-0011		Asphalt Speed Table (32 17 16) Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012	LF	Up to 36" Run, Asphalt Speed Table With 3" Center Crown..... Note: Tapered on edges to roadway.	39.52	
32 17 16 00-0013	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown..... Note: Tapered on edges to roadway.	46.60	
32 17 16 00-0014	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown..... Note: Tapered on edges to roadway.	49.63	
32 17 16 00-0015	LF	>36" To 48" Run, Asphalt Speed Table With 4" Center Crown..... Note: Tapered on edges to roadway.	58.57	
32 17 16 00-0016	LF	Up to 36" Run, Asphalt Speed Table With 6" Center Crown..... Note: Tapered on edges to roadway.	60.81	
32 17 16 00-0017	LF	>36" To 48" Run, Asphalt Speed Table With 6" Center Crown..... Note: Tapered on edges to roadway.	67.89	
32 17 16 00-0018		Speed Bumps (32 17 16) Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump.....	37.85	1.96
32 17 16 00-0020	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump.....	31.14	1.30
32 17 16 00-0021	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump.....	157.34	1.30
32 17 23		Pavement Markings (32 17)		
32 17 23 13		Painted Pavement Markings (32 17 23)		
32 17 23 13-0001		Minimum Charge For Pavement Striping (32 17 23 13)		
32 17 23 13-0002	EA	Minimum Charge For Pavement Striping.....	459.11	
32 17 23 13-0003		Pavement Striping, Letters, Symbols And Markers for Roads And Airports (32 17 23 13) Note: Includes primers, adhesive and reflective glass beads. For broken line quantities use total lane length. Per Coat.		
32 17 23 13-0004		Painted Epoxy Reflective Pavement Marking (32 17 23 13-0003) Note: 15 mil thickness.		
32 17 23 13-0005	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line (25% Solid), Deduct	0.58 0.12 0.12 -0.09 -0.25	
32 17 23 13-0006	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line (25% Solid), Deduct	0.79 0.18 0.16 -0.12 -0.37	
32 17 23 13-0007	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line (25% Solid), Deduct	0.97 0.21 0.19 -0.15 -0.44	
32 17 23 13-0008	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line (25% Solid), Deduct	1.47 0.35 0.29 -0.22 -0.72	
32 17 23 13-0009	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line On One Side, Deduct For Double Broken Line, Deduct	0.89 0.23 0.18 -0.13 -0.24 -0.48	
32 17 23 13-0010	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line On One Side, Deduct For Double Broken Line, Deduct	1.27 0.34 0.25 -0.19 -0.36 -0.73	
32 17 23 13-0011	SF	Solid Area, Epoxy Reflective Pavement Marking..... Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	8.72	
32 17 23 13-0012	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking..... For 20 Mil Thickness, Add For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	5.43 0.96 0.48 0.71 -0.35 -0.47 -0.94	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Paving Specialties		32 17

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0013	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	9.77	
		For 20 Mil Thickness, Add	1.24	
		For <10, Add	1.07	
		For >50 To 100, Deduct	-0.53	
		For >100 To 200, Deduct	-0.71	
		For >200, Deduct	-1.42	
32 17 23 13-0014	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	16.46	
		For 20 Mil Thickness, Add	2.14	
		For <10, Add	1.77	
		For >50 To 100, Deduct	-0.89	
		For >100 To 200, Deduct	-1.18	
		For >200, Deduct	-2.36	
32 17 23 13-0015	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	31.79	
		For 20 Mil Thickness, Add	3.90	
		For <10, Add	3.54	
		For >50 To 100, Deduct	-1.77	
		For >100 To 200, Deduct	-2.36	
		For >200, Deduct	-4.73	
32 17 23 13-0016	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	37.12	
		For 20 Mil Thickness, Add	4.86	
		For <10, Add	3.98	
		For >50 To 100, Deduct	-1.99	
		For >100 To 200, Deduct	-2.65	
		For >200, Deduct	-5.30	
32 17 23 13-0017	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	66.55	
		For 20 Mil Thickness, Add	8.82	
		For <10, Add	7.08	
		For >50 To 100, Deduct	-3.54	
		For >100 To 200, Deduct	-4.72	
		For >200, Deduct	-9.43	
32 17 23 13-0018	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	88.84	
		For 20 Mil Thickness, Add	11.67	
		For <10, Add	9.50	
		For >50 To 100, Deduct	-4.75	
		For >100 To 200, Deduct	-6.33	
		For >200, Deduct	-12.67	
32 17 23 13-0019	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	135.41	
		For 20 Mil Thickness, Add	22.89	
		For <10, Add	11.78	
		For >50 To 100, Deduct	-5.89	
		For >100 To 200, Deduct	-7.85	
		For >200, Deduct	-15.70	
32 17 23 13-0020	SF	Letter/Number, Epoxy Reflective Pavement Marking.....	8.96	
		For 20 Mil Thickness, Add	0.97	
32 17 23 13-0021	SF	Symbols, Epoxy Reflective Pavement Marking.....	11.36	
		Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0022	EA	Bike Lane Symbol, Epoxy Reflective Pavement Marking.....	150.54	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For 20 Mil Thickness, Add	24.17	
32 17 23 13-0023	EA	Railroad Crossing Symbol, Epoxy Reflective Pavement Marking.....	523.22	
		Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
		For 20 Mil Thickness, Add	109.37	
32 17 23 13-0024	EA	Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking.....	175.10	
		Note: Approximate overall dimensions: 3' width x 12' height.		
		For 20 Mil Thickness, Add	27.48	
32 17 23 13-0025	EA	Through Lane Arrow, Epoxy Reflective Pavement Marking.....	190.94	
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
		For 20 Mil Thickness, Add	27.75	
32 17 23 13-0026	EA	Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	214.81	
		Note: Approximate overall dimensions: 6' width x 8' height.		
		For 20 Mil Thickness, Add	35.70	
32 17 23 13-0027	EA	Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	296.96	
		Note: Approximate overall dimensions: 11' width x 8' height.		
		For 20 Mil Thickness, Add	60.62	
32 17 23 13-0028	EA	Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	302.47	
		Note: Approximate overall dimensions: 7' width x 13' height.		
		For 20 Mil Thickness, Add	62.45	
32 17 23 13-0029	EA	Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	387.83	
		Note: Approximate overall dimensions: 9' width x 15' height.		
		For 20 Mil Thickness, Add	89.60	
32 17 23 13-0030	EA	Lane-Reduction Arrow, Epoxy Reflective Pavement Marking.....	328.49	
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
		For 20 Mil Thickness, Add	67.22	
32 17 23 13-0031	EA	Wrong-Way Arrow, Epoxy Reflective Pavement Marking.....	306.27	
		Note: Approximate overall dimensions: 6' width x 24' height.		
		For 20 Mil Thickness, Add	62.42	
32 17 23 13-0032	EA	Diverge Arrow, Epoxy Reflective Pavement Marking.....	302.47	
		Note: Approximate overall dimensions: 7' width x 13' height.		
		For 20 Mil Thickness, Add	62.45	
32 17 23 13-0033	EA	Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking.....	185.75	
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
		For 20 Mil Thickness, Add	19.65	
32 17 23 13-0034	EA	Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	215.27	
		Note: Approximate overall dimensions: 3' width x 12' height.		
		For 20 Mil Thickness, Add	29.49	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0035 EA Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking 254.57 Note: Approximate overall dimensions: 5-1/2' width x 12' height. For 20 Mil Thickness, Add 39.34		
32 17 23 13-0036 EA Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking 258.28 Note: Approximate overall dimensions: 3-1/2' width x 20' height. For 20 Mil Thickness, Add 40.57		
32 17 23 13-0037 EA Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....369.48 Note: Approximate overall dimensions: 3-1/2' width x 20' height. For 20 Mil Thickness, Add 75.68		
32 17 23 13-0038 EA Through Lane Arrow, Epoxy Reflective Pavement Marking (Federal) 324.42 Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0039 EA Turn Lane Arrow, Epoxy Reflective Pavement Marking (Federal) 408.99 Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0040 EA Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking (Federal).....593.15 Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0041 EA Lane-Reduction Arrow, Epoxy Reflective Pavement Marking (Federal) 598.73 Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 13-0042 EA Diverge Arrow, Epoxy Reflective Pavement Marking (Federal) 593.15 Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0043 Painted Alkyd/Solvent Based/Latex Reflective Pavement Marking (32 17 23 13-0003) Note: 15 mil thickness.		
32 17 23 13-0044 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....0.34 Note: Includes solvent based and latex paints. For Up To 5,000 LF, Add 0.07 For >25,000 LF, Deduct -0.05 For Broken Line (25% Solid), Deduct -0.07		
32 17 23 13-0045 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....0.43 Note: Includes solvent based and latex paints. For Up To 5,000 LF, Add 0.09 For >25,000 LF, Deduct -0.06 For Broken Line (25% Solid), Deduct -0.10		
32 17 23 13-0046 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....0.55 Note: Includes solvent based and latex paints. For Up To 5,000 LF, Add 0.11 For >25,000 LF, Deduct -0.08 For Broken Line (25% Solid), Deduct -0.12		
32 17 23 13-0047 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....0.75 Note: Includes solvent based and latex paints. For Up To 5,000 LF, Add 0.15 For >25,000 LF, Deduct -0.11 For Broken Line (25% Solid), Deduct -0.18		
32 17 23 13-0048 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....0.49 For Up To 5,000 LF, Add 0.10 For >25,000 LF, Deduct -0.07 For Broken Line On One Side, Deduct -0.06 For Double Broken Line, Deduct -0.12		
32 17 23 13-0049 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....0.74 For Up To 5,000 LF, Add 0.15 For >25,000 LF, Deduct -0.11 For Broken Line On One Side, Deduct -0.09 For Double Broken Line, Deduct -0.18		
32 17 23 13-0050 SF Solid Area, Painted Reflective Pavement Striping 7.12 Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0051 EA 6" (15 cm) High, Letter/Number, Painted Reflective Pavement Marking.....5.14 Note: Includes solvent based and latex paints. For <10, Add 0.71 For >50 To 100, Deduct -0.35 For >100 To 200, Deduct -0.47 For >200, Deduct -0.94		
32 17 23 13-0052 EA 12" (31 cm) High, Letter/Number, Painted Reflective Pavement Marking.....8.73 Note: Includes solvent based and latex paints. For <10, Add 1.07 For >50 To 100, Deduct -0.53 For >100 To 200, Deduct -0.71 For >200, Deduct -1.42		
32 17 23 13-0053 EA 24" (61 cm) High, Letter/Number, Painted Reflective Pavement Marking.....14.63 Note: Includes solvent based and latex paints. For <10, Add 1.77 For >50 To 100, Deduct -0.89 For >100 To 200, Deduct -1.18 For >200, Deduct -2.36		
32 17 23 13-0054 EA 36" (91 cm) High, Letter/Number, Painted Reflective Pavement Marking.....28.58 Note: Includes solvent based and latex paints. For <10, Add 3.54 For >50 To 100, Deduct -1.77 For >100 To 200, Deduct -2.36 For >200, Deduct -4.73		
32 17 23 13-0055 EA 48" (122 cm) High, Letter/Number, Painted Reflective Pavement Marking.....32.94 Note: Includes solvent based and latex paints. For <10, Add 3.98 For >50 To 100, Deduct -1.99 For >100 To 200, Deduct -2.65 For >200, Deduct -5.30		



Exterior Improvements		32	32
Bases, Ballasts, and Paving		32 10	
Paving Specialties		32 17	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0056	EA	72" (183 cm) High, Letter/Number, Painted Reflective Pavement Marking..... Note: Includes solvent based and latex paints. For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	58.92 7.08 -3.54 -4.72 -9.43	
32 17 23 13-0057	EA	96" (244 cm) High, Letter/Number, Painted Reflective Pavement Marking..... Note: Includes solvent based and latex paints. For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	78.80 9.50 -4.75 -6.33 -12.67	
32 17 23 13-0058	EA	120" (305 cm) High, Letter/Number, Painted Reflective Pavement Marking..... Note: Includes solvent based and latex paints. For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	112.99 11.77 -5.89 -7.85 -15.70	
32 17 23 13-0059	SF	Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	8.23	
32 17 23 13-0060	SF	Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.	9.83	
32 17 23 13-0061	EA	Railroad Crossing Symbol, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	407.58	
32 17 23 13-0062	EA	Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	149.08	
32 17 23 13-0063	EA	Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	165.64	
32 17 23 13-0064	EA	Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	180.11	
32 17 23 13-0065	EA	Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	233.35	
32 17 23 13-0066	EA	Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	236.69	
32 17 23 13-0067	EA	Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	290.25	
32 17 23 13-0068	EA	Lane-Reduction Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	259.36	
32 17 23 13-0069	EA	Wrong-Way Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 6' width x 24' height.	300.27	
32 17 23 13-0070	EA	Diverge Arrow, Painted Reflective Pavement Marking (Federal)..... Note: Approximate overall dimensions: 7' width x 13' height.	461.60	
32 17 23 13-0071	EA	Diverge Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	236.69	
32 17 23 13-0072	EA	Bike Lane Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	127.42	
32 17 23 13-0073	EA	Elongated Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	171.35	
32 17 23 13-0074	EA	Elongated Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	189.25	
32 17 23 13-0075	EA	Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 5-1/2' width x 12' height.	234.11	
32 17 23 13-0076	EA	Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 3-1/2' width x 20' height.	238.56	
32 17 23 13-0077	EA	Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	289.97	
32 17 23 13-0078	EA	Through Lane Arrow, Painted Reflective Pavement Marking (Federal) Note: Approximate overall dimensions: 3-1/2' width x 10' height.	273.83	
32 17 23 13-0079	EA	Turn Lane Arrow, Painted Reflective Pavement Marking (Federal)..... Note: Approximate overall dimensions: 6' width x 8' height.	339.61	
32 17 23 13-0080	EA	Turn And Through Lane Arrow, Painted Reflective Pavement Marking (Federal) Note: Approximate overall dimensions: 7' width x 13' height.	461.60	
32 17 23 13-0081	EA	Lane-Reduction Arrow, Painted Reflective Pavement Marking (Federal)..... Note: Approximate overall dimensions: 5-1/2' width x 18' height.	455.62	
32 17 23 13-0082		Painted Thermoplastic Reflective Pavement Marking (32 17 23 13-0003) Note: 40 mil thickness.		
32 17 23 13-0083	LF	Single 4" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line (25% Solid), Deduct For 30 mils Thick, Deduct For 45 mils Thick, Add For Enhanced Wet-Night Visibility, Add	0.75 0.15 -0.11 -0.38 -0.13 0.06 0.04	
32 17 23 13-0084	LF	Single 6" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line (25% Solid), Deduct For 30 mils Thick, Deduct For 45 mils Thick, Add For Enhanced Wet-Night Visibility, Add	1.02 0.20 -0.15 -0.54 -0.18 0.09 0.06	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0085	LF		Single 8" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping 1.37 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.27	
			For >25,000 LF, Deduct	-0.21	
			For Broken Line (25% Solid), Deduct	-0.74	
			For 30 mils Thick, Deduct	-0.25	
			For 45 mils Thick, Add	0.12	
			For Enhanced Wet-Night Visibility, Add	0.08	
32 17 23 13-0086	LF		Single 12" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping 1.99 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.40	
			For >25,000 LF, Deduct	-0.30	
			For Broken Line (25% Solid), Deduct	-1.11	
			For 30 mils Thick, Deduct	-0.37	
			For 45 mils Thick, Add	0.19	
			For Enhanced Wet-Night Visibility, Add	0.12	
32 17 23 13-0087	LF		Double 4" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping 1.32 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.26	
			For >25,000 LF, Deduct	-0.20	
			For Broken Line On One Side, Deduct	-0.37	
			For Double Broken Line, Deduct	-0.74	
			For 30 mils Thick, Deduct	-0.25	
			For 45 mils Thick, Add	0.12	
			For Enhanced Wet-Night Visibility, Add	0.08	
32 17 23 13-0088	LF		Double 6" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping 1.99 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.40	
			For >25,000 LF, Deduct	-0.30	
			For Broken Line On One Side, Deduct	-0.56	
			For Double Broken Line, Deduct	-1.11	
			For 30 mils Thick, Deduct	-0.37	
			For 45 mils Thick, Add	0.19	
			For Enhanced Wet-Night Visibility, Add	0.12	
32 17 23 13-0089	SF		Solid Area, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 8.36 Note: Includes yellow or white.		
			For 30 mils Thick, Deduct	-0.37	
			For 45 mils Thick, Add	0.19	
			For Enhanced Wet-Night Visibility, Add	0.12	
32 17 23 13-0090	EA		6" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 5.64		
			For Up To 10, Add	0.71	
			For >50 To 100, Deduct	-0.35	
			For >100 To 200, Deduct	-0.47	
			For >200, Deduct	-0.94	
			For 30 mils Thick, Deduct	-0.24	
			For 45 mils Thick, Add	0.12	
			For Enhanced Wet-Night Visibility, Add	0.08	
32 17 23 13-0091	EA		12" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 10.51		
			For Up To 10, Add	1.07	
			For >50 To 100, Deduct	-0.53	
			For >100 To 200, Deduct	-0.71	
			For >200, Deduct	-1.42	
			For 30 mils Thick, Deduct	-0.85	
			For 45 mils Thick, Add	0.42	
			For Enhanced Wet-Night Visibility, Add	0.28	
32 17 23 13-0092	EA		24" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 17.76		
			For Up To 10, Add	1.77	
			For >50 To 100, Deduct	-0.89	
			For >100 To 200, Deduct	-1.18	
			For >200, Deduct	-2.36	
			For 30 mils Thick, Deduct	-1.49	
			For 45 mils Thick, Add	0.74	
			For Enhanced Wet-Night Visibility, Add	0.49	
32 17 23 13-0093	EA		36" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 34.07		
			For Up To 10, Add	3.54	
			For >50 To 100, Deduct	-1.77	
			For >100 To 200, Deduct	-2.36	
			For >200, Deduct	-4.73	
			For 30 mils Thick, Deduct	-2.61	
			For 45 mils Thick, Add	1.31	
			For Enhanced Wet-Night Visibility, Add	0.86	
32 17 23 13-0094	EA		48" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 40.09		
			For Up To 10, Add	3.98	
			For >50 To 100, Deduct	-1.99	
			For >100 To 200, Deduct	-2.65	
			For >200, Deduct	-5.30	
			For 30 mils Thick, Deduct	-3.40	
			For 45 mils Thick, Add	1.70	
			For Enhanced Wet-Night Visibility, Add	1.12	
32 17 23 13-0095	EA		72" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 71.98		
			For Up To 10, Add	7.08	
			For >50 To 100, Deduct	-3.54	
			For >100 To 200, Deduct	-4.72	
			For >200, Deduct	-9.43	
			For 30 mils Thick, Deduct	-6.20	
			For 45 mils Thick, Add	3.10	
			For Enhanced Wet-Night Visibility, Add	2.05	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Paving Specialties		32 17

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0096 EA 96" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 95.98 For Up To 10, Add 9.50 For >50 To 100, Deduct -4.75 For >100 To 200, Deduct -6.33 For >200, Deduct -12.67 For 30 mils Thick, Deduct -8.16 For 45 mils Thick, Add 4.08 For Enhanced Wet-Night Visibility, Add 2.69		
32 17 23 13-0097 EA 120" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 151.35 For Up To 10, Add 11.78 For >50 To 100, Deduct -5.89 For >100 To 200, Deduct -7.85 For >200, Deduct -15.70 For 30 mils Thick, Deduct -18.21 For 45 mils Thick, Add 9.11 For Enhanced Wet-Night Visibility, Add 6.01		
32 17 23 13-0098 SF Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking.....9.47 For 30 mils Thick, Deduct -0.59 For 45 mils Thick, Add 0.29 For Enhanced Wet-Night Visibility, Add 0.19		
32 17 23 13-0099 SF Symbols, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 11.87 Note: Handicap, railroad, diamond, arrows, etc. For 30 mils Thick, Deduct -0.59 For 45 mils Thick, Add 0.29 For Enhanced Wet-Night Visibility, Add 0.19		
32 17 23 13-0100 Painted Thermoplastic Reflective Pavement Marking (CALTRANS) (32 17 23 13-0003)		
Note: 40 mil thickness.		
32 17 23 13-0101 LF CALTRANS Detail 1 Centerline, Painted Thermoplastic Reflective Pavement Striping 0.35 For Up To 5,000 LF, Add 0.07 For >25,000 LF, Deduct -0.05		
32 17 23 13-0102 LF CALTRANS Detail 2 Centerline, Painted Thermoplastic Reflective Pavement Striping 0.54 For Up To 5,000 LF, Add 0.11 For >25,000 LF, Deduct -0.08		
32 17 23 13-0103 LF CALTRANS Detail 5 Centerline, Painted Thermoplastic Reflective Pavement Striping 0.34 For Up To 5,000 LF, Add 0.07 For >25,000 LF, Deduct -0.05		
32 17 23 13-0104 LF CALTRANS Detail 6 Centerline, Painted Thermoplastic Reflective Pavement Striping 0.52 For Up To 5,000 LF, Add 0.10 For >25,000 LF, Deduct -0.08		
32 17 23 13-0105 LF CALTRANS Detail 8 Lanelines, Painted Thermoplastic Reflective Pavement Striping 0.35 For Up To 5,000 LF, Add 0.07 For >25,000 LF, Deduct -0.05		
32 17 23 13-0106 LF CALTRANS Detail 9 Lanelines, Painted Thermoplastic Reflective Pavement Striping 0.54 For Up To 5,000 LF, Add 0.11 For >25,000 LF, Deduct -0.08		
32 17 23 13-0107 LF CALTRANS Detail 11 Lanelines, Painted Thermoplastic Reflective Pavement Striping 0.34 For Up To 5,000 LF, Add 0.07 For >25,000 LF, Deduct -0.05		
32 17 23 13-0108 LF CALTRANS Detail 12 Lanelines, Painted Thermoplastic Reflective Pavement Striping 0.52 For Up To 5,000 LF, Add 0.10 For >25,000 LF, Deduct -0.08		
32 17 23 13-0109 LF CALTRANS Detail 14A Lanelines, Painted Thermoplastic Reflective Pavement Striping 0.52 For Up To 5,000 LF, Add 0.10 For >25,000 LF, Deduct -0.08		
32 17 23 13-0110 LF CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping 0.71 For Up To 5,000 LF, Add 0.14 For >25,000 LF, Deduct -0.11 For Broken Line On One Side, Deduct -0.17 For Double Broken Line, Deduct -0.35		
32 17 23 13-0111 LF CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping 1.44 For Up To 5,000 LF, Add 0.29 For >25,000 LF, Deduct -0.22		
32 17 23 13-0112 LF CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping 0.69 For Up To 5,000 LF, Add 0.14 For >25,000 LF, Deduct -0.10 For Broken Line On One Side, Deduct -0.17 For Double Broken Line, Deduct -0.33		
32 17 23 13-0113 LF CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping 1.24 For Up To 5,000 LF, Add 0.25 For >25,000 LF, Deduct -0.19		
32 17 23 13-0114 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping 0.96 For Up To 5,000 LF, Add 0.19 For >25,000 LF, Deduct -0.14 For Broken Line On One Side, Deduct -0.27 For Double Broken Line, Deduct -0.53		
32 17 23 13-0115 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping 1.69 For Up To 5,000 LF, Add 0.34 For >25,000 LF, Deduct -0.25		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0116	LF	CALTRANS Detail 24 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping.....	0.60	
		<i>For Up To 5,000 LF, Add</i>	0.12	
		<i>For >25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0117	LF	CALTRANS Detail 25 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping.....	0.79	
		<i>For Up To 5,000 LF, Add</i>	0.16	
		<i>For >25,000 LF, Deduct</i>	-0.12	
32 17 23 13-0118	LF	CALTRANS Detail 25A Left Edgelines, Painted Thermoplastic Reflective Pavement Striping	0.97	
		<i>For Up To 5,000 LF, Add</i>	0.19	
		<i>For >25,000 LF, Deduct</i>	-0.15	
32 17 23 13-0119	LF	CALTRANS Detail 27 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping.....	1.14	
		<i>For Up To 5,000 LF, Add</i>	0.23	
		<i>For >25,000 LF, Deduct</i>	-0.17	
32 17 23 13-0120	LF	CALTRANS Detail 27B Right Edgelines, Painted Thermoplastic Reflective Pavement Striping.....	0.60	
		<i>For Up To 5,000 LF, Add</i>	0.12	
		<i>For >25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0121	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Thermoplastic Reflective Pavement Striping	0.32	
		<i>For Up To 5,000 LF, Add</i>	0.06	
		<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0122	LF	CALTRANS Detail 28 Median Islands, Painted Thermoplastic Reflective Pavement Striping	0.75	
		<i>For Up To 5,000 LF, Add</i>	0.15	
		<i>For >25,000 LF, Deduct</i>	-0.11	
		<i>For Broken Line On One Side, Deduct</i>	-0.09	
		<i>For Double Broken Line, Deduct</i>	-0.18	
32 17 23 13-0123	LF	CALTRANS Detail 29 Median Islands, Painted Thermoplastic Reflective Pavement Striping	2.65	
		<i>For Up To 5,000 LF, Add</i>	0.53	
		<i>For >25,000 LF, Deduct</i>	-0.40	
32 17 23 13-0124	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Thermoplastic Reflective Pavement Striping	1.39	
		<i>For Up To 5,000 LF, Add</i>	0.28	
		<i>For >25,000 LF, Deduct</i>	-0.21	
		<i>For Broken Line On One Side, Deduct</i>	-0.33	
		<i>For Double Broken Line, Deduct</i>	-0.66	
32 17 23 13-0125	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Thermoplastic Reflective Pavement Striping	2.31	
		<i>For Up To 5,000 LF, Add</i>	0.46	
		<i>For >25,000 LF, Deduct</i>	-0.35	
32 17 23 13-0126	LF	CALTRANS Detail 34 Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping.....	1.24	
		<i>For Up To 5,000 LF, Add</i>	0.25	
		<i>For >25,000 LF, Deduct</i>	-0.19	
32 17 23 13-0127	LF	CALTRANS Detail 35 Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping.....	1.46	
		<i>For Up To 5,000 LF, Add</i>	0.29	
		<i>For >25,000 LF, Deduct</i>	-0.22	
32 17 23 13-0128	LF	CALTRANS Detail 35A Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping	0.71	
		<i>For Up To 5,000 LF, Add</i>	0.14	
		<i>For >25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0129	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Thermoplastic Reflective Pavement Striping	2.88	
		<i>For Up To 5,000 LF, Add</i>	0.58	
		<i>For >25,000 LF, Deduct</i>	-0.43	
32 17 23 13-0130	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Thermoplastic Reflective Pavement Striping	1.69	
		<i>For Up To 5,000 LF, Add</i>	0.34	
		<i>For >25,000 LF, Deduct</i>	-0.25	
32 17 23 13-0131	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Thermoplastic Reflective Pavement Striping.....	2.03	
		<i>For Up To 5,000 LF, Add</i>	0.41	
		<i>For >25,000 LF, Deduct</i>	-0.30	
32 17 23 13-0132	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Thermoplastic Reflective Pavement Striping.....	1.27	
		<i>For Up To 5,000 LF, Add</i>	0.25	
		<i>For >25,000 LF, Deduct</i>	-0.19	
32 17 23 13-0133	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Thermoplastic Reflective Pavement Striping.....	1.27	
		<i>For Up To 5,000 LF, Add</i>	0.25	
		<i>For >25,000 LF, Deduct</i>	-0.19	
32 17 23 13-0134	LF	CALTRANS Detail 38 Channelizing Line, Painted Thermoplastic Reflective Pavement Striping.....	1.59	
		<i>For Up To 5,000 LF, Add</i>	0.32	
		<i>For >25,000 LF, Deduct</i>	-0.24	
32 17 23 13-0135	LF	CALTRANS Detail 38A Channelizing Line, Painted Thermoplastic Reflective Pavement Striping	1.23	
		<i>For Up To 5,000 LF, Add</i>	0.25	
		<i>For >25,000 LF, Deduct</i>	-0.18	
32 17 23 13-0136	LF	CALTRANS Detail 38B Channelizing Line, Painted Thermoplastic Reflective Pavement Striping	1.96	
		<i>For Up To 5,000 LF, Add</i>	0.39	
		<i>For >25,000 LF, Deduct</i>	-0.29	
32 17 23 13-0137	LF	CALTRANS Detail 39 Bike Lane Line, Painted Thermoplastic Reflective Pavement Striping.....	0.81	
		<i>For Up To 5,000 LF, Add</i>	0.16	
		<i>For >25,000 LF, Deduct</i>	-0.12	
32 17 23 13-0138	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Thermoplastic Reflective Pavement Striping.....	0.47	
		<i>For Up To 5,000 LF, Add</i>	0.09	
		<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0139	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Thermoplastic Reflective Pavement Striping	0.30	
		<i>For Up To 5,000 LF, Add</i>	0.06	
		<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0140	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Thermoplastic Reflective Pavement Striping	0.30	
		<i>For Up To 5,000 LF, Add</i>	0.06	
		<i>For >25,000 LF, Deduct</i>	-0.05	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Paving Specialties		32 17

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0141 EA CALTRANS 10' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking.....	141.79	
For <10, Add	17.21	
For >50 To 100, Deduct	-8.61	
For >100 To 200, Deduct	-11.48	
For >200, Deduct	-22.95	
32 17 23 13-0142 EA CALTRANS 18' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking.....	249.07	
For <10, Add	30.12	
For >50 To 100, Deduct	-15.06	
For >100 To 200, Deduct	-20.08	
For >200, Deduct	-40.16	
32 17 23 13-0143 EA CALTRANS 24' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking.....	312.31	
For <10, Add	37.87	
For >50 To 100, Deduct	-18.93	
For >100 To 200, Deduct	-25.25	
For >200, Deduct	-50.49	
32 17 23 13-0144 EA CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Thermoplastic Reflective Pavement Marking.....	454.08	
For <10, Add	55.08	
For >50 To 100, Deduct	-27.54	
For >100 To 200, Deduct	-36.72	
For >200, Deduct	-73.44	
32 17 23 13-0145 EA CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Thermoplastic Reflective Pavement Marking.....	562.57	
For <10, Add	72.29	
For >50 To 100, Deduct	-36.15	
For >100 To 200, Deduct	-48.20	
For >200, Deduct	-96.39	
32 17 23 13-0146 EA CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Thermoplastic Reflective Pavement Marking.....	419.60	
For <10, Add	50.78	
For >50 To 100, Deduct	-25.39	
For >100 To 200, Deduct	-33.85	
For >200, Deduct	-67.70	
32 17 23 13-0147 EA CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Thermoplastic Reflective Pavement Marking.....	731.91	
For <10, Add	88.65	
For >50 To 100, Deduct	-44.32	
For >100 To 200, Deduct	-59.10	
For >200, Deduct	-118.20	
32 17 23 13-0148 EA CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Thermoplastic Reflective Pavement Marking.....	149.45	
For <10, Add	18.07	
For >50 To 100, Deduct	-9.04	
For >100 To 200, Deduct	-12.05	
For >200, Deduct	-24.10	
32 17 23 13-0149 EA CALTRANS 24' Arrow, Type V, Painted Thermoplastic Reflective Pavement Marking.....	327.64	
For <10, Add	39.59	
For >50 To 100, Deduct	-19.79	
For >100 To 200, Deduct	-26.39	
For >200, Deduct	-52.79	
32 17 23 13-0150 EA CALTRANS 18' Arrow, Type VI, Painted Thermoplastic Reflective Pavement Marking.....	419.60	
For <10, Add	50.78	
For >50 To 100, Deduct	-25.39	
For >100 To 200, Deduct	-33.85	
For >200, Deduct	-67.70	
32 17 23 13-0151 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Thermoplastic Reflective Pavement Marking.....	271.13	
For <10, Add	32.70	
For >50 To 100, Deduct	-16.35	
For >100 To 200, Deduct	-21.80	
For >200, Deduct	-43.61	
32 17 23 13-0152 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Thermoplastic Reflective Pavement Marking.....	356.38	
For <10, Add	43.03	
For >50 To 100, Deduct	-21.52	
For >100 To 200, Deduct	-28.69	
For >200, Deduct	-57.38	
32 17 23 13-0153 EA CALTRANS 5' Arrow, Bike Lane, Painted Thermoplastic Reflective Pavement Marking.....	70.89	
For <10, Add	8.61	
For >50 To 100, Deduct	-4.30	
For >100 To 200, Deduct	-5.74	
For >200, Deduct	-11.48	
32 17 23 13-0154 EA CALTRANS Railroad Crossing Symbol, Painted Thermoplastic Reflective Pavement Marking.....	680.22	
Note: Excludes variable width transverse lines.		
For <10, Add	81.76	
For >50 To 100, Deduct	-40.88	
For >100 To 200, Deduct	-54.51	
For >200, Deduct	-109.02	
32 17 23 13-0155 SF CALTRANS Solid Area, Painted Thermoplastic Reflective Pavement Marking.....	8.93	
32 17 23 13-0156 EA CALTRANS Bike Lane Symbol Without Person, Painted Thermoplastic Reflective Pavement Marking.....	66.14	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.20	
For >50 To 100, Deduct	-3.10	
For >100 To 200, Deduct	-4.13	
For >200, Deduct	-8.26	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0157	EA	CALTRANS Bike Lane Symbol With Person, Painted Thermoplastic Reflective Pavement Marking 69.73 Note: Approximate overall dimensions: 4' width x 8' height.		
		For <10, Add	6.54	
		For >50 To 100, Deduct	-3.27	
		For >100 To 200, Deduct	-4.36	
		For >200, Deduct	-8.72	
32 17 23 13-0158	EA	CALTRANS Diamond Symbol, Painted Thermoplastic Reflective Pavement Marking 113.04		
		For <10, Add	13.77	
		For >50 To 100, Deduct	-6.89	
		For >100 To 200, Deduct	-9.18	
		For >200, Deduct	-18.36	
32 17 23 13-0159	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Thermoplastic Reflective Pavement Marking.....230.30		
		For <10, Add	27.89	
		For >50 To 100, Deduct	-13.94	
		For >100 To 200, Deduct	-18.59	
		For >200, Deduct	-37.18	
32 17 23 13-0160	EA	CALTRANS Bike Loop Detector Symbol, Painted Thermoplastic Reflective Pavement Marking 47.38 Note: Approximate overall dimensions: 4' width x 8' height.		
		For <10, Add	6.54	
		For >50 To 100, Deduct	-3.27	
		For >100 To 200, Deduct	-4.36	
		For >200, Deduct	-8.72	
32 17 23 13-0161	SF	CALTRANS Letter/Number, Painted Thermoplastic Reflective Pavement Marking 9.05		
32 17 23 13-0162	SF	CALTRANS Symbols, Painted Thermoplastic Reflective Pavement Marking 9.97 Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0163 Painted and/or Raised Reflective Pavement Marking (CALTRANS) (32 17 23 13)				
		Note: 20 to 25 mil thickness, per LF of detail for painted.		
32 17 23 13-0164	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping 0.28		
		For Up To 5,000 LF, Add	0.06	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0165	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping 0.46		
		For Up To 5,000 LF, Add	0.09	
		For >25,000 LF, Deduct	-0.07	
32 17 23 13-0166	LF	CALTRANS Detail 4 Centerline 1.09		
		For Up To 5,000 LF, Add	0.22	
		For >25,000 LF, Deduct	-0.16	
32 17 23 13-0167	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping 0.27		
		For Up To 5,000 LF, Add	0.05	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0168	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping 0.47		
		For Up To 5,000 LF, Add	0.09	
		For >25,000 LF, Deduct	-0.07	
32 17 23 13-0169	LF	CALTRANS Detail 7 Centerline 0.79		
		For Up To 5,000 LF, Add	0.16	
		For >25,000 LF, Deduct	-0.12	
32 17 23 13-0170	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping 0.28		
		For Up To 5,000 LF, Add	0.06	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0171	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping 0.46		
		For Up To 5,000 LF, Add	0.09	
		For >25,000 LF, Deduct	-0.07	
32 17 23 13-0172	LF	CALTRANS Detail 10 Lanelines 1.09		
		For Up To 5,000 LF, Add	0.22	
		For >25,000 LF, Deduct	-0.16	
32 17 23 13-0173	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping 0.27		
		For Up To 5,000 LF, Add	0.05	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0174	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping 0.46		
		For Up To 5,000 LF, Add	0.09	
		For >25,000 LF, Deduct	-0.07	
32 17 23 13-0175	LF	CALTRANS Detail 13 Lanelines 0.79		
		For Up To 5,000 LF, Add	0.16	
		For >25,000 LF, Deduct	-0.12	
32 17 23 13-0176	LF	CALTRANS Detail 14 Lanelines 0.79		
		For Up To 5,000 LF, Add	0.16	
		For >25,000 LF, Deduct	-0.12	
32 17 23 13-0177	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping 0.46		
		For Up To 5,000 LF, Add	0.09	
		For >25,000 LF, Deduct	-0.07	
32 17 23 13-0178	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping 0.37		
		For Up To 5,000 LF, Add	0.07	
		For >25,000 LF, Deduct	-0.06	
		For Broken Line On One Side, Deduct	-0.05	
		For Double Broken Line, Deduct	-0.09	
32 17 23 13-0179	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping 1.10		
		For Up To 5,000 LF, Add	0.22	
		For >25,000 LF, Deduct	-0.17	
32 17 23 13-0180	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines 3.17		
		For Up To 5,000 LF, Add	0.63	
		For >25,000 LF, Deduct	-0.48	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Paving Specialties		32 17

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0181 LF CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.37	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.06	
For Broken Line On One Side, Deduct	-0.05	
For Double Broken Line, Deduct	-0.09	
32 17 23 13-0182 LF CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.92	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.14	
32 17 23 13-0183 LF CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	2.68	
For Up To 5,000 LF, Add	0.54	
For >25,000 LF, Deduct	-0.40	
32 17 23 13-0184 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.44	
For Up To 5,000 LF, Add	0.09	
For >25,000 LF, Deduct	-0.07	
For Broken Line On One Side, Deduct	-0.07	
For Double Broken Line, Deduct	-0.14	
32 17 23 13-0185 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.17	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.18	
32 17 23 13-0186 LF CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.78	
For Up To 5,000 LF, Add	0.76	
For >25,000 LF, Deduct	-0.57	
32 17 23 13-0187 LF CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.35	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0188 LF CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.53	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0189 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.71	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.11	
32 17 23 13-0190 LF CALTRANS Detail 26 Left Edgelines	0.18	
For Up To 5,000 LF, Add	0.04	
For >25,000 LF, Deduct	-0.03	
32 17 23 13-0191 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.62	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
32 17 23 13-0192 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.35	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0193 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.27	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0194 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.89	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.13	
For Broken Line On One Side, Deduct	-0.14	
For Double Broken Line, Deduct	-0.29	
32 17 23 13-0195 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.62	
For Up To 5,000 LF, Add	0.32	
For >25,000 LF, Deduct	-0.24	
32 17 23 13-0196 LF CALTRANS Detail 30 Median Islands	7.57	
For Up To 5,000 LF, Add	1.51	
For >25,000 LF, Deduct	-1.14	
32 17 23 13-0197 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.75	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
For Broken Line On One Side, Deduct	-0.09	
For Double Broken Line, Deduct	-0.18	
32 17 23 13-0198 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.66	
For Up To 5,000 LF, Add	0.33	
For >25,000 LF, Deduct	-0.25	
32 17 23 13-0199 LF CALTRANS Detail 33 Two-Way Left Turn Lanes	5.19	
For Up To 5,000 LF, Add	1.04	
For >25,000 LF, Deduct	-0.78	
32 17 23 13-0200 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.92	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.14	
32 17 23 13-0201 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.37	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0202 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.11	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0203 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.37	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0204 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.84	
For Up To 5,000 LF, Add	0.37	
For >25,000 LF, Deduct	-0.28	
32 17 23 13-0205 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.18	
For Up To 5,000 LF, Add	0.24	
For >25,000 LF, Deduct	-0.18	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0206	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.26	
		For Up To 5,000 LF, Add	0.25	
		For >25,000 LF, Deduct	-0.19	
32 17 23 13-0207	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.17	
		For Up To 5,000 LF, Add	0.23	
		For >25,000 LF, Deduct	-0.18	
32 17 23 13-0208	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	2.54	
		For Up To 5,000 LF, Add	0.51	
		For >25,000 LF, Deduct	-0.38	
32 17 23 13-0209	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.17	
		For Up To 5,000 LF, Add	0.23	
		For >25,000 LF, Deduct	-0.18	
32 17 23 13-0210	LF	CALTRANS Detail 37C Lane Drop At Intersections	2.54	
		For Up To 5,000 LF, Add	0.51	
		For >25,000 LF, Deduct	-0.38	
32 17 23 13-0211	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.08	
		For Up To 5,000 LF, Add	0.22	
		For >25,000 LF, Deduct	-0.16	
32 17 23 13-0212	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.71	
		For Up To 5,000 LF, Add	0.14	
		For >25,000 LF, Deduct	-0.11	
32 17 23 13-0213	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.44	
		For Up To 5,000 LF, Add	0.29	
		For >25,000 LF, Deduct	-0.22	
32 17 23 13-0214	LF	CALTRANS Detail 38C Channelizing Line	3.78	
		For Up To 5,000 LF, Add	0.76	
		For >25,000 LF, Deduct	-0.57	
32 17 23 13-0215	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.42	
		For Up To 5,000 LF, Add	0.08	
		For >25,000 LF, Deduct	-0.06	
32 17 23 13-0216	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	0.07	
		For >25,000 LF, Deduct	-0.05	
32 17 23 13-0217	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.26	
		For Up To 5,000 LF, Add	0.05	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0218	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.83	
		For Up To 5,000 LF, Add	0.37	
		For >25,000 LF, Deduct	-0.27	
32 17 23 13-0219	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.26	
		For Up To 5,000 LF, Add	0.05	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0220	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	1.83	
		For Up To 5,000 LF, Add	0.37	
		For >25,000 LF, Deduct	-0.27	
32 17 23 13-0221	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	130.95	
		For <10, Add	17.21	
		For >50 To 100, Deduct	-8.61	
		For >100 To 200, Deduct	-11.48	
		For >200, Deduct	-22.95	
32 17 23 13-0222	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	229.71	
		For <10, Add	30.12	
		For >50 To 100, Deduct	-15.06	
		For >100 To 200, Deduct	-20.08	
		For >200, Deduct	-40.16	
32 17 23 13-0223	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	288.30	
		For <10, Add	37.87	
		For >50 To 100, Deduct	-18.93	
		For >100 To 200, Deduct	-25.25	
		For >200, Deduct	-50.49	
32 17 23 13-0224	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	419.24	
		For <10, Add	55.08	
		For >50 To 100, Deduct	-27.54	
		For >100 To 200, Deduct	-36.72	
		For >200, Deduct	-73.44	
32 17 23 13-0225	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	550.17	
		For <10, Add	72.29	
		For >50 To 100, Deduct	-36.15	
		For >100 To 200, Deduct	-48.20	
		For >200, Deduct	-96.39	
32 17 23 13-0226	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	387.08	
		For <10, Add	50.78	
		For >50 To 100, Deduct	-25.39	
		For >100 To 200, Deduct	-33.85	
		For >200, Deduct	-67.70	
32 17 23 13-0227	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	675.38	
		For <10, Add	88.65	
		For >50 To 100, Deduct	-44.32	
		For >100 To 200, Deduct	-59.10	
		For >200, Deduct	-118.20	
32 17 23 13-0228	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	137.83	
		For <10, Add	18.07	
		For >50 To 100, Deduct	-9.04	
		For >100 To 200, Deduct	-12.05	
		For >200, Deduct	-24.10	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Paving Specialties		32 17

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0229 EA CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	302.08	
For <10, Add	39.59	
For >50 To 100, Deduct	-19.79	
For >100 To 200, Deduct	-26.39	
For >200, Deduct	-52.79	
32 17 23 13-0230 EA CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	387.08	
For <10, Add	50.78	
For >50 To 100, Deduct	-25.39	
For >100 To 200, Deduct	-33.65	
For >200, Deduct	-67.70	
32 17 23 13-0231 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	249.45	
For <10, Add	32.70	
For >50 To 100, Deduct	-16.35	
For >100 To 200, Deduct	-21.80	
For >200, Deduct	-43.61	
32 17 23 13-0232 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking.....	328.50	
For <10, Add	43.03	
For >50 To 100, Deduct	-21.52	
For >100 To 200, Deduct	-28.69	
For >200, Deduct	-57.38	
32 17 23 13-0233 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	65.47	
For <10, Add	8.61	
For >50 To 100, Deduct	-4.30	
For >100 To 200, Deduct	-5.74	
For >200, Deduct	-11.48	
32 17 23 13-0234 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	626.01	
Note: Excludes variable width transverse lines.		
For <10, Add	81.76	
For >50 To 100, Deduct	-40.88	
For >100 To 200, Deduct	-54.51	
For >200, Deduct	-109.02	
32 17 23 13-0235 SF CALTRANS Solid Area, Painted Reflective Pavement Marking	8.16	
32 17 23 13-0236 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	60.72	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.20	
For >50 To 100, Deduct	-3.10	
For >100 To 200, Deduct	-4.13	
For >200, Deduct	-8.26	
32 17 23 13-0237 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	64.31	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.54	
For >50 To 100, Deduct	-3.27	
For >100 To 200, Deduct	-4.36	
For >200, Deduct	-8.72	
32 17 23 13-0238 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	104.52	
For <10, Add	13.77	
For >50 To 100, Deduct	-6.89	
For >100 To 200, Deduct	-9.18	
For >200, Deduct	-18.36	
32 17 23 13-0239 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	212.49	
For <10, Add	27.89	
For >50 To 100, Deduct	-13.94	
For >100 To 200, Deduct	-18.59	
For >200, Deduct	-37.18	
32 17 23 13-0240 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	45.84	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.54	
For >50 To 100, Deduct	-3.27	
For >100 To 200, Deduct	-4.36	
For >200, Deduct	-8.72	
32 17 23 13-0241 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking	8.28	
32 17 23 13-0242 SF CALTRANS Symbols, Painted Reflective Pavement Marking	9.20	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0243 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
Note: Includes primers. Per Coat.		
32 17 23 13-0244 Painted Pavement Marking For Parking Areas (32 17 23 13-0243)		
Note: 15 mil thickness.		
32 17 23 13-0245 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.28	
32 17 23 13-0246 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.40	
32 17 23 13-0247 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.48	
32 17 23 13-0248 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.67	
32 17 23 13-0249 SF Solid Area, Painted Pavement Marking For Parking Areas	7.08	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0250 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.02	
For Up To 10, Add	0.69	
For >50 To 100, Deduct	-0.34	
For >100 To 200, Deduct	-0.46	
For >200, Deduct	-0.92	
32 17 23 13-0251 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.43	
For Up To 10, Add	1.03	
For >50 To 100, Deduct	-0.52	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.38	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0252 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	14.19	
For Up To 10, Add	1.72	
For >50 To 100, Deduct	-0.86	
For >100 To 200, Deduct	-1.15	
For >200, Deduct	-2.29	
32 17 23 13-0253 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	26.59	
For Up To 10, Add	3.27	
For >50 To 100, Deduct	-1.64	
For >100 To 200, Deduct	-2.18	
For >200, Deduct	-4.36	
32 17 23 13-0254 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	35.32	
For Up To 10, Add	4.47	
For >50 To 100, Deduct	-2.24	
For >100 To 200, Deduct	-2.98	
For >200, Deduct	-5.97	
32 17 23 13-0255 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	42.94	
For Up To 10, Add	5.51	
For >50 To 100, Deduct	-2.75	
For >100 To 200, Deduct	-3.67	
For >200, Deduct	-7.35	
32 17 23 13-0256 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	57.24	
For Up To 10, Add	6.89	
For >50 To 100, Deduct	-3.44	
For >100 To 200, Deduct	-4.59	
For >200, Deduct	-9.18	
32 17 23 13-0257 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas	100.94	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0258 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas	114.91	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0259 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	162.26	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0260 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	165.48	
Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0261 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	215.04	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0262 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	41.65	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	30.28	
For Blue Background With White Symbol And Border, Add	37.85	
32 17 23 13-0263 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	60.34	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	61.21	
For Blue Background With White Symbol And Border, Add	76.51	
32 17 23 13-0264 Painted Curbs (32 17 23 13)		
Note: All colors.		
32 17 23 13-0265 LF Reflective Painted Curb	3.84	
32 17 23 13-0266 LF Reflective Painted Curb And Gutter.....	7.29	
32 17 23 13-0267 LF Painted Curb.....	3.11	
32 17 23 13-0268 LF Painted Curb And Gutter.....	6.64	
32 17 23 13-0269 Markings For Outdoor Play Areas, Courts (32 17 23 13)		
32 17 23 13-0270 LF 2" Wide Marking For Outdoor Play Areas	1.09	
32 17 23 13-0271 LF 3" Wide Marking For Outdoor Play Areas	1.24	
32 17 23 13-0272 LF 4" Wide Marking For Outdoor Play Areas	1.40	
32 17 23 13-0273 LF 6" Wide Marking For Outdoor Play Areas	1.65	
32 17 23 13-0274 EA Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, etc.).....	387.42	
32 17 23 23 Raised Pavement Markings (32 17 23)		
32 17 23 23-0001 Raised Pavement Markers (RPMs) (32 17 23 23)		
Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002 EA One-Way Reflective, Raised Pavement Marker (RPM)	8.30	2.83
Note: Type G, H or R		
For >100, Deduct	-0.83	
32 17 23 23-0003 EA Two-Way Reflective, Raised Pavement Marker (RPM)	8.82	2.83
Note: Type B, C, D, AC, RA or RR		
For >100, Deduct	-0.88	
32 17 23 23-0004 EA 4" Diameter, Round Reflective, Raised Pavement Marker (RPM).....	10.95	2.83
For >100, Deduct	-1.10	
32 17 23 23-0005 EA 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM).....	7.62	2.83
Note: Type A or AY		
For >100, Deduct	-0.76	
32 17 23 23-0006 Snowplowable Pavement Markers (32 17 23 23)		
32 17 23 23-0007 EA One-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	81.02	34.04
Note: Type G, H or R		
32 17 23 23-0008 EA Two-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	81.47	34.04
Note: Type B, C, D, AC, RA or RR		



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Paving Specialties		32 17

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 23-0009	EA		Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	23.67	
32 17 23 23-0010	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	29.78	
32 17 23 33 Plastic Pavement Markings (32 17 23)					
32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33)					
Note: Includes primers, adhesive and reflective glass beads. For broken line modifier quantity use total lane length.					
32 17 23 33-0002 Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)					
Note: 90 mil thickness.					
32 17 23 33-0003	LF		Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.49	
			For Up To 5,000 LF, Add	0.30	
			For >25,000 LF, Deduct	-0.22	
			For 60 mils Thick, Deduct	-0.20	
			For 125 mils Thick, Add	0.26	
			For Broken Line (25% Solid), Deduct	-0.87	
32 17 23 33-0004	LF		Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.14	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.43	
			For >25,000 LF, Deduct	-0.32	
			For 60 mils Thick, Deduct	-0.30	
			For 125 mils Thick, Add	0.39	
			For Broken Line (25% Solid), Deduct	-1.30	
32 17 23 33-0005	LF		Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.83	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.57	
			For >25,000 LF, Deduct	-0.42	
			For 60 mils Thick, Deduct	-0.40	
			For 125 mils Thick, Add	0.52	
			For Broken Line (25% Solid), Deduct	-1.73	
32 17 23 33-0006	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	4.15	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.83	
			For >25,000 LF, Deduct	-0.62	
			For 60 mils Thick, Deduct	-0.61	
			For 125 mils Thick, Add	0.78	
			For Broken Line (25% Solid), Deduct	-2.60	
32 17 23 33-0007	LF		Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.82	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.56	
			For >25,000 LF, Deduct	-0.42	
			For 60 mils Thick, Deduct	-0.40	
			For 125 mils Thick, Add	0.52	
			For Broken Line On One Side, Deduct	-0.87	
			For Double Broken Line, Deduct	-1.73	
32 17 23 33-0008	LF		Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	4.15	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.83	
			For >25,000 LF, Deduct	-0.62	
			For 60 mils Thick, Deduct	-0.61	
			For 125 mils Thick, Add	0.78	
			For Broken Line On One Side, Deduct	-1.30	
			For Double Broken Line, Deduct	-2.60	
32 17 23 33-0009	SF		Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	10.33	
			Note: Includes yellow or white.		
			For 60 mils Thick, Deduct	-0.60	
			For 125 mils Thick, Add	0.78	
32 17 23 33-0010	EA		6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	6.89	
			For Up To 10, Add	0.78	
			For >50 To 100, Deduct	-0.39	
			For >100 To 200, Deduct	-0.52	
			For >200, Deduct	-1.03	
			For 60 mils Thick, Deduct	-0.30	
			For 125 mils Thick, Add	0.39	
32 17 23 33-0011	EA		12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	14.04	
			For Up To 10, Add	1.17	
			For >50 To 100, Deduct	-0.59	
			For >100 To 200, Deduct	-0.78	
			For >200, Deduct	-1.56	
			For 60 mils Thick, Deduct	-1.09	
			For 125 mils Thick, Add	1.40	
32 17 23 33-0012	EA		24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	23.89	
			For Up To 10, Add	1.95	
			For >50 To 100, Deduct	-0.97	
			For >100 To 200, Deduct	-1.30	
			For >200, Deduct	-2.59	
			For 60 mils Thick, Deduct	-1.91	
			For 125 mils Thick, Add	2.46	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0013 EA 36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	45.24	
For Up To 10, Add	3.91	
For >50 To 100, Deduct	-1.95	
For >100 To 200, Deduct	-2.61	
For >200, Deduct	-5.21	
For 60 mils Thick, Deduct	-3.36	
For 125 mils Thick, Add	4.32	
32 17 23 33-0014 EA 48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	54.09	
For Up To 10, Add	4.37	
For >50 To 100, Deduct	-2.19	
For >100 To 200, Deduct	-2.91	
For >200, Deduct	-5.83	
For 60 mils Thick, Deduct	-4.37	
For 125 mils Thick, Add	5.61	
32 17 23 33-0015 EA 72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	97.45	
For Up To 10, Add	7.78	
For >50 To 100, Deduct	-3.89	
For >100 To 200, Deduct	-5.19	
For >200, Deduct	-10.37	
For 60 mils Thick, Deduct	-7.98	
For 125 mils Thick, Add	10.26	
32 17 23 33-0016 EA 96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	129.63	
For Up To 10, Add	10.45	
For >50 To 100, Deduct	-5.22	
For >100 To 200, Deduct	-6.97	
For >200, Deduct	-13.93	
For 60 mils Thick, Deduct	-10.50	
For 125 mils Thick, Add	13.50	
32 17 23 33-0017 EA 120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	220.16	
For Up To 10, Add	12.94	
For >50 To 100, Deduct	-6.47	
For >100 To 200, Deduct	-8.63	
For >200, Deduct	-17.26	
For 60 mils Thick, Deduct	-23.43	
For 125 mils Thick, Add	30.12	
32 17 23 33-0018 SF Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	12.12	
For 60 mils Thick, Deduct	-0.76	
For 125 mils Thick, Add	0.97	
32 17 23 33-0019 SY Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	36.45	
Note: Per SY of area.		
For 60 mils Thick, Deduct	-1.36	
For 125 mils Thick, Add	1.75	
32 17 23 33-0020 EA Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	318.38	
For 60 mils Thick, Deduct	-17.38	
For 125 mils Thick, Add	22.35	
32 17 23 33-0021 EA Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	944.91	
For 60 mils Thick, Deduct	-52.90	
For 125 mils Thick, Add	68.02	
32 17 23 33-0022 EA Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	182.71	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-23.94	
For 125 mils Thick, Add	30.78	
32 17 23 33-0023 EA Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	152.27	
For 60 mils Thick, Deduct	-8.31	
For 125 mils Thick, Add	10.69	
32 17 23 33-0024 SF Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	13.84	
Note: Handicap, railroad, diamond, arrows, etc.		
For 60 mils Thick, Deduct	-0.76	
For 125 mils Thick, Add	0.97	
32 17 23 33-0025 EA 10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	193.81	
For 60 mils Thick, Deduct	-10.58	
For 125 mils Thick, Add	13.60	
32 17 23 33-0026 EA 18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	346.08	
For 60 mils Thick, Deduct	-18.89	
For 125 mils Thick, Add	24.29	
32 17 23 33-0027 EA 24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	429.13	
For 60 mils Thick, Deduct	-23.43	
For 125 mils Thick, Add	30.12	
32 17 23 33-0028 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	622.94	
For 60 mils Thick, Deduct	-34.01	
For 125 mils Thick, Add	43.72	
32 17 23 33-0029 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	816.74	
For 60 mils Thick, Deduct	-44.59	
For 125 mils Thick, Add	57.33	
32 17 23 33-0030 EA 24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	581.40	
For 60 mils Thick, Deduct	-31.74	
For 125 mils Thick, Add	40.81	
32 17 23 33-0031 EA 24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	1,010.54	
For 60 mils Thick, Deduct	-55.17	
For 125 mils Thick, Add	70.93	
32 17 23 33-0032 EA 8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	207.65	
For 60 mils Thick, Deduct	-11.34	
For 125 mils Thick, Add	14.58	
32 17 23 33-0033 EA 24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	456.82	
For 60 mils Thick, Deduct	-24.94	
For 125 mils Thick, Add	32.06	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Paving Specialties		32 17

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0034 EA 18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking For 60 mils Thick, Deduct For 125 mils Thick, Add 32 17 23 33-0035 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking..... For 60 mils Thick, Deduct For 125 mils Thick, Add 32 17 23 33-0036 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking..... For 60 mils Thick, Deduct For 125 mils Thick, Add 32 17 23 33-0037 EA 5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking For 60 mils Thick, Deduct For 125 mils Thick, Add	581.40 -31.74 40.81 373.76 -20.41 26.24 498.35 -27.21 34.98 96.90 -5.29 6.80	
32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0039 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs For 60 mils Thick, Deduct For 125 mils Thick, Add 32 17 23 33-0040 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs For 60 mils Thick, Deduct For 125 mils Thick, Add 32 17 23 33-0041 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs For 60 mils Thick, Deduct For 125 mils Thick, Add 32 17 23 33-0042 LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs For 60 mils Thick, Deduct For 125 mils Thick, Add 32 17 23 33-0043 LF Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs For 60 mils Thick, Deduct For 125 mils Thick, Add	3.58 -0.20 0.26 4.50 -0.30 0.39 5.53 -0.40 0.52 7.94 -0.61 0.78 14.19 -1.21 1.56	
32 17 23 33-0044 Preformed, Patterned Thermoplastic Reflective Pavement Marking Tape (32 17 23 33-0001)		
Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series). 32 17 23 33-0045 LF Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct 32 17 23 33-0046 LF Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct 32 17 23 33-0047 LF Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct 32 17 23 33-0048 LF Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct 32 17 23 33-0049 SF Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white. 32 17 23 33-0050 EA 6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct 32 17 23 33-0051 EA 12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct 32 17 23 33-0052 EA 24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct 32 17 23 33-0053 EA 36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct 32 17 23 33-0054 EA 48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct 32 17 23 33-0055 EA 72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	3.18 0.64 -0.48 4.71 0.94 -0.71 6.25 1.25 -0.94 9.28 1.86 -1.39 26.61 39.43 1.41 -0.71 -0.94 -1.88 69.07 1.79 -0.90 -1.19 -2.39 119.01 3.54 -1.77 -2.36 -4.73 173.36 7.09 -3.55 -4.73 -9.46 202.91 7.95 -3.98 -5.30 -10.60 262.82 14.15 -7.07 -9.43 -18.87	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0056 EA 96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	335.85 19.00 -9.50 -12.67 -25.34	
32 17 23 33-0057 EA 120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	420.75 23.55 -11.77 -15.70 -31.40	
32 17 23 33-0058 SF Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	27.53	
32 17 23 33-0059 SF Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape..... Note: Handicap, railroad, diamond symbol, etc.	29.25	
32 17 23 33-0060 Preformed, Thermoplastic Reflective Pavement Marking Tape (32 17 23 33-0001) Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0061 EA Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	415.50	
32 17 23 33-0062 EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,101.52	
32 17 23 33-0063 EA Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	221.92	
32 17 23 33-0064 EA 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	188.38	
32 17 23 33-0065 EA 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	362.60	
32 17 23 33-0066 EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	217.65	
32 17 23 33-0067 EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	403.25	
32 17 23 33-0068 EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	686.71	
32 17 23 33-0069 EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,031.98	
32 17 23 33-0070 EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	373.85	
32 17 23 33-0071 EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	414.50	
32 17 23 33-0072 EA Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	760.14	
32 17 23 33-0073 EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	699.33	
32 17 23 33-0074 EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 5-1/2' width x 20' height.	702.77	
32 17 23 33-0075 EA Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	963.67	
32 17 23 33-0076 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 33) Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0077 Thermoplastic Pavement Marking Symbols For Parking Areas (32 17 23 33-0076) Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas..... Note: White or blue symbol. Excludes striping.	142.66	
32 17 23 33-0079 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	529.58	
32 17 23 33-0080 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas..... Note: White symbol on blue background. Excludes striping.	301.21	
32 17 23 33-0081 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas..... Note: White symbol on blue background. Excludes striping.	361.42	
32 17 23 33-0082 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	378.72	
32 17 26 Tactile Warning Surfaces (32 17)		
32 17 26 00-0001 Vitritified Polymer Composite (VPC); (Armor Tile) (32 17 26) Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface..... Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	72.63	11.29
32 17 26 00-0003 SF Embedded, VPC Truncated Dome Detectable Warning Surface..... Note: Also raised strips or directional bars. All colors.	57.95	11.29
32 17 26 00-0004 EA 30.5" x 24" x 2" Precast Concrete Truncated Dome Panel Set In Thinset.....	424.94	
32 17 26 00-0005 LF 24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete.....	103.79	22.57



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Paving Specialties			32 17

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 26 00-0006		Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SafteyStep TD) (32 17 26) Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0007	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT)..... Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	86.16	11.29
32 17 26 00-0008	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT)..... Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	76.00	11.29
32 18 Athletic and Recreational Surfacing (32 10)				
32 18 16 Synthetic Resilient Surfacing (32 18)				
32 18 16 13 Playground Protective Surfacing (32 18 16)				
32 18 16 13-0001		Tile Playground Surface Material (32 18 16 13) Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	25.47 1.60 3.57 1.93 1.50	2.55
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	25.95 1.60 3.57 2.02 1.50	2.70
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	26.91 1.60 3.57 2.22 1.50	3.02
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	27.87 1.60 3.57 2.41 1.50	3.34
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	31.13 1.21 4.03 2.60 1.50	3.66
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	32.18 1.21 4.03 2.81 1.50	4.01
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	33.28 1.21 4.03 3.03 1.50	4.37
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	36.62 0.67 4.50 3.23 1.50	4.68
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	37.58 0.67 4.50 3.42 1.50	5.06
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	38.63 0.67 4.50 3.63 1.50	5.35
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile Playground Surfacing For Manufacturer's Standard Colors, Add For Interlocking Tiles, Add For Mechanically Fastened, Add For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	44.50 0.66 5.27 4.03 1.50	6.02
32 18 16 13-0013		Loose Laid Playground Surface Material (32 18 16 13) Note: Excludes sub base.		
32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Playground Surfacing	1.81	0.38
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Playground Surfacing	2.41	0.47
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Playground Surfacing	3.07	0.58
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Playground Surfacing	4.34	0.86
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Playground Surfacing	2.71	0.38
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.36	0.47
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Playground Surfacing	5.12	0.58

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0021	SF		12" Loose Laid Synthetic Fiber Safety Playground Surfacing	6.41	0.86
32 18 16 13-0022	SF		8" FIBAR System Playground Surfacing	10.88	1.43
			Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023	SF		12" FIBAR System Playground Surfacing	13.87	1.91
			Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024 Poured In Place Playground Surfacing ^(32 18 16 13)					
			Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025	SF		1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	20.27	2.97
			For Up To 2,000, Add	4.03	
			For >2,000 To 3,000, Add	2.84	
			For >3,000 To 4,000, Add	1.94	
			For >4,000 To 5,000, Add	1.24	
			For >5,000 To 7,000, Add	0.52	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0026	SF		2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	20.90	3.29
			For Up To 2,000, Add	4.15	
			For >2,000 To 3,000, Add	2.93	
			For >3,000 To 4,000, Add	2.00	
			For >4,000 To 5,000, Add	1.27	
			For >5,000 To 7,000, Add	0.53	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0027	SF		2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	22.56	3.76
			For Up To 2,000, Add	4.48	
			For >2,000 To 3,000, Add	3.16	
			For >3,000 To 4,000, Add	2.15	
			For >4,000 To 5,000, Add	1.37	
			For >5,000 To 7,000, Add	0.57	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0028	SF		3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	24.38	4.01
			For Up To 2,000, Add	4.84	
			For >2,000 To 3,000, Add	3.42	
			For >3,000 To 4,000, Add	2.33	
			For >4,000 To 5,000, Add	1.49	
			For >5,000 To 7,000, Add	0.62	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0029	SF		3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	26.17	4.21
			For Up To 2,000, Add	5.20	
			For >2,000 To 3,000, Add	3.67	
			For >3,000 To 4,000, Add	2.50	
			For >4,000 To 5,000, Add	1.59	
			For >5,000 To 7,000, Add	0.66	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0030	SF		4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	27.71	4.46
			For Up To 2,000, Add	5.50	
			For >2,000 To 3,000, Add	3.88	
			For >3,000 To 4,000, Add	2.64	
			For >4,000 To 5,000, Add	1.69	
			For >5,000 To 7,000, Add	0.70	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0031	SF		4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	29.51	4.70
			For Up To 2,000, Add	5.86	
			For >2,000 To 3,000, Add	4.13	
			For >3,000 To 4,000, Add	2.82	
			For >4,000 To 5,000, Add	1.80	
			For >5,000 To 7,000, Add	0.75	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0032	SF		5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	33.11	5.27
			For Up To 2,000, Add	6.58	
			For >2,000 To 3,000, Add	4.64	
			For >3,000 To 4,000, Add	3.16	
			For >4,000 To 5,000, Add	2.02	
			For >5,000 To 7,000, Add	0.84	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0033	SF		1/2" Top Only, Poured In Place Playground Surfacing	13.24	
			Note: Not used with new surfacing system tasks.		
			For Up To 2,000, Add	3.96	
			For >2,000 To 3,000, Add	2.57	
			For >3,000 To 4,000, Add	1.57	
			For >4,000 To 5,000, Add	0.95	
			For >5,000 To 7,000, Add	0.43	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0034	EA		Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,926.63	



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Athletic and Recreational Surfacing		32 18

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0035 Synthetic Playground Turf (Sporturf) (32 18 16 13)		
Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036 SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	10.84	
32 18 16 13-0037 SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	9.53	
32 18 16 13-0038 SF 2" Foam Padding (Sporturf)	6.15	
32 18 16 13-0039 CF Sand/Rubber Infill (Sporturf)	57.12	
32 18 23 Athletic Surfacing (32 18)		
32 18 23 13 Baseball Field Surfacing (32 18 23)		
32 18 23 13-0001 Clay Infield Maintenance (32 18 23 13)		
32 18 23 13-0002 MSF Playing Field Maintenance (Clay - Nail Drag)	12.40	
32 18 23 13-0003 MSF Playing Field Maintenance (Clay - Screen Drag)	12.40	
32 18 23 13-0004 CY Playing Field Maintenance Of Clay	111.18	
32 18 23 13-0005 TON Professional Softball/Baseball Infield Mix (Diamond-TEX Professional)	122.08	
32 18 23 23 Field Sport Surfacing (32 18 23)		
32 18 23 23-0001 Turf Field Maintenance (32 18 23 23)		
32 18 23 23-0002 ACR Turf Aeration (Minimum 6" Penetration).....	166.90	
32 18 23 23-0003 MSF Top Dressing 1/8" - 1/4" Sand	15.87	
32 18 23 23-0004 BAG Envirofill, 50 Lb. Bag	123.57	
32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)		
32 18 23 29-0001 Synthetic Field Sport Surfacing (32 18 23 29)		
32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)		
Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)		
32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	8.53	
For Ambient Rubber And Sand Infill, Add		0.10
For Cryo Rubber Infill, Add		0.26
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add		0.31
For Cryo Rubber And Sand Infill, Add		0.36
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	28,277.14	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	23,048.54	
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields	6,935.90	
Note: Per sport.		
32 18 23 29-0009 EA End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields	2,560.95	
Note: Per letter. Excludes outline.		
32 18 23 29-0010 EA Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields	2,454.24	
Note: Per end zone.		
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields	21,341.24	
Note: Block letter.		
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields	30,944.80	
Note: Graphic.		
32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	9.82	
For Ambient Rubber And Sand Infill, Add		0.10
For Cryo Rubber Infill, Add		0.26
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add		0.31
For Cryo Rubber And Sand Infill, Add		0.36
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	28,810.85	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	23,902.33	
32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields	7,469.48	
Note: Per sport.		
32 18 23 29-0018 EA End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields	2,774.38	
Note: Per letter. Excludes outline.		
32 18 23 29-0019 EA Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields	2,560.96	
Note: Per end zone.		
32 18 23 29-0020 EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields	22,408.44	
Note: Block letter.		
32 18 23 29-0021 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields	32,492.23	
Note: Graphic.		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) (32 18 23 29-0003)		
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	10.01	
		For Ambient Rubber And Sand Infill, Add	0.10	
		For Cryo Rubber Infill, Add	0.26	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
		For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	29,344.38	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	25,823.06	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields	8,003.01	
		Note: Per sport.		
32 18 23 29-0027	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	2,987.79	
		Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields	2,667.67	
		Note: Per end zone.		
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	23,475.50	
		Note: Block letter.		
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields	34,039.48	
		Note: Graphic.		
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) (32 18 23 29-0002)		
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) (32 18 23 29-0031)		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	11.21	
		For Ambient Rubber And Sand Infill, Add	0.10	
		For Cryo Rubber Infill, Add	0.20	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
		For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	30,411.27	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	32,438.68	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	9,070.03	
		Note: Per sport.		
32 18 23 29-0037	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields	3,414.60	
		Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields	2,881.07	
		Note: Per end zone.		
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	25,609.49	
		Note: Block letter.		
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	37,133.76	
		Note: Graphic.		
32 18 23 29-0041		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)		
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	11.60	
		For Ambient Rubber And Sand Infill, Add	0.10	
		For Cryo Rubber Infill, Add	0.20	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
		For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	30,944.80	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	36,066.70	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	9,603.56	
		Note: Per sport.		
32 18 23 29-0046	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields	3,628.01	
		Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields	2,987.77	
		Note: Per end zone.		
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	26,676.55	
		Note: Block letter.		
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	38,681.00	
		Note: Graphic.		
32 18 23 29-0050		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)		
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	11.62	
		For Ambient Rubber And Sand Infill, Add	0.10	
		For Cryo Rubber Infill, Add	0.20	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
		For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	31,478.33	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	36,280.11	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	10,137.09	
		Note: Per sport.		



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Athletic and Recreational Surfacing		32 18

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0055	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	3,841.42	
32 18 23 29-0056	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Per end zone.	3,094.48	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Block letter.	27,743.61	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Graphic.	40,228.24	
32 18 23 29-0059		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		
32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	11.85 0.10 0.20 0.25 0.30	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	32,011.86	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	38,627.64	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Per sport.	10,670.62	
32 18 23 29-0064	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	4,268.25	
32 18 23 29-0065	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Per end zone.	3,201.19	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Block letter.	28,810.67	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Graphic.	41,775.48	
32 18 23 29-0068		Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)		
32 18 23 29-0069		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)		
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38) <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	9.43 0.10 0.26 0.31 0.36	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	27,210.24	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	20,060.89	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Per sport.	5,868.88	
32 18 23 29-0074	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	2,134.14	
32 18 23 29-0075	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Per end zone.	2,240.84	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Block letter.	19,207.23	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	27,850.49	
32 18 23 29-0078		42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42) <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	8.27 0.10 0.26 0.31 0.36	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	27,743.61	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	21,341.24	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Per sport.	6,402.37	
32 18 23 29-0083	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	2,347.54	
32 18 23 29-0084	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Per end zone.	2,347.54	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Block letter.	20,274.18	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	29,397.56	
32 18 23 29-0087		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)		
32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	18.69	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	16.73	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	52,652.55	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	62,553.03	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields	15,300.74	
		Note: Per sport.		
32 18 23 29-0093	EA	End Zone Lettering For AstroTurf® PureGrass® Fields	5,850.28	
		Note: Per letter. Excludes outline.		
32 18 23 29-0094	EA	Colored End Zone For AstroTurf® PureGrass® Fields.....	4,342.48	
		Note: Per end zone.		
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields.....	39,082.31	
		Note: Block letter.		
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields.....	57,377.78	
		Note: Graphic.		
32 18 23 29-0097		Synthetic Turf (G9 Turf) (32 18 23 29-0001) Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf)	10.27	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
		For >35,000, Deduct	-0.92	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf)	10.17	
		Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
		For >35,000, Deduct	-0.91	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	10.63	
		Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf.....	72,806.55	
		Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf.....	31,549.50	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf.....	31,549.50	
32 18 23 29-0106	EA	End Zone Lettering For G9 Synthetic Turf	3,640.33	
		Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.41	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	8.90	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.54	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf.....	1.28	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf.....	2.10	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf	2,426.88	
		Note: Includes a comprehensive report.		
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	24,268.85	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf	0.80	
		Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
		For >10,000 To 30,000, Deduct	-0.32	
		For >30,000 To 60,000, Deduct	-0.56	
		For >60,000, Deduct	-0.61	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill.....	5.44	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill	6.05	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf	4.96	
		Note: Used for drainage over asphalt or on rooftops.		
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf	3.05	
		Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf	4,836.60	
		Note: Includes field inspection and report.		
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf	13.30	
		Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	5.32	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field	3.75	
		Note: Includes removal, shipping and recycling of infill, fibers and backing.		
32 18 23 29-0123		Synthetic Turf (FieldTurf) (32 18 23 29-0001) Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0124	SF	2" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 50)	8.48	
		Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0125	SF	2.35" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 60).....	8.59	
		Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0126	SF	2.5" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 65).....	8.70	
		Note: Excludes preparation of sub-base, grooming, sports lines and logos.		



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Athletic and Recreational Surfacing			32 18

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0127	SF		2" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 50).....	8.59	
			Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0128	SF		2.35" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 60)	8.70	
			Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0129	SF		2.5" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 65).....	8.81	
			Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0130	SF		2" Height, Split Film Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Classic).....	8.36	
			Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0131	SF		2.5" Height, Split Film Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Classic).....	9.24	
			Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0132	SF		2" Height, Spined Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Duraspine Pro).....	8.79	
			Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0133	SF		2.5" Height, Spined Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Duraspine Pro).....	9.56	
			Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0134	SF		2" Height, Concave And Rigid Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Revolution)	8.90	
			Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0135	SF		2.5" Height, Concave And Rigid Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Revolution).....	9.67	
			Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0136	EA		Numbers And Arrows Inlays For FieldTurf Synthetic Turf.....	15,990.27	
			Note: Per field.		
32 18 23 29-0137	EA		Media Lines Inlays For FieldTurf Synthetic Turf.....	10,660.18	
			Note: Per field.		
32 18 23 29-0138	EA		Hash Marks Inlays For FieldTurf Synthetic Turf.....	15,990.27	
			Note: Per field.		
32 18 23 29-0139	EA		Rugby Inlays For FieldTurf Synthetic Turf	15,990.27	
			Note: Per field.		
32 18 23 29-0140	EA		Soccer Inlays For FieldTurf Synthetic Turf.....	12,792.22	
			Note: Per field.		
32 18 23 29-0141	EA		Field Hockey Inlays For FieldTurf Synthetic Turf	8,528.15	
			Note: Per field.		
32 18 23 29-0142	EA		Lacrosse Inlays For FieldTurf Synthetic Turf	8,528.15	
			Note: Per field.		
32 18 23 29-0143	EA		Baseball Inlays For FieldTurf Synthetic Turf	7,462.13	
			Note: Per field.		
32 18 23 29-0144	EA		Softball Inlays For FieldTurf Synthetic Turf.....	5,330.09	
			Note: Per field.		
32 18 23 29-0145	EA		Gmax Compaction And Hardness Test For FieldTurf Synthetic Turf	3,198.05	
			Note: Per test.		
32 18 23 29-0146	YR		8-Year Maintenance Program For FieldTurf Synthetic Turf	8,528.15	
			Note: Per year. Includes GroomRight machine.		
32 18 23 29-0147	EA		GroomRight Machine For FieldTurf Synthetic Turf	10,660.18	
32 18 23 33 Running Track Surfacing (32 18 23)					
32 18 23 33-0001	Running Track Surfacing (32 18 23 33)				
32 18 23 33-0002	SY		2-1/2" Asphaltic Concrete Running Track Surfacing.....	34.35	
32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)					
32 18 23 33-0004	SY		1 Seal Coat, Striping Of Track	21.61	
			Note: Includes certification.		
32 18 23 39 Synthetic Running Track Surfacing (32 18 23)					
32 18 23 39-0001	Synthetic Running Track Surfacing And Striping (32 18 23 39)				
			Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing	85.30	7.41
			For >5,500, Deduct	-6.70	
			For Up To 4,000, Add	21.30	
32 18 23 39-0003	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing	107.17	7.41
			For >5,500, Deduct	-8.99	
			For Up To 4,000, Add	28.59	
			For Custom Color Upgrade, Add	7.76	
			For Aliphatic Top Coating, Add	14.70	
32 18 23 39-0004	SY		Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing	175.51	7.41
			For >5,500, Deduct	-8.24	
			For Up To 4,000, Add	48.05	
			For Custom Color Upgrade, Add	10.57	
			For Aliphatic Top Coating, Add	19.63	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing.....	228.07	7.41
		For >5,500, Deduct	-10.64	
		For Up To 4,000, Add	62.07	
		For Custom Color Upgrade, Add	13.83	
		For Aliphatic Top Coating, Add	20.22	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing.....	78.01	
		For >5,500, Deduct	-11.31	
		For Up To 4,000, Add	27.30	
32 18 23 39-0007	SY	Spray Retop Running Tracks.....	68.52	
		For Up To 4,000, Add	23.98	
		For >5,500, Deduct	-6.70	
32 18 23 39-0008	SY	Sandwich Retop Running Tracks.....	132.64	
		For Up To 4,000, Add	46.42	
		For >5,500, Deduct	-13.98	
32 18 23 53 Tennis Court Surfacing (32 18 23)				
32 18 23 53-0001		Tennis Court Surfacing (32 18 23 53)		
		See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick.....	35.05	
32 18 23 53-0003 Tennis Court Markings (32 18 23 53)				
32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats.....	645.68	
32 18 23 56 Natural Tennis Court Surfacing (32 18 23)				
32 18 23 56-0001	SY	Clay Tennis Court.....	48.28	
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	53.66	
		Note: Includes 4" base.		
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement.....	21.55	
32 18 23 56-0004	SY	Resurface Clay Tennis Court.....	14.28	
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone.....	12.16	
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement.....	9.05	
32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)				
32 18 23 61-0001		100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61)		
		Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002		Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.60	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	0.80	
		Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	2.05	
		Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	91.20	
		Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
32 18 23 61-0007		Surface Coatings For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
		Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	3.28	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	1.18	
		For US Open Blue, Add	1.83	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	2.68	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	0.85	
		For US Open Blue, Add	1.31	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	2.34	
		Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	0.66	
		For US Open Blue, Add	1.02	
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	2.33	
		Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
		For Pacific Blue, Add	0.79	
		For US Open Or Australian Open Blue, Add	1.29	
		For Pro Purple, Add	2.22	



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Athletic and Recreational Surfacing			32 18

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0012		Line Striping For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®).....	1.57	
Note: Textured or non-textured highly reflective line marking paint.				
32 18 23 61-0014		Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) (32 18 23 61-0001)		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat	4.98	
Note: Applied with rubber squeegee.				
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat	6.76	
Note: Applied with rubber squeegee.				
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat	5.83	
Note: Price per coat for third or additional coats. Applied with rubber squeegee.				
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat	4.39	
Note: Applied with rubber squeegee.				
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat	3.38	
Note: Price per coat for second or additional coats. Applied with rubber squeegee.				
32 18 23 61-0020		Resurface Athletic Court (32 18 23 61)		
Note: Excludes asphalt or concrete sub base and repairs of sub base.				
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster)	2.79	

32 30 Site Improvements (32)

32 31 Fences and Gates (32 30)

32 31 11 Gate Operators (32 31)

32 31 11 00-0001 Gate Operators (32 31 11)

Note: Excludes gates, electrical connections, access controls and concrete foundation.

32 31 11 00-0002 Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001)

32 31 11 00-0003 Swing Gate Actuator (DKS™ DoorKing®) (32 31 11 00-0002)

32 31 11 00-0004 Single Gate, Swing Gate Actuator (32 31 11 00-0003)

Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....2,089.06

233.14

Note: Includes one primary operator with a 10' wide gate capacity.

Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....2,792.26

233.14

Note: Includes one primary operator with a 14' wide gate capacity.

32 31 11 00-0007 Dual Gate, Swing Gate Actuator (32 31 11 00-0003)

Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....4,178.10

466.29

Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.

Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....5,584.49

466.29

Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.

32 31 11 00-0010 Swing Gate Operators (DKS™ DoorKing®) (32 31 11 00-0002)

32 31 11 00-0011 Single Gate, Swing Gate Operators (32 31 11 00-0010)

400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....4,288.81

233.14

Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.

500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....4,667.45

233.14

Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.

700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....6,344.31

233.14

Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.

For 208/230/460 Volt AC, Add 322.50

800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....7,191.76

233.14

Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.

For 208/230/460 Volt AC, Add 322.50

32 31 11 00-0016 Dual Gate, Swing Gate Operators (32 31 11 00-0010)

400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....7,585.91

466.29

Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	8,343.20	466.29
		Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.		
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	11,678.89	466.29
		Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	13,536.05	466.29
		Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0021		Sliding Gate Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
		Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050).....	1,959.46	233.14
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100).....	2,731.42	279.76
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150).....	3,364.88	279.76
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210).....	4,385.71	326.39
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	5,363.05	326.39
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	7,302.41	373.03
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	12,148.42	373.03
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	20,549.12	419.66
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0030		Accessories For Gate Actuators And Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	686.10	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	1,334.35	
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	907.74	
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	982.96	
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	874.77	
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	613.33	
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators.....	6.12	
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators.....	6.39	
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators.....	8.14	
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators.....	12.49	
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11).....	772.58	168.13
32 31 11 00-0042		Sliding Gate Operator (LiftMaster) (32 31 11 00-0001)		
32 31 11 00-0043	EA	Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,881.07	286.12
		Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	191.03	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	136.74	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	67.34	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	270.67	
		For Each Additional 10' Chain, Add	40.54	
32 31 13		Chain Link Fences and Gates (32 31)		
32 31 13 13		Chain Link Fences and Gates (32 31 13)		
32 31 13 13-0001		Post Holes (32 31 13 13)		
		Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0081 for core drilling in concrete, 02 41 19 13-0219 for core drilling in asphalt.		
32 31 13 13-0002		Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)		
32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.19	
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	11.47	
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	13.59	
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	15.29	
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	16.68	
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	18.35	
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	20.38	
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	22.93	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0011 VLF 18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	26.21	
32 31 13 13-0012 VLF 24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	30.59	
32 31 13 13-0013 VLF 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	36.70	
32 31 13 13-0014 VLF 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	45.87	
32 31 13 13-0015 Post Hole In Rock (32 31 13 13-0001)		
32 31 13 13-0016 CF Jackhammer Post Hole In Rock	77.73	
32 31 13 13-0017 CF Rock Drill Post Hole In Rock	21.28	
32 31 13 13-0018 Fill For Post Holes (32 31 13 13-0001) See CSI section 03 21 00 00-0000 for reinforcing steel.		
32 31 13 13-0019 Concrete Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0020 VLF Up To 2-1/2" Diameter, Concrete Fill For Post Hole	6.31	
32 31 13 13-0021 VLF 2-1/2" Diameter, Concrete Fill For Post Hole	8.10	
32 31 13 13-0022 VLF 3" Diameter, Concrete Fill For Post Hole	8.94	
32 31 13 13-0023 VLF 4" Diameter, Concrete Fill For Post Hole	10.31	
32 31 13 13-0024 VLF 6" Diameter, Concrete Fill For Post Hole	14.56	
32 31 13 13-0025 VLF 8" Diameter, Concrete Fill For Post Hole	19.44	
32 31 13 13-0026 VLF 10" Diameter, Concrete Fill For Post Hole	23.79	
32 31 13 13-0027 VLF 12" Diameter, Concrete Fill For Post Hole	27.77	
32 31 13 13-0028 VLF 18" Diameter, Concrete Fill For Post Hole	37.94	
32 31 13 13-0029 VLF 24" Diameter, Concrete Fill For Post Hole	47.19	
32 31 13 13-0030 VLF 30" Diameter, Concrete Fill For Post Hole	56.21	
32 31 13 13-0031 VLF 36" Diameter, Concrete Fill For Post Hole	65.60	
32 31 13 13-0032 Grout Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0033 VLF Up To 2-1/2" Diameter, Grout Fill For Post Hole	7.44	
32 31 13 13-0034 VLF 2-1/2" Diameter, Grout Fill For Post Hole	9.58	
32 31 13 13-0035 VLF 3" Diameter, Grout Fill For Post Hole	10.45	
32 31 13 13-0036 VLF 4" Diameter, Grout Fill For Post Hole	11.79	
32 31 13 13-0037 VLF 6" Diameter, Grout Fill For Post Hole	16.49	
32 31 13 13-0038 VLF 8" Diameter, Grout Fill For Post Hole	22.02	
32 31 13 13-0039 VLF 10" Diameter, Grout Fill For Post Hole	26.85	
32 31 13 13-0040 VLF 12" Diameter, Grout Fill For Post Hole	31.19	
32 31 13 13-0041 VLF 18" Diameter, Grout Fill For Post Hole	41.82	
32 31 13 13-0042 VLF 24" Diameter, Grout Fill For Post Hole	51.23	
32 31 13 13-0043 VLF 30" Diameter, Grout Fill For Post Hole	60.35	
32 31 13 13-0044 VLF 36" Diameter, Grout Fill For Post Hole	69.72	
32 31 13 13-0045 Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0046 VLF Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	5.19	
32 31 13 13-0047 VLF 2-1/2" Diameter, Compacted Earth Fill For Post Hole	6.75	
32 31 13 13-0048 VLF 3" Diameter, Compacted Earth Fill For Post Hole	7.06	
32 31 13 13-0049 VLF 4" Diameter, Compacted Earth Fill For Post Hole	7.27	
32 31 13 13-0050 VLF 6" Diameter, Compacted Earth Fill For Post Hole	9.71	
32 31 13 13-0051 VLF 8" Diameter, Compacted Earth Fill For Post Hole	12.95	
32 31 13 13-0052 VLF 10" Diameter, Compacted Earth Fill For Post Hole	15.54	
32 31 13 13-0053 VLF 12" Diameter, Compacted Earth Fill For Post Hole	17.62	
32 31 13 13-0054 VLF 18" Diameter, Compacted Earth Fill For Post Hole	21.47	
32 31 13 13-0055 VLF 24" Diameter, Compacted Earth Fill For Post Hole	24.09	
32 31 13 13-0056 VLF 30" Diameter, Compacted Earth Fill For Post Hole	26.42	
32 31 13 13-0057 VLF 36" Diameter, Compacted Earth Fill For Post Hole	28.50	
32 31 13 13-0058 Fence Posts (32 31 13 13) Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059 Fence Posts (32 31 13 13-0058)		
32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel (32 31 13 13-0059) Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length	22.97	3.61
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length	21.95	3.08
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length	20.70	2.54
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length	19.70	2.01
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length	19.02	1.74
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length	17.97	1.20
For Each Top Rail Fitting, Add	0.85	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0067	Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) (32 31 13 13-0059)			
Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.				
32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	15.75	3.34
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.27	
		For Vinyl Coated, Add	5.44	
		For Powder Coated, Add	7.25	
		For Aluminum Coated, Add	11.33	
		For Schedule 20, Deduct	-1.81	
		For Schedule 80, Add	5.02	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.60	2.81
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.24	
		For Vinyl Coated, Add	5.37	
		For Powder Coated, Add	7.16	
		For Aluminum Coated, Add	11.19	
		For Schedule 20, Deduct	-1.79	
		For Schedule 80, Add	4.86	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.40	2.27
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.22	
		For Vinyl Coated, Add	5.33	
		For Powder Coated, Add	7.11	
		For Aluminum Coated, Add	11.11	
		For Schedule 20, Deduct	-1.78	
		For Schedule 80, Add	4.72	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.47	1.74
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.22	
		For Vinyl Coated, Add	5.32	
		For Powder Coated, Add	7.09	
		For Aluminum Coated, Add	11.08	
		For Schedule 20, Deduct	-1.77	
		For Schedule 80, Add	4.61	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.86	1.47
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.21	
		For Vinyl Coated, Add	5.31	
		For Powder Coated, Add	7.08	
		For Aluminum Coated, Add	11.06	
		For Schedule 20, Deduct	-1.77	
		For Schedule 80, Add	4.55	
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.20	1.20
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.21	
		For Vinyl Coated, Add	5.30	
		For Powder Coated, Add	7.07	
		For Aluminum Coated, Add	11.05	
		For Schedule 20, Deduct	-1.77	
		For Schedule 80, Add	4.48	
32 31 13 13-0074	Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0059)			
Note: 2" outside diameter, Schedule 40. Includes cap and accessories.				
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	18.01	3.48
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.77	
		For Vinyl Coated, Add	6.65	
		For Powder Coated, Add	8.87	
		For Aluminum Coated, Add	13.86	
		For Schedule 20, Deduct	-2.22	
		For Schedule 80, Add	6.02	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	16.93	2.95
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.74	
		For Vinyl Coated, Add	6.56	
		For Powder Coated, Add	8.75	
		For Aluminum Coated, Add	13.68	
		For Schedule 20, Deduct	-2.19	
		For Schedule 80, Add	5.85	



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0077 LF 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	15.65 1.35 2.65 4.88 2.72 6.52 8.70 13.59 -2.17 5.70	2.41
32 31 13 13-0078 LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	14.65 1.35 2.65 4.88 2.71 6.50 8.66 13.54 -2.17 5.58	1.88
32 31 13 13-0079 LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	14.00 1.35 2.65 4.88 2.70 6.49 8.65 13.51 -2.16 5.51	1.60
32 31 13 13-0080 LF 2" Outside Diameter Galvanized Steel Post, >24' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	13.40 1.35 2.65 4.88 2.70 6.49 8.65 13.51 -2.16 5.45	1.34
32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0059) Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	21.95 1.35 2.65 4.88 3.67 8.80 11.73 18.33 -2.93 7.77	3.74
32 31 13 13-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	20.76 1.35 2.65 4.88 3.62 8.69 11.59 18.11 -2.90 7.58	3.21
32 31 13 13-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	19.43 1.35 2.65 4.88 3.60 8.65 11.53 18.01 -2.88 7.42	2.54
32 31 13 13-0085 LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	18.39 1.35 2.65 4.88 3.59 8.62 11.50 17.96 -2.87 7.30	2.01

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	17.69	1.74
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.59	
			For Vinyl Coated, Add	8.61	
			For Powder Coated, Add	11.48	
			For Aluminum Coated, Add	17.94	
			For Schedule 20, Deduct	-2.87	
			For Schedule 80, Add	7.22	
32 31 13	13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	17.05	1.34
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.59	
			For Vinyl Coated, Add	8.60	
			For Powder Coated, Add	11.47	
			For Aluminum Coated, Add	17.93	
			For Schedule 20, Deduct	-2.87	
			For Schedule 80, Add	7.15	
32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) (32 31 13 13-0059)					
Note: 3" outside diameter, Schedule 40. Includes cap and accessories.					
32 31 13	13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	30.18	4.02
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.54	
			For Vinyl Coated, Add	13.30	
			For Powder Coated, Add	17.73	
			For Aluminum Coated, Add	27.70	
			For Schedule 20, Deduct	-4.43	
			For Schedule 80, Add	11.44	
32 31 13	13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	28.73	3.48
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.45	
			For Vinyl Coated, Add	13.09	
			For Powder Coated, Add	17.45	
			For Aluminum Coated, Add	27.26	
			For Schedule 20, Deduct	-4.36	
			For Schedule 80, Add	11.16	
32 31 13	13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	27.22	2.81
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.41	
			For Vinyl Coated, Add	12.98	
			For Powder Coated, Add	17.31	
			For Aluminum Coated, Add	27.05	
			For Schedule 20, Deduct	-4.33	
			For Schedule 80, Add	10.95	
32 31 13	13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	26.00	2.27
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.39	
			For Vinyl Coated, Add	12.93	
			For Powder Coated, Add	17.24	
			For Aluminum Coated, Add	26.94	
			For Schedule 20, Deduct	-4.31	
			For Schedule 80, Add	10.79	
32 31 13	13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	25.22	1.88
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.38	
			For Vinyl Coated, Add	12.91	
			For Powder Coated, Add	17.21	
			For Aluminum Coated, Add	26.89	
			For Schedule 20, Deduct	-4.30	
			For Schedule 80, Add	10.70	
32 31 13	13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	24.51	1.47
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.38	
			For Vinyl Coated, Add	12.90	
			For Powder Coated, Add	17.20	
			For Aluminum Coated, Add	26.88	
			For Schedule 20, Deduct	-4.30	
			For Schedule 80, Add	10.62	



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0095		Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) (32 31 13 13-0095) Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	44.62	4.28
		For Each Top Rail Fitting, Add	2.60	
		For Each Single Barbed Wire Arm, Add	5.10	
		For Each Double Barbed Wire Arm, Add	11.25	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	9.04	
		For Vinyl Coated, Add	21.70	
		For Powder Coated, Add	28.94	
		For Aluminum Coated, Add	45.21	
		For Schedule 20, Deduct	-7.23	
		For Schedule 80, Add	18.21	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	42.58	3.48
		For Each Top Rail Fitting, Add	2.60	
		For Each Single Barbed Wire Arm, Add	5.10	
		For Each Double Barbed Wire Arm, Add	11.25	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	8.89	
		For Vinyl Coated, Add	21.32	
		For Powder Coated, Add	28.43	
		For Aluminum Coated, Add	44.43	
		For Schedule 20, Deduct	-7.11	
		For Schedule 80, Add	17.76	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	41.09	2.95
		For Each Top Rail Fitting, Add	2.60	
		For Each Single Barbed Wire Arm, Add	5.10	
		For Each Double Barbed Wire Arm, Add	11.25	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	8.81	
		For Vinyl Coated, Add	21.14	
		For Powder Coated, Add	28.18	
		For Aluminum Coated, Add	44.04	
		For Schedule 20, Deduct	-7.05	
		For Schedule 80, Add	17.50	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	39.76	2.41
		For Each Top Rail Fitting, Add	2.60	
		For Each Single Barbed Wire Arm, Add	5.10	
		For Each Double Barbed Wire Arm, Add	11.25	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	8.77	
		For Vinyl Coated, Add	21.04	
		For Powder Coated, Add	28.06	
		For Aluminum Coated, Add	43.84	
		For Schedule 20, Deduct	-7.01	
		For Schedule 80, Add	17.30	
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	39.68	2.41
		For Each Top Rail Fitting, Add	2.60	
		For Each Single Barbed Wire Arm, Add	5.10	
		For Each Double Barbed Wire Arm, Add	11.25	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	8.75	
		For Vinyl Coated, Add	20.99	
		For Powder Coated, Add	27.99	
		For Aluminum Coated, Add	43.74	
		For Schedule 20, Deduct	-7.00	
		For Schedule 80, Add	17.26	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	38.32	1.74
		For Each Top Rail Fitting, Add	2.60	
		For Each Single Barbed Wire Arm, Add	5.10	
		For Each Double Barbed Wire Arm, Add	11.25	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	8.75	
		For Vinyl Coated, Add	20.99	
		For Powder Coated, Add	27.98	
		For Aluminum Coated, Add	43.73	
		For Schedule 20, Deduct	-7.00	
		For Schedule 80, Add	17.12	
32 31 13 13-0102		Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0099) Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	88.72	4.68
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	19.83	
		For Vinyl Coated, Add	47.60	
		For Powder Coated, Add	63.46	
		For Aluminum Coated, Add	99.16	
		For Schedule 20, Deduct	-15.87	
		For Schedule 80, Add	39.02	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	84.81	3.88
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	19.24	
		For Vinyl Coated, Add	46.16	
		For Powder Coated, Add	61.55	
		For Aluminum Coated, Add	96.18	
		For Schedule 20, Deduct	-15.39	
		For Schedule 80, Add	37.72	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	82.28	3.21
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.94	
			For Vinyl Coated, Add	45.45	
			For Powder Coated, Add	60.60	
			For Aluminum Coated, Add	94.69	
			For Schedule 20, Deduct	-15.15	
			For Schedule 80, Add	37.01	
32 31 13	13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	80.37	2.54
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.79	
			For Vinyl Coated, Add	45.10	
			For Powder Coated, Add	60.13	
			For Aluminum Coated, Add	93.95	
			For Schedule 20, Deduct	-15.03	
			For Schedule 80, Add	36.60	
32 31 13	13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	79.31	2.27
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.72	
			For Vinyl Coated, Add	44.92	
			For Powder Coated, Add	59.89	
			For Aluminum Coated, Add	93.58	
			For Schedule 20, Deduct	-14.97	
			For Schedule 80, Add	36.38	
32 31 13	13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	78.51	1.88
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.70	
			For Vinyl Coated, Add	44.88	
			For Powder Coated, Add	59.84	
			For Aluminum Coated, Add	93.50	
			For Schedule 20, Deduct	-14.96	
			For Schedule 80, Add	36.28	
32 31 13	13-0109		Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0059)		
			Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	172.61	5.22
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	40.55	
			For Vinyl Coated, Add	97.31	
			For Powder Coated, Add	129.75	
			For Aluminum Coated, Add	202.74	
			For Schedule 20, Deduct	-32.44	
			For Schedule 80, Add	78.89	
32 31 13	13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	166.17	4.41
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	39.36	
			For Vinyl Coated, Add	94.47	
			For Powder Coated, Add	125.96	
			For Aluminum Coated, Add	196.81	
			For Schedule 20, Deduct	-31.49	
			For Schedule 80, Add	76.45	
32 31 13	13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	162.30	3.61
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	38.77	
			For Vinyl Coated, Add	93.04	
			For Powder Coated, Add	124.06	
			For Aluminum Coated, Add	193.84	
			For Schedule 20, Deduct	-31.01	
			For Schedule 80, Add	75.16	
32 31 13	13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	159.62	2.81
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	38.47	
			For Vinyl Coated, Add	92.33	
			For Powder Coated, Add	123.11	
			For Aluminum Coated, Add	192.36	
			For Schedule 20, Deduct	-30.78	
			For Schedule 80, Add	74.44	



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length..... For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	158.25 7.50 9.15 18.95 38.32 91.97 122.63 191.61 -30.66 74.08	2.41
32 31 13	13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length..... For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	157.31 7.50 9.15 18.95 38.29 91.90 122.54 191.46 -30.63 73.94	2.01
32 31 13	13-0116		Driven Post Supports (32 31 13 13) Note: OZ-Post.		
32 31 13	13-0117		Driven Post Support For Round Chain Link Fence Posts (32 31 13 13-0116)		
32 31 13	13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post..... Note: OZ-Post GB-700.	81.46	
32 31 13	13-0119	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post..... Note: OZ-Post HB-700.	81.46	
32 31 13	13-0120	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post..... Note: OZ-Post IS-600.	83.49	
32 31 13	13-0121	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post..... Note: OZ-Post ISW-850.	100.48	
32 31 13	13-0122		Driven Post Support For Square Ornamental Fence Posts (32 31 13 13-0116)		
32 31 13	13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post..... Note: OZ-Post C175-850.	94.39	
32 31 13	13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post..... Note: OZ-Post I2-600.	91.34	
32 31 13	13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post..... Note: OZ-Post I2-850.	95.00	
32 31 13	13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post..... Note: OZ-Post I25-850.	100.48	
32 31 13	13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post..... Note: OZ-Post I3-850.	100.48	
32 31 13	13-0128		Driven Post Support For Wooden Fence Posts (32 31 13 13-0116)		
32 31 13	13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-600.	92.29	
32 31 13	13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-850.	97.43	
32 31 13	13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post..... Note: OZ-Post C4-850.	104.55	
32 31 13	13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post..... Note: OZ-Post P4-850.	104.55	
32 31 13	13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post..... Note: OZ-Post T46-850.	117.76	
32 31 13	13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post..... Note: OZ-Post T6-850.	127.10	
32 31 13	13-0135		Driven Post Support For Vinyl Fence Posts (32 31 13 13-0116)		
32 31 13	13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post..... Note: OZ-Post T4-600.	92.29	
32 31 13	13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post..... Note: OZ-Post T4-850.	97.43	
32 31 13	13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	104.55	
32 31 13	13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	106.17	
32 31 13	13-0140		Chain Link Fence Assemblies (32 31 13 13)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
32 31 13 13-0141	Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13 13-0140) Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0684 for barb wire attachments.				
32 31 13 13-0142	Galvanized (32 31 13 13-0141)				
32 31 13 13-0143	LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.48		4.55	
	For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.12			
	For 13 Gauge Fabric, Deduct	-9.26			
	For 11 Gauge Fabric, Deduct	-5.41			
	For 6 Gauge Fabric, Add	8.50			
	For 1" Mesh Fabric, Add	11.60			
	For 1-3/4" Mesh Fabric, Add	4.64			
	For 2-1/8" Mesh Fabric, Deduct	-2.32			
	For 2-3/8" Mesh Fabric, Deduct	-3.09			
	For Posts 8' On Centers, Add	2.44			
	For Posts 5' On Centers, Add	9.16			
	For 3/8" Non-Climbable Mesh, Add	33.06			
	For Up To 100, Add	8.45			
	For >100 To 250, Add	3.12			
	For >2,500 To 5,000, Deduct	-1.56			
	For >5,000, Deduct	-3.12			
32 31 13 13-0144	LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	46.21		4.55	
	For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.22			
	For 13 Gauge Fabric, Deduct	-9.77			
	For 11 Gauge Fabric, Deduct	-5.71			
	For 6 Gauge Fabric, Add	8.97			
	For 1" Mesh Fabric, Add	12.23			
	For 1-3/4" Mesh Fabric, Add	4.89			
	For 2-1/8" Mesh Fabric, Deduct	-2.45			
	For 2-3/8" Mesh Fabric, Deduct	-3.26			
	For Posts 8' On Centers, Add	2.53			
	For Posts 5' On Centers, Add	9.49			
	For 3/8" Non-Climbable Mesh, Add	37.89			
	For Up To 100, Add	8.74			
	For >100 To 250, Add	3.22			
	For >2,500 To 5,000, Deduct	-1.61			
	For >5,000, Deduct	-3.22			
32 31 13 13-0145	LF 4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	47.75		4.55	
	For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.31			
	For 13 Gauge Fabric, Deduct	-10.21			
	For 11 Gauge Fabric, Deduct	-5.96			
	For 6 Gauge Fabric, Add	9.37			
	For 1" Mesh Fabric, Add	12.78			
	For 1-3/4" Mesh Fabric, Add	5.11			
	For 2-1/8" Mesh Fabric, Deduct	-2.56			
	For 2-3/8" Mesh Fabric, Deduct	-3.41			
	For Posts 8' On Centers, Add	2.61			
	For Posts 5' On Centers, Add	9.79			
	For 3/8" Non-Climbable Mesh, Add	42.77			
	For Up To 100, Add	9.00			
	For >100 To 250, Add	3.31			
	For >2,500 To 5,000, Deduct	-1.65			
	For >5,000, Deduct	-3.31			
32 31 13 13-0146	LF 5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	51.32		4.55	
	For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.51			
	For 13 Gauge Fabric, Deduct	-11.24			
	For 11 Gauge Fabric, Deduct	-6.57			
	For 6 Gauge Fabric, Add	10.32			
	For 1" Mesh Fabric, Add	14.07			
	For 1-3/4" Mesh Fabric, Add	5.63			
	For 2-1/8" Mesh Fabric, Deduct	-2.81			
	For 2-3/8" Mesh Fabric, Deduct	-3.75			
	For Posts 8' On Centers, Add	2.79			
	For Posts 5' On Centers, Add	10.47			
	For 3/8" Non-Climbable Mesh, Add	51.89			
	For Up To 100, Add	9.60			
	For >100 To 250, Add	3.51			
	For >2,500 To 5,000, Deduct	-1.76			
	For >5,000, Deduct	-3.51			



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	55.56 3.79 -12.29 -7.18 11.28 15.38 6.15 -3.08 -4.10 3.02 11.31 61.06 10.35 3.79 -1.89 -3.79	4.55
32 31 13	13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	57.60 3.93 -12.73 -7.44 11.69 15.94 6.38 -3.19 -4.25 3.13 11.73 70.38 10.74 3.93 -1.96 -3.93	6.82
32 31 13	13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	65.39 4.39 -14.97 -8.74 13.74 18.74 7.49 -3.75 -5.00 3.54 13.22 79.80 12.04 4.39 -2.19 -4.39	7.96
32 31 13	13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	69.70 4.65 -16.10 -9.40 14.78 20.15 8.06 -4.03 -5.37 3.77 14.07 87.99 12.79 4.65 -2.33 -4.65	10.23
32 31 13	13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	74.02 4.92 -17.23 -10.06 15.81 21.56 8.63 -4.31 -5.75 3.99 14.91 96.46 13.55 4.92 -2.46 -4.92	11.37

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		82.16	13.65
		For Each Additional Foot >12, Add		4.40	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add		5.43	
		For 13 Gauge Fabric, Deduct		-19.34	
		For 11 Gauge Fabric, Deduct		-11.30	
		For 6 Gauge Fabric, Add		17.76	
		For 1" Mesh Fabric, Add		24.21	
		For 1-3/4" Mesh Fabric, Add		9.68	
		For 2-1/8" Mesh Fabric, Deduct		-4.84	
		For 2-3/8" Mesh Fabric, Deduct		-6.46	
		For Posts 8' On Centers, Add		4.43	
		For Posts 5' On Centers, Add		16.51	
		For 3/8" Non-Climbable Mesh, Add		104.63	
		For Up To 100, Add		14.97	
		For >100 To 250, Add		5.43	
		For >2,500 To 5,000, Deduct		-2.72	
		For >5,000, Deduct		-5.43	
32 31 13 13-0153		Vinyl Coated (32 31 13 13-0141)			
32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		49.39	4.55
		For Powder Coated Framework (Posts, Rails, Hardware), Add		4.65	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add		3.39	
		For 13 Gauge Fabric, Deduct		-10.78	
		For 11 Gauge Fabric, Deduct		-6.30	
		For 6 Gauge Fabric, Add		9.89	
		For 1" Mesh Fabric, Add		13.49	
		For 1-3/4" Mesh Fabric, Add		5.40	
		For 2-1/8" Mesh Fabric, Deduct		-2.70	
		For 2-3/8" Mesh Fabric, Deduct		-3.60	
		For Posts 8' On Centers, Add		2.69	
		For Posts 5' On Centers, Add		10.08	
		For 3/8" Non-Climbable Mesh, Add		47.91	
		For Up To 100, Add		9.25	
		For >100 To 250, Add		3.39	
		For >2,500 To 5,000, Deduct		-1.69	
		For >5,000, Deduct		-3.39	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		53.39	4.55
		For Powder Coated Framework (Posts, Rails, Hardware), Add		5.16	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add		3.62	
		For 13 Gauge Fabric, Deduct		-11.96	
		For 11 Gauge Fabric, Deduct		-6.99	
		For 6 Gauge Fabric, Add		10.98	
		For 1" Mesh Fabric, Add		14.97	
		For 1-3/4" Mesh Fabric, Add		5.99	
		For 2-1/8" Mesh Fabric, Deduct		-2.99	
		For 2-3/8" Mesh Fabric, Deduct		-3.99	
		For Posts 8' On Centers, Add		2.90	
		For Posts 5' On Centers, Add		10.84	
		For 3/8" Non-Climbable Mesh, Add		58.31	
		For Up To 100, Add		9.91	
		For >100 To 250, Add		3.62	
		For >2,500 To 5,000, Deduct		-1.81	
		For >5,000, Deduct		-3.62	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		59.77	4.55
		For Powder Coated Framework (Posts, Rails, Hardware), Add		5.94	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add		4.00	
		For 13 Gauge Fabric, Deduct		-13.75	
		For 11 Gauge Fabric, Deduct		-8.03	
		For 6 Gauge Fabric, Add		12.62	
		For 1" Mesh Fabric, Add		17.21	
		For 1-3/4" Mesh Fabric, Add		6.89	
		For 2-1/8" Mesh Fabric, Deduct		-3.44	
		For 2-3/8" Mesh Fabric, Deduct		-4.59	
		For Posts 8' On Centers, Add		3.23	
		For Posts 5' On Centers, Add		12.07	
		For 3/8" Non-Climbable Mesh, Add		68.76	
		For Up To 100, Add		10.99	
		For >100 To 250, Add		4.00	
		For >2,500 To 5,000, Deduct		-2.00	
		For >5,000, Deduct		-4.00	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0157	LF		7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i> <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	62.49 6.23 4.17 -14.43 -8.43 13.25 18.07 7.23 -3.61 -4.82 3.38 12.61 79.37 11.47 4.17 -2.09 -4.17	6.82
32 31 13 13-0158	LF		8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i> <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	71.08 7.31 4.67 -16.94 -9.90 15.55 21.21 8.48 -4.24 -5.66 3.82 14.25 90.07 12.89 4.67 -2.34 -4.67	7.96
32 31 13 13-0159	LF		9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i> <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	75.81 7.86 4.96 -18.22 -10.64 16.73 22.81 9.12 -4.56 -6.08 4.07 15.17 99.42 13.71 4.96 -2.48 -4.96	10.23
32 31 13 13-0160	LF		10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i> <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	80.55 8.42 5.25 -19.49 -11.39 17.90 24.40 9.76 -4.88 -6.51 4.32 16.09 109.05 14.53 5.25 -2.63 -5.25	11.37

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0161	LF		12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	87.90	13.65
			For Each Additional Foot >12, Add.....	4.65	
			For Powder Coated Framework (Posts, Rails, Hardware), Add.....	9.21	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add.....	5.72	
			For 13 Gauge Fabric, Deduct.....	-21.34	
			For 11 Gauge Fabric, Deduct.....	-12.46	
			For 6 Gauge Fabric, Add.....	19.59	
			For 1" Mesh Fabric, Add.....	26.71	
			For 1-3/4" Mesh Fabric, Add.....	10.68	
			For 2-1/8" Mesh Fabric, Deduct.....	-5.34	
			For 2-3/8" Mesh Fabric, Deduct.....	-7.12	
			For Posts 8' On Centers, Add.....	4.71	
			For Posts 5' On Centers, Add.....	17.54	
			For 3/8" Non-Climbable Mesh, Add.....	118.27	
			For Up To 100, Add.....	15.84	
			For >100 To 250, Add.....	5.72	
			For >2,500 To 5,000, Deduct.....	-2.86	
			For >5,000, Deduct.....	-5.72	
32 31 13 13-0162			Rails (32 31 13 13)		
			Note: Includes rail end fittings.		
32 31 13 13-0163			SS-20 Chain Link Fence Rails (32 31 13 13-0162)		
			Note: Includes tie wires.		
32 31 13 13-0164	LF		1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	8.10	1.47
			For SS15, Deduct.....	-0.50	
			For SS40, Add.....	1.26	
32 31 13 13-0165	LF		1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	9.79	1.47
			For SS40, Add.....	0.67	
			For Powder Coated, Add.....	1.34	
			For Aluminum Coated, Add.....	2.68	
32 31 13 13-0166	LF		1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	10.04	1.67
			For SS15, Deduct.....	-0.67	
			For SS40, Add.....	1.68	
32 31 13 13-0167	LF		1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	12.29	1.67
			For SS40, Add.....	0.90	
			For Powder Coated, Add.....	1.79	
			For Aluminum Coated, Add.....	3.58	
32 31 13 13-0168	LF		2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	11.77	1.88
			For SS40, Add.....	2.01	
32 31 13 13-0169	LF		2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	14.48	1.88
			For SS40, Add.....	1.07	
			For Powder Coated, Add.....	2.15	
			For Aluminum Coated, Add.....	4.30	
32 31 13 13-0170			SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal) (32 31 13 13-0162)		
32 31 13 13-0171	LF		1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings.....	10.58	1.47
			For SS40, Add.....	1.81	
32 31 13 13-0172	LF		1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings.....	12.84	1.47
			For SS40, Add.....	0.95	
			For Powder Coated, Add.....	1.90	
			For Aluminum Coated, Add.....	3.80	
32 31 13 13-0173			Fabric (32 31 13 13)		
32 31 13 13-0174			Fabric, Galvanized Chain Link (32 31 13 13-0173)		
32 31 13 13-0175	LF		3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.74	2.67
			For 1-1/4" Mesh Fabric, Add.....	1.13	
			For 2 Oz Galvanized Or Zinc Coating, Add.....	1.01	
			For 13 Gauge Fabric, Deduct.....	-1.82	
			For 11 Gauge Fabric, Deduct.....	-1.01	
			For 6 Gauge Fabric, Add.....	3.23	
			For 1" Mesh Fabric, Add.....	3.03	
			For 1-1/4" Mesh Fabric, Add.....	2.02	
			For 1-3/4" Mesh Fabric, Add.....	1.21	
			For 2-1/8" Mesh Fabric, Deduct.....	-0.61	
			For 2-3/8" Mesh Fabric, Deduct.....	-0.81	
			For 3/8" Non-Climbable Mesh, Add.....	34.36	
32 31 13 13-0176	LF		3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	14.08	3.01
			For 1-1/4" Mesh Fabric, Add.....	1.32	
			For 2 Oz Galvanized Or Zinc Coating, Add.....	1.18	
			For 13 Gauge Fabric, Deduct.....	-2.12	
			For 11 Gauge Fabric, Deduct.....	-1.18	
			For 6 Gauge Fabric, Add.....	3.77	
			For 1" Mesh Fabric, Add.....	3.53	
			For 1-1/4" Mesh Fabric, Add.....	2.36	
			For 1-3/4" Mesh Fabric, Add.....	1.41	
			For 2-1/8" Mesh Fabric, Deduct.....	-0.71	
			For 2-3/8" Mesh Fabric, Deduct.....	-0.94	
			For 3/8" Non-Climbable Mesh, Add.....	39.30	



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0177	LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh..... For 1-1/4" Mesh Fabric, Add For 2 Oz Galvanized Or Zinc Coating, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add	15.21 1.45 1.30 -2.33 -1.30 4.14 3.89 2.59 1.55 -0.78 -1.04 44.27	3.34
32 31	13	13-0178	LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh..... For 1-1/4" Mesh Fabric, Add For 2 Oz Galvanized Or Zinc Coating, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add	17.16 1.81 1.62 -2.91 -1.62 5.17 4.85 3.23 1.94 -0.97 -1.29 53.48	4.02
32 31	13	13-0179	LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh..... For 1-1/4" Mesh Fabric, Add For 2 Oz Galvanized Or Zinc Coating, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add	19.23 2.18 1.94 -3.50 -1.94 6.22 5.83 3.89 2.33 -1.17 -1.55 62.78	4.68
32 31	13	13-0180	LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh..... For 1-1/4" Mesh Fabric, Add For 2 Oz Galvanized Or Zinc Coating, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add	21.40 2.53 2.26 -4.07 -2.26 7.24 6.79 4.53 2.72 -1.36 -1.81 72.23	5.35
32 31	13	13-0181	LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh..... For 1-1/4" Mesh Fabric, Add For 2 Oz Galvanized Or Zinc Coating, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add	23.72 2.90 2.59 -4.66 -2.59 8.28 7.76 5.18 3.11 -1.55 -2.07 81.81	6.69
32 31	13	13-0182	LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh..... For 1-1/4" Mesh Fabric, Add For 2 Oz Galvanized Or Zinc Coating, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add	28.20 3.76 3.36 -6.05 -3.36 10.75 10.08 6.72 4.03 -2.02 -2.69 98.68	7.36
32 31	13	13-0183	LF 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh..... For 1-1/4" Mesh Fabric, Add For 2 Oz Galvanized Or Zinc Coating, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add	32.17 4.51 4.03 -7.25 -4.03 12.89 12.08 8.06 4.83 -2.42 -3.22 107.04	8.02

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0184	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	36.03	9.37
		For 1-1/4" Mesh Fabric, Add	4.84	
		For 2 Oz Galvanized Or Zinc Coating, Add	4.33	
		For 13 Gauge Fabric, Deduct	-7.79	
		For 11 Gauge Fabric, Deduct	-4.33	
		For 6 Gauge Fabric, Add	13.84	
		For 1" Mesh Fabric, Add	12.98	
		For 1-1/4" Mesh Fabric, Add	8.65	
		For 1-3/4" Mesh Fabric, Add	5.19	
		For 2-1/8" Mesh Fabric, Deduct	-2.60	
		For 2-3/8" Mesh Fabric, Deduct	-3.46	
		For 3/8" Non-Climbable Mesh, Add	116.78	
32 31 13 13-0185	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	39.91	10.70
		For 1-1/4" Mesh Fabric, Add	5.18	
		For 2 Oz Galvanized Or Zinc Coating, Add	4.63	
		For 13 Gauge Fabric, Deduct	-8.33	
		For 11 Gauge Fabric, Deduct	-4.63	
		For 6 Gauge Fabric, Add	14.80	
		For 1" Mesh Fabric, Add	13.88	
		For 1-1/4" Mesh Fabric, Add	9.25	
		For 1-3/4" Mesh Fabric, Add	5.55	
		For 2-1/8" Mesh Fabric, Deduct	-2.78	
		For 2-3/8" Mesh Fabric, Deduct	-3.70	
		For 3/8" Non-Climbable Mesh, Add	126.54	
32 31 13 13-0186	SF	>16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	2.50	0.63
		For 1-1/4" Mesh Fabric, Add	0.32	
		For 2 Oz Galvanized Or Zinc Coating, Add	0.29	
		For 13 Gauge Fabric, Deduct	-0.52	
		For 11 Gauge Fabric, Deduct	-0.29	
		For 6 Gauge Fabric, Add	0.93	
		For 1" Mesh Fabric, Add	0.87	
		For 1-1/4" Mesh Fabric, Add	0.58	
		For 1-3/4" Mesh Fabric, Add	0.35	
		For 2-1/8" Mesh Fabric, Deduct	-0.17	
		For 2-3/8" Mesh Fabric, Deduct	-0.23	
32 31 13 13-0187		Fabric, Vinyl Coated Chain Link (32 31 13 13-0173)		
32 31 13 13-0188	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	16.86	2.67
		For 1-1/4" Mesh Fabric, Add	1.91	
		For 13 Gauge Fabric, Deduct	-3.07	
		For 11 Gauge Fabric, Deduct	-1.71	
		For 6 Gauge Fabric, Add	5.46	
		For 1" Mesh Fabric, Add	5.12	
		For 1-1/4" Mesh Fabric, Add	3.42	
		For 1-3/4" Mesh Fabric, Add	2.05	
		For 2-1/8" Mesh Fabric, Deduct	-1.02	
		For 2-3/8" Mesh Fabric, Deduct	-1.37	
		For 3/8" Non-Climbable Mesh, Add	49.41	
		For Aluminum Coated, Add	2.73	
32 31 13 13-0189	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	19.23	4.02
		For 1-1/4" Mesh Fabric, Add	2.39	
		For 13 Gauge Fabric, Deduct	-3.84	
		For 11 Gauge Fabric, Deduct	-2.13	
		For 6 Gauge Fabric, Add	6.82	
		For 1" Mesh Fabric, Add	6.40	
		For 1-1/4" Mesh Fabric, Add	4.27	
		For 1-3/4" Mesh Fabric, Add	2.56	
		For 2-1/8" Mesh Fabric, Deduct	-1.28	
		For 2-3/8" Mesh Fabric, Deduct	-1.71	
		For 3/8" Non-Climbable Mesh, Add	59.90	
		For Aluminum Coated, Add	3.41	
32 31 13 13-0190	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	23.43	4.68
		For 1-1/4" Mesh Fabric, Add	3.35	
		For 13 Gauge Fabric, Deduct	-5.39	
		For 11 Gauge Fabric, Deduct	-2.99	
		For 6 Gauge Fabric, Add	9.58	
		For 1" Mesh Fabric, Add	8.98	
		For 1-1/4" Mesh Fabric, Add	5.99	
		For 1-3/4" Mesh Fabric, Add	3.59	
		For 2-1/8" Mesh Fabric, Deduct	-1.80	
		For 2-3/8" Mesh Fabric, Deduct	-2.39	
		For 3/8" Non-Climbable Mesh, Add	70.48	
		For Aluminum Coated, Add	4.79	
32 31 13 13-0191	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	26.28	5.35
		For 1-1/4" Mesh Fabric, Add	3.90	
		For 13 Gauge Fabric, Deduct	-6.27	
		For 11 Gauge Fabric, Deduct	-3.48	
		For 6 Gauge Fabric, Add	11.14	
		For 1" Mesh Fabric, Add	10.45	
		For 1-1/4" Mesh Fabric, Add	6.97	
		For 1-3/4" Mesh Fabric, Add	4.18	
		For 2-1/8" Mesh Fabric, Deduct	-2.09	
		For 2-3/8" Mesh Fabric, Deduct	-2.79	
		For 3/8" Non-Climbable Mesh, Add	81.22	
		For Aluminum Coated, Add	5.57	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0192	LF	8'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add For Aluminum Coated, Add	29.41 4.49 -7.22 -4.01 12.83 12.03 8.02 4.81 -2.41 -3.21 92.08 6.42	6.69
32 31 13 13-0193	LF	10'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add For Aluminum Coated, Add	34.73 5.59 -8.99 -4.99 15.98 14.98 9.99 5.99 -3.00 -3.99 111.27 7.99	7.36
32 31 13 13-0194	LF	12'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add For Aluminum Coated, Add	37.90 6.12 -9.83 -5.46 17.47 16.38 10.92 6.55 -3.28 -4.37 120.68 8.74	8.02
32 31 13 13-0195	LF	14'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add For Aluminum Coated, Add	42.77 6.73 -10.82 -6.01 19.23 18.03 12.02 7.21 -3.61 -4.81 131.49 9.62	9.37
32 31 13 13-0196	LF	16'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For 3/8" Non-Climbable Mesh, Add For Aluminum Coated, Add	47.76 7.38 -11.86 -6.59 21.08 19.76 13.18 7.91 -3.95 -5.27 142.31 10.54	10.70
32 31 13 13-0197	SF	>16'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Aluminum Coated, Add	2.99 0.46 -0.74 -0.41 1.32 1.24 0.83 0.50 -0.25 -0.33 0.66	0.63
32 31 13 13-0198	Fabric, Aluminized Steel Chain Link (32 31 13 13-0173)				
32 31 13 13-0199	LF	3'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add	12.41 2.97 3.90	2.67
32 31 13 13-0200	LF	3'-6"	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add	13.69 3.46 4.54	3.01
32 31 13 13-0201	LF	4'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add	14.97 3.95 5.19	3.34
32 31 13 13-0202	LF	5'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add	16.87 4.94 6.48	4.02

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0203	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.84 5.90 7.75	4.68
32 31 13 13-0204	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	20.98 6.90 9.06	5.35
32 31 13 13-0205	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	23.23 7.89 10.35	6.69
32 31 13 13-0206	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	27.08 9.86 12.94	7.36
32 31 13 13-0207	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.84 11.82 15.52	8.02
32 31 13 13-0208 Fabric, All Aluminum Chain Link (32 31 13 13-0173)				
32 31 13 13-0209	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.41 7.77 10.20	2.67
32 31 13 13-0210	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	20.70 9.06 11.90	3.01
32 31 13 13-0211	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	22.98 10.36 13.60	3.34
32 31 13 13-0212	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	26.89 12.95 17.00	4.02
32 31 13 13-0213	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.88 15.54 20.39	4.68
32 31 13 13-0214	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	35.01 18.13 23.79	5.35
32 31 13 13-0215	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	39.27 20.72 27.20	6.69
32 31 13 13-0216	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	47.13 25.90 33.99	7.36
32 31 13 13-0217	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	54.91 31.08 40.79	8.02
32 31 13 13-0218 Fence Inserts (32 31 13 13-0173)				
Note: For use with new or existing chain link fence, per lf of fence.				
32 31 13 13-0219 Vinyl Plastic Fence Inserts (32 31 13 13-0218)				
Note: Assorted colors.				
32 31 13 13-0220	LF	3' High Fence, Vinyl Plastic Fence Insert.....	9.90	
32 31 13 13-0221	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert.....	11.30	
32 31 13 13-0222	LF	4' High Fence, Vinyl Plastic Fence Insert.....	12.45	
32 31 13 13-0223	LF	5' High Fence, Vinyl Plastic Fence Insert.....	15.62	
32 31 13 13-0224	LF	6' High Fence, Vinyl Plastic Fence Insert.....	18.68	
32 31 13 13-0225	LF	7' High Fence, Vinyl Plastic Fence Insert.....	21.85	
32 31 13 13-0226	LF	8' High Fence, Vinyl Plastic Fence Insert.....	24.92	
32 31 13 13-0227	LF	10' High Fence, Vinyl Plastic Fence Insert.....	30.35	
32 31 13 13-0228 Aluminum Fence Inserts (32 31 13 13-0218)				
Note: Assorted colors.				
32 31 13 13-0229	LF	3' High Fence, Aluminum Fence Insert.....	33.72	
32 31 13 13-0230	LF	3-1/2' High Fence, Aluminum Fence Insert.....	36.99	
32 31 13 13-0231	LF	4' High Fence, Aluminum Fence Insert.....	42.03	
32 31 13 13-0232	LF	5' High Fence, Aluminum Fence Insert.....	52.58	
32 31 13 13-0233	LF	6' High Fence, Aluminum Fence Insert.....	63.10	
32 31 13 13-0234	LF	7' High Fence, Aluminum Fence Insert.....	68.56	
32 31 13 13-0235	LF	8' High Fence, Aluminum Fence Insert.....	84.11	
32 31 13 13-0236	LF	10' High Fence, Aluminum Fence Insert.....	104.70	
32 31 13 13-0237 Redwood Fence Inserts (32 31 13 13-0218)				
32 31 13 13-0238	LF	4' High Fence, Redwood Fence Insert.....	14.91	
32 31 13 13-0239	LF	5' High Fence, Redwood Fence Insert.....	18.87	
32 31 13 13-0240	LF	6' High Fence, Redwood Fence Insert.....	22.65	
32 31 13 13-0241	LF	7' High Fence, Redwood Fence Insert.....	26.37	
32 31 13 13-0242	LF	8' High Fence, Redwood Fence Insert.....	30.18	
32 31 13 13-0243 Diagonal Flexible Polyethylene Inserts (32 31 13 13-0218)				



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0244	SF	Diagonal Polyethylene Fence Weave	3.95	
32 31 13 13-0245		Hedge Link Fence Inserts (32 31 13 13-0218)		
32 31 13 13-0246	LF	3' High Fence, Hedge Link Fence Insert.....	21.22	
32 31 13 13-0247	LF	3-1/2' High Fence, Hedge Link Fence Insert.....	24.17	
32 31 13 13-0248	LF	4' High Fence, Hedge Link Fence Insert.....	28.31	
32 31 13 13-0249	LF	5' High Fence, Hedge Link Fence Insert.....	34.90	
32 31 13 13-0250	LF	6' High Fence, Hedge Link Fence Insert.....	39.91	
32 31 13 13-0251	LF	7' High Fence, Hedge Link Fence Insert.....	50.46	
32 31 13 13-0252	LF	8' High Fence, Hedge Link Fence Insert.....	57.30	
32 31 13 13-0253	LF	10' High Fence, Hedge Link Fence Insert.....	68.50	
32 31 13 13-0254	LF	12' High Fence, Hedge Link Fence Insert.....	78.58	
32 31 13 13-0255		Fence Windscreen Fabric (32 31 13 13-0173) Note: Includes plastic wire clips.		
32 31 13 13-0256	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.33	0.59
		For Sewn Boxed Vent (Each), Add	29.02	
		For Welded Boxed Vent (Each), Add	14.51	
		For 4' x 4' One Color Logo (Each), Add	604.58	
32 31 13 13-0257		Non-Climbable Fabric, Galvanized Chain Link (32 31 13 13-0173)		
32 31 13 13-0258	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	34.36	2.67
		For 11 Gauge, Deduct	-5.13	
		For 10 Gauge, Deduct	-2.05	
		For 7 Gauge, Add	3.08	
		For 6 Gauge, Add	7.18	
		For 1/2" Mesh Fabric, Deduct	-1.28	
		For 5/8" Mesh Fabric, Deduct	-2.82	
		For 3/4" Mesh Fabric, Deduct	-4.11	
32 31 13 13-0259	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	39.30	3.01
		For 11 Gauge, Deduct	-5.99	
		For 10 Gauge, Deduct	-2.39	
		For 7 Gauge, Add	3.59	
		For 6 Gauge, Add	8.38	
		For 1/2" Mesh Fabric, Deduct	-1.50	
		For 5/8" Mesh Fabric, Deduct	-3.29	
		For 3/4" Mesh Fabric, Deduct	-4.79	
32 31 13 13-0260	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	44.27	3.34
		For 11 Gauge, Deduct	-6.85	
		For 10 Gauge, Deduct	-2.74	
		For 7 Gauge, Add	4.11	
		For 6 Gauge, Add	9.59	
		For 1/2" Mesh Fabric, Deduct	-1.71	
		For 5/8" Mesh Fabric, Deduct	-3.77	
		For 3/4" Mesh Fabric, Deduct	-5.48	
32 31 13 13-0261	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	53.48	4.02
		For 11 Gauge, Deduct	-8.56	
		For 10 Gauge, Deduct	-3.42	
		For 7 Gauge, Add	5.13	
		For 6 Gauge, Add	11.98	
		For 1/2" Mesh Fabric, Deduct	-2.14	
		For 5/8" Mesh Fabric, Deduct	-4.71	
		For 3/4" Mesh Fabric, Deduct	-6.84	
32 31 13 13-0262	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	62.78	4.68
		For 11 Gauge, Deduct	-10.26	
		For 10 Gauge, Deduct	-4.11	
		For 7 Gauge, Add	6.16	
		For 6 Gauge, Add	14.37	
		For 1/2" Mesh Fabric, Deduct	-2.57	
		For 5/8" Mesh Fabric, Deduct	-5.65	
		For 3/4" Mesh Fabric, Deduct	-8.21	
32 31 13 13-0263	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	72.23	5.35
		For 11 Gauge, Deduct	-11.98	
		For 10 Gauge, Deduct	-4.79	
		For 7 Gauge, Add	7.19	
		For 6 Gauge, Add	16.77	
		For 1/2" Mesh Fabric, Deduct	-2.99	
		For 5/8" Mesh Fabric, Deduct	-6.59	
		For 3/4" Mesh Fabric, Deduct	-9.58	
32 31 13 13-0264	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	81.81	6.69
		For 11 Gauge, Deduct	-13.69	
		For 10 Gauge, Deduct	-5.48	
		For 7 Gauge, Add	8.21	
		For 6 Gauge, Add	19.16	
		For 1/2" Mesh Fabric, Deduct	-3.42	
		For 5/8" Mesh Fabric, Deduct	-7.53	
		For 3/4" Mesh Fabric, Deduct	-10.95	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0265	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	90.23	7.02
		For 11 Gauge, Deduct	-15.24	
		For 10 Gauge, Deduct	-6.09	
		For 7 Gauge, Add	9.14	
		For 6 Gauge, Add	21.33	
		For 1/2" Mesh Fabric, Deduct	-3.81	
		For 5/8" Mesh Fabric, Deduct	-8.38	
		For 3/4" Mesh Fabric, Deduct	-12.19	
32 31 13 13-0266	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	98.68	7.36
		For 11 Gauge, Deduct	-16.78	
		For 10 Gauge, Deduct	-6.71	
		For 7 Gauge, Add	10.07	
		For 6 Gauge, Add	23.50	
		For 1/2" Mesh Fabric, Deduct	-4.20	
		For 5/8" Mesh Fabric, Deduct	-9.23	
		For 3/4" Mesh Fabric, Deduct	-13.43	
32 31 13 13-0267	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	107.04	8.02
		For 11 Gauge, Deduct	-18.20	
		For 10 Gauge, Deduct	-7.28	
		For 7 Gauge, Add	10.92	
		For 6 Gauge, Add	25.47	
		For 1/2" Mesh Fabric, Deduct	-4.55	
		For 5/8" Mesh Fabric, Deduct	-10.01	
		For 3/4" Mesh Fabric, Deduct	-14.56	
32 31 13 13-0268		Gates (32 31 13 13) Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0269		Galvanized Steel Without Barbed Wire (32 31 13 13-0268) Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0270		4' Fence Height (32 31 13 13-0269)		
32 31 13 13-0271	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	393.70	25.04
		For Gate With Single Barb Wire Arm, Add	34.70	
		For Gate With Double Barb Wire Arm, Add	50.47	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.14	
		For Aluminized Steel Gate And Post, Add	151.40	
		For Powder Coated Gate And Post, Add	82.01	
		For 1" Mesh Fabric, Add	137.21	
		For 1-1/4" Mesh Fabric, Add	88.32	
		For 1-3/4" Mesh Fabric, Add	54.88	
		For 2-1/8" Mesh Fabric, Deduct	-27.44	
32 31 13 13-0272	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	498.84	26.10
		For Gate With Single Barb Wire Arm, Add	46.26	
		For Gate With Double Barb Wire Arm, Add	67.29	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.86	
		For Aluminized Steel Gate And Post, Add	201.87	
		For Powder Coated Gate And Post, Add	109.35	
		For 1" Mesh Fabric, Add	182.94	
		For 1-1/4" Mesh Fabric, Add	117.76	
		For 1-3/4" Mesh Fabric, Add	73.18	
		For 2-1/8" Mesh Fabric, Deduct	-36.59	
32 31 13 13-0273	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	591.24	27.77
		For Gate With Single Barb Wire Arm, Add	55.85	
		For Gate With Double Barb Wire Arm, Add	81.24	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-95.20	
		For Aluminized Steel Gate And Post, Add	243.72	
		For Powder Coated Gate And Post, Add	132.02	
		For 1" Mesh Fabric, Add	220.87	
		For 1-1/4" Mesh Fabric, Add	142.17	
		For 1-3/4" Mesh Fabric, Add	88.35	
		For 2-1/8" Mesh Fabric, Deduct	-44.17	
32 31 13 13-0274	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	695.15	33.40
		For Gate With Single Barb Wire Arm, Add	65.44	
		For Gate With Double Barb Wire Arm, Add	95.19	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-111.55	
		For Aluminized Steel Gate And Post, Add	285.57	
		For Powder Coated Gate And Post, Add	154.68	
		For 1" Mesh Fabric, Add	258.80	
		For 1-1/4" Mesh Fabric, Add	166.58	
		For 1-3/4" Mesh Fabric, Add	103.52	
		For 2-1/8" Mesh Fabric, Deduct	-51.76	



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0275	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	799.04	38.93
			For Gate With Single Barb Wire Arm, Add	75.03	
			For Gate With Double Barb Wire Arm, Add	109.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.90	
			For Aluminized Steel Gate And Post, Add	327.42	
			For Powder Coated Gate And Post, Add	177.35	
			For 1" Mesh Fabric, Add	296.73	
			For 1-1/4" Mesh Fabric, Add	191.00	
			For 1-3/4" Mesh Fabric, Add	118.69	
			For 2-1/8" Mesh Fabric, Deduct	-59.35	
32 31 13	13-0276	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	906.50	44.46
			For Gate With Single Barb Wire Arm, Add	85.02	
			For Gate With Double Barb Wire Arm, Add	123.67	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-144.92	
			For Aluminized Steel Gate And Post, Add	371.00	
			For Powder Coated Gate And Post, Add	200.96	
			For 1" Mesh Fabric, Add	336.22	
			For 1-1/4" Mesh Fabric, Add	216.41	
			For 1-3/4" Mesh Fabric, Add	134.49	
			For 2-1/8" Mesh Fabric, Deduct	-67.24	
32 31 13	13-0277	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,010.39	50.10
			For Gate With Single Barb Wire Arm, Add	94.61	
			For Gate With Double Barb Wire Arm, Add	137.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.27	
			For Aluminized Steel Gate And Post, Add	412.85	
			For Powder Coated Gate And Post, Add	223.63	
			For 1" Mesh Fabric, Add	374.14	
			For 1-1/4" Mesh Fabric, Add	240.83	
			For 1-3/4" Mesh Fabric, Add	149.66	
			For 2-1/8" Mesh Fabric, Deduct	-74.83	
32 31 13	13-0278	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,115.81	55.62
			For Gate With Single Barb Wire Arm, Add	104.37	
			For Gate With Double Barb Wire Arm, Add	151.81	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.91	
			For Aluminized Steel Gate And Post, Add	455.44	
			For Powder Coated Gate And Post, Add	246.70	
			For 1" Mesh Fabric, Add	412.74	
			For 1-1/4" Mesh Fabric, Add	265.67	
			For 1-3/4" Mesh Fabric, Add	165.10	
			For 2-1/8" Mesh Fabric, Deduct	-82.55	
32 31 13	13-0279	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,428.67	55.62
			For Gate With Single Barb Wire Arm, Add	138.78	
			For Gate With Double Barb Wire Arm, Add	201.87	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-236.57	
			For Aluminized Steel Gate And Post, Add	605.61	
			For Powder Coated Gate And Post, Add	328.04	
			For 1" Mesh Fabric, Add	548.83	
			For 1-1/4" Mesh Fabric, Add	353.27	
			For 1-3/4" Mesh Fabric, Add	219.53	
			For 2-1/8" Mesh Fabric, Deduct	-109.77	
32 31 13	13-0280	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,692.94	59.59
			For Gate With Single Barb Wire Arm, Add	166.54	
			For Gate With Double Barb Wire Arm, Add	242.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-283.88	
			For Aluminized Steel Gate And Post, Add	726.73	
			For Powder Coated Gate And Post, Add	393.65	
			For 1" Mesh Fabric, Add	658.60	
			For 1-1/4" Mesh Fabric, Add	423.93	
			For 1-3/4" Mesh Fabric, Add	263.44	
			For 2-1/8" Mesh Fabric, Deduct	-131.72	
32 31 13	13-0281	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,959.04	64.19
			For Gate With Single Barb Wire Arm, Add	194.30	
			For Gate With Double Barb Wire Arm, Add	282.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-331.19	
			For Aluminized Steel Gate And Post, Add	847.85	
			For Powder Coated Gate And Post, Add	459.25	
			For 1" Mesh Fabric, Add	768.37	
			For 1-1/4" Mesh Fabric, Add	494.58	
			For 1-3/4" Mesh Fabric, Add	307.35	
			For 2-1/8" Mesh Fabric, Deduct	-153.67	
32 31 13	13-0282	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,227.44	69.51
			For Gate With Single Barb Wire Arm, Add	222.06	
			For Gate With Double Barb Wire Arm, Add	322.99	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-378.51	
			For Aluminized Steel Gate And Post, Add	968.98	
			For Powder Coated Gate And Post, Add	524.86	
			For 1" Mesh Fabric, Add	878.13	
			For 1-1/4" Mesh Fabric, Add	565.24	
			For 1-3/4" Mesh Fabric, Add	351.25	
			For 2-1/8" Mesh Fabric, Deduct	-175.63	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0283	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,533.51	87.36
		For Gate With Single Barb Wire Arm, Add	249.81	
		For Gate With Double Barb Wire Arm, Add	363.36	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-425.82	
		For Aluminized Steel Gate And Post, Add	1,090.09	
		For Powder Coated Gate And Post, Add	590.47	
		For 1" Mesh Fabric, Add	987.90	
		For 1-1/4" Mesh Fabric, Add	635.89	
		For 1-3/4" Mesh Fabric, Add	395.16	
		For 2-1/8" Mesh Fabric, Deduct	-197.58	
32 31 13 13-0284	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,804.60	93.64
		For Gate With Single Barb Wire Arm, Add	277.57	
		For Gate With Double Barb Wire Arm, Add	403.74	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-473.13	
		For Aluminized Steel Gate And Post, Add	1,211.22	
		For Powder Coated Gate And Post, Add	656.08	
		For 1" Mesh Fabric, Add	1,097.67	
		For 1-1/4" Mesh Fabric, Add	706.54	
		For 1-3/4" Mesh Fabric, Add	439.07	
		For 2-1/8" Mesh Fabric, Deduct	-219.53	
32 31 13 13-0285	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,072.41	100.90
		For Gate With Single Barb Wire Arm, Add	304.65	
		For Gate With Double Barb Wire Arm, Add	443.13	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-519.29	
		For Aluminized Steel Gate And Post, Add	1,329.38	
		For Powder Coated Gate And Post, Add	720.08	
		For 1" Mesh Fabric, Add	1,204.75	
		For 1-1/4" Mesh Fabric, Add	775.47	
		For 1-3/4" Mesh Fabric, Add	481.90	
		For 2-1/8" Mesh Fabric, Deduct	-240.95	
32 31 13 13-0286	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,343.83	109.26
		For Gate With Single Barb Wire Arm, Add	331.73	
		For Gate With Double Barb Wire Arm, Add	482.52	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-565.45	
		For Aluminized Steel Gate And Post, Add	1,447.55	
		For Powder Coated Gate And Post, Add	784.09	
		For 1" Mesh Fabric, Add	1,311.84	
		For 1-1/4" Mesh Fabric, Add	844.40	
		For 1-3/4" Mesh Fabric, Add	524.74	
		For 2-1/8" Mesh Fabric, Deduct	-262.37	
32 31 13 13-0287	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,619.85	119.22
		For Gate With Single Barb Wire Arm, Add	358.81	
		For Gate With Double Barb Wire Arm, Add	521.91	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-611.61	
		For Aluminized Steel Gate And Post, Add	1,565.72	
		For Powder Coated Gate And Post, Add	848.10	
		For 1" Mesh Fabric, Add	1,418.94	
		For 1-1/4" Mesh Fabric, Add	913.34	
		For 1-3/4" Mesh Fabric, Add	567.57	
		For 2-1/8" Mesh Fabric, Deduct	-283.79	
32 31 13 13-0288	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,809.50	131.15
		For Gate With Single Barb Wire Arm, Add	375.74	
		For Gate With Double Barb Wire Arm, Add	546.52	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-640.46	
		For Aluminized Steel Gate And Post, Add	1,639.57	
		For Powder Coated Gate And Post, Add	888.10	
		For 1" Mesh Fabric, Add	1,485.86	
		For 1-1/4" Mesh Fabric, Add	956.42	
		For 1-3/4" Mesh Fabric, Add	594.35	
		For 2-1/8" Mesh Fabric, Deduct	-297.17	
32 31 13 13-0289	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	4,222.52	145.67
		For Gate With Single Barb Wire Arm, Add	416.36	
		For Gate With Double Barb Wire Arm, Add	605.61	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-709.70	
		For Aluminized Steel Gate And Post, Add	1,816.82	
		For Powder Coated Gate And Post, Add	984.11	
		For 1" Mesh Fabric, Add	1,646.50	
		For 1-1/4" Mesh Fabric, Add	1,059.81	
		For 1-3/4" Mesh Fabric, Add	658.60	
		For 2-1/8" Mesh Fabric, Deduct	-329.30	
32 31 13 13-0290		5' Fence Height (32 31 13 13-0269)		
32 31 13 13-0291	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	473.28	27.77
		For Gate With Single Barb Wire Arm, Add	42.88	
		For Gate With Double Barb Wire Arm, Add	62.37	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.09	
		For Aluminized Steel Gate And Post, Add	187.10	
		For Powder Coated Gate And Post, Add	101.35	
		For 1" Mesh Fabric, Add	169.56	
		For 1-1/4" Mesh Fabric, Add	109.14	
		For 1-3/4" Mesh Fabric, Add	67.82	
		For 2-1/8" Mesh Fabric, Deduct	-33.91	



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0292	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	601.50	27.77
			For Gate With Single Barb Wire Arm, Add	56.98	
			For Gate With Double Barb Wire Arm, Add	82.88	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.13	
			For Aluminized Steel Gate And Post, Add	248.64	
			For Powder Coated Gate And Post, Add	134.68	
			For 1" Mesh Fabric, Add	225.33	
			For 1-1/4" Mesh Fabric, Add	145.04	
			For 1-3/4" Mesh Fabric, Add	90.13	
			For 2-1/8" Mesh Fabric, Deduct	-45.07	
32 31 13	13-0293	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	704.19	29.54
			For Gate With Single Barb Wire Arm, Add	67.70	
			For Gate With Double Barb Wire Arm, Add	98.47	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-115.40	
			For Aluminized Steel Gate And Post, Add	295.42	
			For Powder Coated Gate And Post, Add	160.02	
			For 1" Mesh Fabric, Add	267.73	
			For 1-1/4" Mesh Fabric, Add	172.33	
			For 1-3/4" Mesh Fabric, Add	107.09	
			For 2-1/8" Mesh Fabric, Deduct	-53.55	
32 31 13	13-0294	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	824.49	35.49
			For Gate With Single Barb Wire Arm, Add	78.98	
			For Gate With Double Barb Wire Arm, Add	114.88	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-134.63	
			For Aluminized Steel Gate And Post, Add	344.65	
			For Powder Coated Gate And Post, Add	186.69	
			For 1" Mesh Fabric, Add	312.34	
			For 1-1/4" Mesh Fabric, Add	201.05	
			For 1-3/4" Mesh Fabric, Add	124.94	
			For 2-1/8" Mesh Fabric, Deduct	-62.47	
32 31 13	13-0295	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	934.55	41.33
			For Gate With Single Barb Wire Arm, Add	89.14	
			For Gate With Double Barb Wire Arm, Add	129.66	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-151.94	
			For Aluminized Steel Gate And Post, Add	388.97	
			For Powder Coated Gate And Post, Add	210.69	
			For 1" Mesh Fabric, Add	352.50	
			For 1-1/4" Mesh Fabric, Add	226.90	
			For 1-3/4" Mesh Fabric, Add	141.00	
			For 2-1/8" Mesh Fabric, Deduct	-70.50	
32 31 13	13-0296	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,055.92	47.59
			For Gate With Single Barb Wire Arm, Add	100.42	
			For Gate With Double Barb Wire Arm, Add	146.07	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-171.17	
			For Aluminized Steel Gate And Post, Add	438.21	
			For Powder Coated Gate And Post, Add	237.36	
			For 1" Mesh Fabric, Add	397.12	
			For 1-1/4" Mesh Fabric, Add	255.62	
			For 1-3/4" Mesh Fabric, Add	158.85	
			For 2-1/8" Mesh Fabric, Deduct	-79.42	
32 31 13	13-0297	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,171.09	53.54
			For Gate With Single Barb Wire Arm, Add	111.14	
			For Gate With Double Barb Wire Arm, Add	161.66	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-189.44	
			For Aluminized Steel Gate And Post, Add	484.98	
			For Powder Coated Gate And Post, Add	262.70	
			For 1" Mesh Fabric, Add	439.51	
			For 1-1/4" Mesh Fabric, Add	282.90	
			For 1-3/4" Mesh Fabric, Add	175.80	
			For 2-1/8" Mesh Fabric, Deduct	-87.90	
32 31 13	13-0298	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,286.29	59.39
			For Gate With Single Barb Wire Arm, Add	121.86	
			For Gate With Double Barb Wire Arm, Add	177.25	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-207.72	
			For Aluminized Steel Gate And Post, Add	531.75	
			For Powder Coated Gate And Post, Add	288.03	
			For 1" Mesh Fabric, Add	481.90	
			For 1-1/4" Mesh Fabric, Add	310.19	
			For 1-3/4" Mesh Fabric, Add	192.76	
			For 2-1/8" Mesh Fabric, Deduct	-96.38	
32 31 13	13-0299	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,742.18	59.59
			For Gate With Single Barb Wire Arm, Add	171.96	
			For Gate With Double Barb Wire Arm, Add	250.12	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-293.11	
			For Aluminized Steel Gate And Post, Add	750.36	
			For Powder Coated Gate And Post, Add	406.45	
			For 1" Mesh Fabric, Add	680.02	
			For 1-1/4" Mesh Fabric, Add	437.71	
			For 1-3/4" Mesh Fabric, Add	272.01	
			For 2-1/8" Mesh Fabric, Deduct	-136.00	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0300 EA 12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,069.82	64.19
For Gate With Single Barb Wire Arm, Add	206.49	
For Gate With Double Barb Wire Arm, Add	300.34	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-351.96	
For Aluminized Steel Gate And Post, Add	901.03	
For Powder Coated Gate And Post, Add	488.06	
For 1" Mesh Fabric, Add	816.56	
For 1-1/4" Mesh Fabric, Add	525.60	
For 1-3/4" Mesh Fabric, Add	326.62	
For 2-1/8" Mesh Fabric, Deduct	-163.31	
32 31 13 13-0301 EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,399.76	69.51
For Gate With Single Barb Wire Arm, Add	241.01	
For Gate With Double Barb Wire Arm, Add	350.56	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-410.82	
For Aluminized Steel Gate And Post, Add	1,051.69	
For Powder Coated Gate And Post, Add	569.67	
For 1" Mesh Fabric, Add	953.09	
For 1-1/4" Mesh Fabric, Add	613.49	
For 1-3/4" Mesh Fabric, Add	381.24	
For 2-1/8" Mesh Fabric, Deduct	-190.62	
32 31 13 13-0302 EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,767.39	87.36
For Gate With Single Barb Wire Arm, Add	275.54	
For Gate With Double Barb Wire Arm, Add	400.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-469.67	
For Aluminized Steel Gate And Post, Add	1,202.36	
For Powder Coated Gate And Post, Add	651.28	
For 1" Mesh Fabric, Add	1,089.64	
For 1-1/4" Mesh Fabric, Add	701.37	
For 1-3/4" Mesh Fabric, Add	435.85	
For 2-1/8" Mesh Fabric, Deduct	-217.93	
32 31 13 13-0303 EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,093.86	93.64
For Gate With Single Barb Wire Arm, Add	309.39	
For Gate With Double Barb Wire Arm, Add	450.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-527.37	
For Aluminized Steel Gate And Post, Add	1,350.06	
For Powder Coated Gate And Post, Add	731.28	
For 1" Mesh Fabric, Add	1,223.49	
For 1-1/4" Mesh Fabric, Add	787.54	
For 1-3/4" Mesh Fabric, Add	489.40	
For 2-1/8" Mesh Fabric, Deduct	-244.70	
32 31 13 13-0304 EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,435.53	100.90
For Gate With Single Barb Wire Arm, Add	344.59	
For Gate With Double Barb Wire Arm, Add	501.23	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-587.38	
For Aluminized Steel Gate And Post, Add	1,503.68	
For Powder Coated Gate And Post, Add	814.49	
For 1" Mesh Fabric, Add	1,362.71	
For 1-1/4" Mesh Fabric, Add	877.15	
For 1-3/4" Mesh Fabric, Add	545.08	
For 2-1/8" Mesh Fabric, Deduct	-272.54	
32 31 13 13-0305 EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,774.65	109.26
For Gate With Single Barb Wire Arm, Add	379.12	
For Gate With Double Barb Wire Arm, Add	551.45	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-646.23	
For Aluminized Steel Gate And Post, Add	1,654.34	
For Powder Coated Gate And Post, Add	896.10	
For 1" Mesh Fabric, Add	1,499.25	
For 1-1/4" Mesh Fabric, Add	965.03	
For 1-3/4" Mesh Fabric, Add	599.70	
For 2-1/8" Mesh Fabric, Deduct	-299.85	
32 31 13 13-0306 EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,112.21	119.22
For Gate With Single Barb Wire Arm, Add	412.97	
For Gate With Double Barb Wire Arm, Add	600.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-703.93	
For Aluminized Steel Gate And Post, Add	1,802.05	
For Powder Coated Gate And Post, Add	976.11	
For 1" Mesh Fabric, Add	1,633.11	
For 1-1/4" Mesh Fabric, Add	1,051.20	
For 1-3/4" Mesh Fabric, Add	653.24	
For 2-1/8" Mesh Fabric, Deduct	-326.62	
32 31 13 13-0307 EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,468.04	131.15
For Gate With Single Barb Wire Arm, Add	448.18	
For Gate With Double Barb Wire Arm, Add	651.89	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-763.94	
For Aluminized Steel Gate And Post, Add	1,955.67	
For Powder Coated Gate And Post, Add	1,059.32	
For 1" Mesh Fabric, Add	1,772.33	
For 1-1/4" Mesh Fabric, Add	1,140.81	
For 1-3/4" Mesh Fabric, Add	708.93	
For 2-1/8" Mesh Fabric, Deduct	-354.47	



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0308	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,821.79	145.67
		For Gate With Single Barb Wire Arm, Add	482.28	
		For Gate With Double Barb Wire Arm, Add	701.49	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-822.06	
		For Aluminized Steel Gate And Post, Add	2,104.47	
		For Powder Coated Gate And Post, Add	1,139.92	
		For 1" Mesh Fabric, Add	1,907.18	
		For 1-1/4" Mesh Fabric, Add	1,227.61	
		For 1-3/4" Mesh Fabric, Add	762.87	
		For 2-1/8" Mesh Fabric, Deduct	-381.44	
32 31 13 13-0309	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	5,181.92	163.88
		For Gate With Single Barb Wire Arm, Add	515.87	
		For Gate With Double Barb Wire Arm, Add	750.36	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-879.33	
		For Aluminized Steel Gate And Post, Add	2,251.09	
		For Powder Coated Gate And Post, Add	1,219.34	
		For 1" Mesh Fabric, Add	2,040.05	
		For 1-1/4" Mesh Fabric, Add	1,313.14	
		For 1-3/4" Mesh Fabric, Add	816.02	
		For 2-1/8" Mesh Fabric, Deduct	-408.01	
32 31 13 13-0310		6' Fence Height (32 31 13 13-0269)		
32 31 13 13-0311	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	507.46	29.75
		For Gate With Single Barb Wire Arm, Add	45.98	
		For Gate With Double Barb Wire Arm, Add	66.88	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.38	
		For Aluminized Steel Gate And Post, Add	200.64	
		For Powder Coated Gate And Post, Add	108.68	
		For 1" Mesh Fabric, Add	181.83	
		For 1-1/4" Mesh Fabric, Add	117.04	
		For 1-3/4" Mesh Fabric, Add	72.73	
		For 2-1/8" Mesh Fabric, Deduct	-36.37	
32 31 13 13-0312	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	645.93	29.75
		For Gate With Single Barb Wire Arm, Add	61.21	
		For Gate With Double Barb Wire Arm, Add	89.04	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-104.34	
		For Aluminized Steel Gate And Post, Add	267.11	
		For Powder Coated Gate And Post, Add	144.68	
		For 1" Mesh Fabric, Add	242.06	
		For 1-1/4" Mesh Fabric, Add	155.81	
		For 1-3/4" Mesh Fabric, Add	96.83	
		For 2-1/8" Mesh Fabric, Deduct	-48.41	
32 31 13 13-0313	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	757.37	31.62
		For Gate With Single Barb Wire Arm, Add	72.86	
		For Gate With Double Barb Wire Arm, Add	105.98	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-124.20	
		For Aluminized Steel Gate And Post, Add	317.94	
		For Powder Coated Gate And Post, Add	172.22	
		For 1" Mesh Fabric, Add	288.14	
		For 1-1/4" Mesh Fabric, Add	185.47	
		For 1-3/4" Mesh Fabric, Add	115.25	
		For 2-1/8" Mesh Fabric, Deduct	-57.63	
32 31 13 13-0314	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	878.99	38.20
		For Gate With Single Barb Wire Arm, Add	84.06	
		For Gate With Double Barb Wire Arm, Add	122.27	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.29	
		For Aluminized Steel Gate And Post, Add	366.81	
		For Powder Coated Gate And Post, Add	198.69	
		For 1" Mesh Fabric, Add	332.42	
		For 1-1/4" Mesh Fabric, Add	213.97	
		For 1-3/4" Mesh Fabric, Add	132.97	
		For 2-1/8" Mesh Fabric, Deduct	-66.48	
32 31 13 13-0315	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,006.53	44.88
		For Gate With Single Barb Wire Arm, Add	95.91	
		For Gate With Double Barb Wire Arm, Add	139.50	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.48	
		For Aluminized Steel Gate And Post, Add	418.51	
		For Powder Coated Gate And Post, Add	226.69	
		For 1" Mesh Fabric, Add	379.28	
		For 1-1/4" Mesh Fabric, Add	244.13	
		For 1-3/4" Mesh Fabric, Add	151.71	
		For 2-1/8" Mesh Fabric, Deduct	-75.86	
32 31 13 13-0316	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,127.88	51.14
		For Gate With Single Barb Wire Arm, Add	107.19	
		For Gate With Double Barb Wire Arm, Add	155.92	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-182.71	
		For Aluminized Steel Gate And Post, Add	467.75	
		For Powder Coated Gate And Post, Add	253.36	
		For 1" Mesh Fabric, Add	423.89	
		For 1-1/4" Mesh Fabric, Add	272.85	
		For 1-3/4" Mesh Fabric, Add	169.56	
		For 2-1/8" Mesh Fabric, Deduct	-84.78	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0317	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,250.31	57.72
			For Gate With Single Barb Wire Arm, Add	118.48	
			For Gate With Double Barb Wire Arm, Add	172.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-201.95	
			For Aluminized Steel Gate And Post, Add	516.98	
			For Powder Coated Gate And Post, Add	280.03	
			For 1" Mesh Fabric, Add	468.52	
			For 1-1/4" Mesh Fabric, Add	301.57	
			For 1-3/4" Mesh Fabric, Add	187.41	
			For 2-1/8" Mesh Fabric, Deduct	-93.70	
32 31 13	13-0318	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,326.53	64.30
			For Gate With Single Barb Wire Arm, Add	124.68	
			For Gate With Double Barb Wire Arm, Add	181.35	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-212.52	
			For Aluminized Steel Gate And Post, Add	544.06	
			For Powder Coated Gate And Post, Add	294.70	
			For 1" Mesh Fabric, Add	493.06	
			For 1-1/4" Mesh Fabric, Add	317.37	
			For 1-3/4" Mesh Fabric, Add	197.22	
			For 2-1/8" Mesh Fabric, Deduct	-98.61	
32 31 13	13-0319	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,860.57	64.19
			For Gate With Single Barb Wire Arm, Add	183.47	
			For Gate With Double Barb Wire Arm, Add	266.86	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-312.73	
			For Aluminized Steel Gate And Post, Add	800.59	
			For Powder Coated Gate And Post, Add	433.65	
			For 1" Mesh Fabric, Add	725.53	
			For 1-1/4" Mesh Fabric, Add	467.01	
			For 1-3/4" Mesh Fabric, Add	290.21	
			For 2-1/8" Mesh Fabric, Deduct	-145.11	
32 31 13	13-0320	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,208.97	69.51
			For Gate With Single Barb Wire Arm, Add	220.03	
			For Gate With Double Barb Wire Arm, Add	320.04	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-375.04	
			For Aluminized Steel Gate And Post, Add	960.11	
			For Powder Coated Gate And Post, Add	520.06	
			For 1" Mesh Fabric, Add	870.10	
			For 1-1/4" Mesh Fabric, Add	560.06	
			For 1-3/4" Mesh Fabric, Add	348.04	
			For 2-1/8" Mesh Fabric, Deduct	-174.02	
32 31 13	13-0321	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,619.96	93.64
			For Gate With Single Barb Wire Arm, Add	257.26	
			For Gate With Double Barb Wire Arm, Add	374.20	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-438.51	
			For Aluminized Steel Gate And Post, Add	1,122.59	
			For Powder Coated Gate And Post, Add	608.07	
			For 1" Mesh Fabric, Add	1,017.35	
			For 1-1/4" Mesh Fabric, Add	654.84	
			For 1-3/4" Mesh Fabric, Add	406.94	
			For 2-1/8" Mesh Fabric, Deduct	-203.47	
32 31 13	13-0322	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,973.94	100.90
			For Gate With Single Barb Wire Arm, Add	293.82	
			For Gate With Double Barb Wire Arm, Add	427.37	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-500.83	
			For Aluminized Steel Gate And Post, Add	1,282.12	
			For Powder Coated Gate And Post, Add	694.48	
			For 1" Mesh Fabric, Add	1,161.92	
			For 1-1/4" Mesh Fabric, Add	747.90	
			For 1-3/4" Mesh Fabric, Add	464.77	
			For 2-1/8" Mesh Fabric, Deduct	-232.38	
32 31 13	13-0323	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,337.68	109.26
			For Gate With Single Barb Wire Arm, Add	331.05	
			For Gate With Double Barb Wire Arm, Add	481.53	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-564.30	
			For Aluminized Steel Gate And Post, Add	1,444.60	
			For Powder Coated Gate And Post, Add	782.49	
			For 1" Mesh Fabric, Add	1,309.17	
			For 1-1/4" Mesh Fabric, Add	842.68	
			For 1-3/4" Mesh Fabric, Add	523.67	
			For 2-1/8" Mesh Fabric, Deduct	-261.83	
32 31 13	13-0324	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,706.01	119.22
			For Gate With Single Barb Wire Arm, Add	368.29	
			For Gate With Double Barb Wire Arm, Add	535.69	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-627.77	
			For Aluminized Steel Gate And Post, Add	1,607.08	
			For Powder Coated Gate And Post, Add	870.50	
			For 1" Mesh Fabric, Add	1,456.41	
			For 1-1/4" Mesh Fabric, Add	937.46	
			For 1-3/4" Mesh Fabric, Add	582.57	
			For 2-1/8" Mesh Fabric, Deduct	-291.28	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0325	EA	22'	Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,074.15	131.15
			For Gate With Single Barb Wire Arm, Add	404.85	
			For Gate With Double Barb Wire Arm, Add	588.87	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-690.08	
			For Aluminized Steel Gate And Post, Add	1,766.61	
			For Powder Coated Gate And Post, Add	956.91	
			For 1" Mesh Fabric, Add	1,600.99	
			For 1-1/4" Mesh Fabric, Add	1,030.52	
			For 1-3/4" Mesh Fabric, Add	640.39	
			For 2-1/8" Mesh Fabric, Deduct	-320.20	
32 31 13 13-0326	EA	24'	Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,453.32	145.67
			For Gate With Single Barb Wire Arm, Add	441.74	
			For Gate With Double Barb Wire Arm, Add	642.54	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-752.97	
			For Aluminized Steel Gate And Post, Add	1,927.61	
			For Powder Coated Gate And Post, Add	1,044.12	
			For 1" Mesh Fabric, Add	1,746.89	
			For 1-1/4" Mesh Fabric, Add	1,124.44	
			For 1-3/4" Mesh Fabric, Add	698.76	
			For 2-1/8" Mesh Fabric, Deduct	-349.38	
32 31 13 13-0327	EA	26'	Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,839.73	163.88
			For Gate With Single Barb Wire Arm, Add	478.23	
			For Gate With Double Barb Wire Arm, Add	695.61	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-815.17	
			For Aluminized Steel Gate And Post, Add	2,086.84	
			For Powder Coated Gate And Post, Add	1,130.37	
			For 1" Mesh Fabric, Add	1,891.20	
			For 1-1/4" Mesh Fabric, Add	1,217.32	
			For 1-3/4" Mesh Fabric, Add	756.48	
			For 2-1/8" Mesh Fabric, Deduct	-378.24	
32 31 13 13-0328	EA	28'	Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,246.08	187.26
			For Gate With Single Barb Wire Arm, Add	515.20	
			For Gate With Double Barb Wire Arm, Add	749.38	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-878.18	
			For Aluminized Steel Gate And Post, Add	2,248.14	
			For Powder Coated Gate And Post, Add	1,217.74	
			For 1" Mesh Fabric, Add	2,037.37	
			For 1-1/4" Mesh Fabric, Add	1,311.41	
			For 1-3/4" Mesh Fabric, Add	814.95	
			For 2-1/8" Mesh Fabric, Deduct	-407.47	
32 31 13 13-0329	EA	30'	Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,676.48	218.52
			For Gate With Single Barb Wire Arm, Add	552.23	
			For Gate With Double Barb Wire Arm, Add	803.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-941.30	
			For Aluminized Steel Gate And Post, Add	2,409.73	
			For Powder Coated Gate And Post, Add	1,305.27	
			For 1" Mesh Fabric, Add	2,183.62	
			For 1-1/4" Mesh Fabric, Add	1,405.68	
			For 1-3/4" Mesh Fabric, Add	873.53	
			For 2-1/8" Mesh Fabric, Deduct	-436.76	
32 31 13 13-0330			7' Fence Height (32 31 13 13-0269)		
32 31 13 13-0331	EA	3'	Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	532.29	32.04
			For Gate With Single Barb Wire Arm, Add	47.95	
			For Gate With Double Barb Wire Arm, Add	69.75	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.74	
			For Aluminized Steel Gate And Post, Add	209.26	
			For Powder Coated Gate And Post, Add	113.35	
			For 1" Mesh Fabric, Add	189.64	
			For 1-1/4" Mesh Fabric, Add	122.07	
			For 1-3/4" Mesh Fabric, Add	75.86	
			For 2-1/8" Mesh Fabric, Deduct	-37.93	
32 31 13 13-0332	EA	4'	Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	675.89	32.04
			For Gate With Single Barb Wire Arm, Add	63.75	
			For Gate With Double Barb Wire Arm, Add	92.73	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.67	
			For Aluminized Steel Gate And Post, Add	278.18	
			For Powder Coated Gate And Post, Add	150.68	
			For 1" Mesh Fabric, Add	252.10	
			For 1-1/4" Mesh Fabric, Add	162.27	
			For 1-3/4" Mesh Fabric, Add	100.84	
			For 2-1/8" Mesh Fabric, Deduct	-50.42	
32 31 13 13-0333	EA	5'	Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	797.12	33.71
			For Gate With Single Barb Wire Arm, Add	76.55	
			For Gate With Double Barb Wire Arm, Add	111.34	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-130.48	
			For Aluminized Steel Gate And Post, Add	334.02	
			For Powder Coated Gate And Post, Add	180.93	
			For 1" Mesh Fabric, Add	302.71	
			For 1-1/4" Mesh Fabric, Add	194.85	
			For 1-3/4" Mesh Fabric, Add	121.08	
			For 2-1/8" Mesh Fabric, Deduct	-60.54	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0334	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	977.00	41.01
			For Gate With Single Barb Wire Arm, Add	93.92	
			For Gate With Double Barb Wire Arm, Add	136.61	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.10	
			For Aluminized Steel Gate And Post, Add	409.84	
			For Powder Coated Gate And Post, Add	222.00	
			For 1" Mesh Fabric, Add	371.42	
			For 1-1/4" Mesh Fabric, Add	239.08	
			For 1-3/4" Mesh Fabric, Add	148.57	
			For 2-1/8" Mesh Fabric, Deduct	-74.28	
32 31 13	13-0335	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,155.88	48.00
			For Gate With Single Barb Wire Arm, Add	111.30	
			For Gate With Double Barb Wire Arm, Add	161.90	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-189.72	
			For Aluminized Steel Gate And Post, Add	485.69	
			For Powder Coated Gate And Post, Add	263.08	
			For 1" Mesh Fabric, Add	440.16	
			For 1-1/4" Mesh Fabric, Add	283.32	
			For 1-3/4" Mesh Fabric, Add	176.06	
			For 2-1/8" Mesh Fabric, Deduct	-88.03	
32 31 13	13-0336	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,335.77	55.21
			For Gate With Single Barb Wire Arm, Add	128.68	
			For Gate With Double Barb Wire Arm, Add	187.17	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-219.34	
			For Aluminized Steel Gate And Post, Add	561.52	
			For Powder Coated Gate And Post, Add	304.16	
			For 1" Mesh Fabric, Add	508.88	
			For 1-1/4" Mesh Fabric, Add	327.55	
			For 1-3/4" Mesh Fabric, Add	203.55	
			For 2-1/8" Mesh Fabric, Deduct	-101.78	
32 31 13	13-0337	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,514.67	62.20
			For Gate With Single Barb Wire Arm, Add	146.06	
			For Gate With Double Barb Wire Arm, Add	212.46	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.97	
			For Aluminized Steel Gate And Post, Add	637.37	
			For Powder Coated Gate And Post, Add	345.24	
			For 1" Mesh Fabric, Add	577.61	
			For 1-1/4" Mesh Fabric, Add	371.80	
			For 1-3/4" Mesh Fabric, Add	231.05	
			For 2-1/8" Mesh Fabric, Deduct	-115.52	
32 31 13	13-0338	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,666.09	69.51
			For Gate With Single Barb Wire Arm, Add	160.31	
			For Gate With Double Barb Wire Arm, Add	233.18	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-273.25	
			For Aluminized Steel Gate And Post, Add	699.53	
			For Powder Coated Gate And Post, Add	378.91	
			For 1" Mesh Fabric, Add	633.95	
			For 1-1/4" Mesh Fabric, Add	408.06	
			For 1-3/4" Mesh Fabric, Add	253.58	
			For 2-1/8" Mesh Fabric, Deduct	-126.79	
32 31 13	13-0339	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,121.69	69.51
			For Gate With Single Barb Wire Arm, Add	210.42	
			For Gate With Double Barb Wire Arm, Add	306.07	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-358.68	
			For Aluminized Steel Gate And Post, Add	918.22	
			For Powder Coated Gate And Post, Add	497.37	
			For 1" Mesh Fabric, Add	832.13	
			For 1-1/4" Mesh Fabric, Add	535.63	
			For 1-3/4" Mesh Fabric, Add	332.85	
			For 2-1/8" Mesh Fabric, Deduct	-166.43	
32 31 13	13-0340	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,408.28	93.64
			For Gate With Single Barb Wire Arm, Add	233.98	
			For Gate With Double Barb Wire Arm, Add	340.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-398.82	
			For Aluminized Steel Gate And Post, Add	1,020.98	
			For Powder Coated Gate And Post, Add	553.03	
			For 1" Mesh Fabric, Add	925.27	
			For 1-1/4" Mesh Fabric, Add	595.57	
			For 1-3/4" Mesh Fabric, Add	370.11	
			For 2-1/8" Mesh Fabric, Deduct	-185.05	
32 31 13	13-0341	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,784.42	100.90
			For Gate With Single Barb Wire Arm, Add	272.97	
			For Gate With Double Barb Wire Arm, Add	397.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-465.29	
			For Aluminized Steel Gate And Post, Add	1,191.15	
			For Powder Coated Gate And Post, Add	645.21	
			For 1" Mesh Fabric, Add	1,079.48	
			For 1-1/4" Mesh Fabric, Add	694.84	
			For 1-3/4" Mesh Fabric, Add	431.79	
			For 2-1/8" Mesh Fabric, Deduct	-215.90	



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0342	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,134.58	109.26
		For Gate With Single Barb Wire Arm, Add	308.71	
		For Gate With Double Barb Wire Arm, Add	449.04	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-526.22	
		For Aluminized Steel Gate And Post, Add	1,347.11	
		For Powder Coated Gate And Post, Add	729.68	
		For 1" Mesh Fabric, Add	1,220.82	
		For 1-1/4" Mesh Fabric, Add	785.81	
		For 1-3/4" Mesh Fabric, Add	488.33	
		For 2-1/8" Mesh Fabric, Deduct	-244.16	
32 31 13 13-0343	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,521.37	119.22
		For Gate With Single Barb Wire Arm, Add	347.98	
		For Gate With Double Barb Wire Arm, Add	506.15	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-593.15	
		For Aluminized Steel Gate And Post, Add	1,518.45	
		For Powder Coated Gate And Post, Add	822.49	
		For 1" Mesh Fabric, Add	1,376.10	
		For 1-1/4" Mesh Fabric, Add	885.76	
		For 1-3/4" Mesh Fabric, Add	550.44	
		For 2-1/8" Mesh Fabric, Deduct	-275.22	
32 31 13 13-0344	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,907.97	131.15
		For Gate With Single Barb Wire Arm, Add	386.57	
		For Gate With Double Barb Wire Arm, Add	562.28	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-658.92	
		For Aluminized Steel Gate And Post, Add	1,686.84	
		For Powder Coated Gate And Post, Add	913.71	
		For 1" Mesh Fabric, Add	1,528.70	
		For 1-1/4" Mesh Fabric, Add	983.99	
		For 1-3/4" Mesh Fabric, Add	611.48	
		For 2-1/8" Mesh Fabric, Deduct	-305.74	
32 31 13 13-0345	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,302.53	145.67
		For Gate With Single Barb Wire Arm, Add	425.16	
		For Gate With Double Barb Wire Arm, Add	618.41	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-724.70	
		For Aluminized Steel Gate And Post, Add	1,855.23	
		For Powder Coated Gate And Post, Add	1,004.92	
		For 1" Mesh Fabric, Add	1,681.30	
		For 1-1/4" Mesh Fabric, Add	1,082.22	
		For 1-3/4" Mesh Fabric, Add	672.52	
		For 2-1/8" Mesh Fabric, Deduct	-336.26	
32 31 13 13-0346	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,708.02	163.88
		For Gate With Single Barb Wire Arm, Add	463.75	
		For Gate With Double Barb Wire Arm, Add	674.54	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-790.48	
		For Aluminized Steel Gate And Post, Add	2,023.62	
		For Powder Coated Gate And Post, Add	1,096.13	
		For 1" Mesh Fabric, Add	1,833.90	
		For 1-1/4" Mesh Fabric, Add	1,180.44	
		For 1-3/4" Mesh Fabric, Add	733.56	
		For 2-1/8" Mesh Fabric, Deduct	-366.78	
32 31 13 13-0347	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,129.14	187.26
		For Gate With Single Barb Wire Arm, Add	502.33	
		For Gate With Double Barb Wire Arm, Add	730.67	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-856.25	
		For Aluminized Steel Gate And Post, Add	2,192.01	
		For Powder Coated Gate And Post, Add	1,187.34	
		For 1" Mesh Fabric, Add	1,986.51	
		For 1-1/4" Mesh Fabric, Add	1,278.67	
		For 1-3/4" Mesh Fabric, Add	794.60	
		For 2-1/8" Mesh Fabric, Deduct	-397.30	
32 31 13 13-0348	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,573.70	218.52
		For Gate With Single Barb Wire Arm, Add	540.92	
		For Gate With Double Barb Wire Arm, Add	786.80	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-922.03	
		For Aluminized Steel Gate And Post, Add	2,360.40	
		For Powder Coated Gate And Post, Add	1,278.55	
		For 1" Mesh Fabric, Add	2,139.11	
		For 1-1/4" Mesh Fabric, Add	1,376.90	
		For 1-3/4" Mesh Fabric, Add	855.64	
		For 2-1/8" Mesh Fabric, Deduct	-427.82	
32 31 13 13-0349	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	6,055.75	262.20
		For Gate With Single Barb Wire Arm, Add	579.51	
		For Gate With Double Barb Wire Arm, Add	842.93	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-987.81	
		For Aluminized Steel Gate And Post, Add	2,528.78	
		For Powder Coated Gate And Post, Add	1,369.76	
		For 1" Mesh Fabric, Add	2,291.71	
		For 1-1/4" Mesh Fabric, Add	1,475.12	
		For 1-3/4" Mesh Fabric, Add	916.68	
		For 2-1/8" Mesh Fabric, Deduct	-458.34	

32 31 13 13-0350 8' Fence Height (32 31 13 13-0269)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0351	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	625.02		34.76
		For Gate With Single Barb Wire Arm, Add	57.27		
		For Gate With Double Barb Wire Arm, Add	83.30		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.62		
		For Aluminized Steel Gate And Post, Add	249.91		
		For Powder Coated Gate And Post, Add	135.37		
		For 1" Mesh Fabric, Add	226.48		
		For 1-1/4" Mesh Fabric, Add	145.78		
		For 1-3/4" Mesh Fabric, Add	90.59		
		For 2-1/8" Mesh Fabric, Deduct	-45.30		
32 31 13 13-0352	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	798.57		34.76
		For Gate With Single Barb Wire Arm, Add	76.36		
		For Gate With Double Barb Wire Arm, Add	111.07		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-130.16		
		For Aluminized Steel Gate And Post, Add	333.22		
		For Powder Coated Gate And Post, Add	180.49		
		For 1" Mesh Fabric, Add	301.98		
		For 1-1/4" Mesh Fabric, Add	194.38		
		For 1-3/4" Mesh Fabric, Add	120.79		
		For 2-1/8" Mesh Fabric, Deduct	-60.40		
32 31 13 13-0353	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	932.83		38.73
		For Gate With Single Barb Wire Arm, Add	89.81		
		For Gate With Double Barb Wire Arm, Add	130.63		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.08		
		For Aluminized Steel Gate And Post, Add	391.90		
		For Powder Coated Gate And Post, Add	212.28		
		For 1" Mesh Fabric, Add	355.16		
		For 1-1/4" Mesh Fabric, Add	228.61		
		For 1-3/4" Mesh Fabric, Add	142.06		
		For 2-1/8" Mesh Fabric, Deduct	-71.03		
32 31 13 13-0354	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,070.23		43.84
		For Gate With Single Barb Wire Arm, Add	103.26		
		For Gate With Double Barb Wire Arm, Add	150.20		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-176.01		
		For Aluminized Steel Gate And Post, Add	450.59		
		For Powder Coated Gate And Post, Add	244.07		
		For 1" Mesh Fabric, Add	408.34		
		For 1-1/4" Mesh Fabric, Add	262.84		
		For 1-3/4" Mesh Fabric, Add	163.34		
		For 2-1/8" Mesh Fabric, Deduct	-81.67		
32 31 13 13-0355	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,219.63		52.81
		For Gate With Single Barb Wire Arm, Add	116.71		
		For Gate With Double Barb Wire Arm, Add	169.76		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-198.94		
		For Aluminized Steel Gate And Post, Add	509.28		
		For Powder Coated Gate And Post, Add	275.86		
		For 1" Mesh Fabric, Add	461.53		
		For 1-1/4" Mesh Fabric, Add	297.08		
		For 1-3/4" Mesh Fabric, Add	184.61		
		For 2-1/8" Mesh Fabric, Deduct	-92.31		
32 31 13 13-0356	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,368.00		61.47
		For Gate With Single Barb Wire Arm, Add	130.16		
		For Gate With Double Barb Wire Arm, Add	189.32		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-221.86		
		For Aluminized Steel Gate And Post, Add	567.97		
		For Powder Coated Gate And Post, Add	307.65		
		For 1" Mesh Fabric, Add	514.72		
		For 1-1/4" Mesh Fabric, Add	331.32		
		For 1-3/4" Mesh Fabric, Add	205.89		
		For 2-1/8" Mesh Fabric, Deduct	-102.94		
32 31 13 13-0357	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,517.41		70.55
		For Gate With Single Barb Wire Arm, Add	143.61		
		For Gate With Double Barb Wire Arm, Add	208.89		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-244.79		
		For Aluminized Steel Gate And Post, Add	626.66		
		For Powder Coated Gate And Post, Add	339.44		
		For 1" Mesh Fabric, Add	567.91		
		For 1-1/4" Mesh Fabric, Add	365.55		
		For 1-3/4" Mesh Fabric, Add	227.16		
		For 2-1/8" Mesh Fabric, Deduct	-113.58		
32 31 13 13-0358	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,666.80		79.64
		For Gate With Single Barb Wire Arm, Add	157.06		
		For Gate With Double Barb Wire Arm, Add	228.45		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-267.71		
		For Aluminized Steel Gate And Post, Add	685.35		
		For Powder Coated Gate And Post, Add	371.23		
		For 1" Mesh Fabric, Add	621.10		
		For 1-1/4" Mesh Fabric, Add	399.79		
		For 1-3/4" Mesh Fabric, Add	248.44		
		For 2-1/8" Mesh Fabric, Deduct	-124.22		



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0359 EA 10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,422.97	93.64
For Gate With Single Barb Wire Arm, Add	235.59	
For Gate With Double Barb Wire Arm, Add	342.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-401.58	
For Aluminized Steel Gate And Post, Add	1,028.04	
For Powder Coated Gate And Post, Add	556.85	
For 1" Mesh Fabric, Add	931.66	
For 1-1/4" Mesh Fabric, Add	599.69	
For 1-3/4" Mesh Fabric, Add	372.66	
For 2-1/8" Mesh Fabric, Deduct	-186.33	
32 31 13 13-0360 EA 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,857.00	100.90
For Gate With Single Barb Wire Arm, Add	280.96	
For Gate With Double Barb Wire Arm, Add	408.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-478.90	
For Aluminized Steel Gate And Post, Add	1,225.99	
For Powder Coated Gate And Post, Add	664.08	
For 1" Mesh Fabric, Add	1,111.05	
For 1-1/4" Mesh Fabric, Add	715.16	
For 1-3/4" Mesh Fabric, Add	444.42	
For 2-1/8" Mesh Fabric, Deduct	-222.21	
32 31 13 13-0361 EA 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,300.75	109.26
For Gate With Single Barb Wire Arm, Add	326.99	
For Gate With Double Barb Wire Arm, Add	475.62	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-557.37	
For Aluminized Steel Gate And Post, Add	1,426.87	
For Powder Coated Gate And Post, Add	772.89	
For 1" Mesh Fabric, Add	1,293.10	
For 1-1/4" Mesh Fabric, Add	832.34	
For 1-3/4" Mesh Fabric, Add	517.24	
For 2-1/8" Mesh Fabric, Deduct	-258.62	
32 31 13 13-0362 EA 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,761.40	119.22
For Gate With Single Barb Wire Arm, Add	374.38	
For Gate With Double Barb Wire Arm, Add	544.56	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-638.15	
For Aluminized Steel Gate And Post, Add	1,633.67	
For Powder Coated Gate And Post, Add	884.90	
For 1" Mesh Fabric, Add	1,480.51	
For 1-1/4" Mesh Fabric, Add	952.97	
For 1-3/4" Mesh Fabric, Add	592.20	
For 2-1/8" Mesh Fabric, Deduct	-296.10	
32 31 13 13-0363 EA 18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,228.01	131.15
For Gate With Single Barb Wire Arm, Add	421.77	
For Gate With Double Barb Wire Arm, Add	613.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-718.93	
For Aluminized Steel Gate And Post, Add	1,840.46	
For Powder Coated Gate And Post, Add	996.92	
For 1" Mesh Fabric, Add	1,667.92	
For 1-1/4" Mesh Fabric, Add	1,073.60	
For 1-3/4" Mesh Fabric, Add	667.17	
For 2-1/8" Mesh Fabric, Deduct	-333.58	
32 31 13 13-0364 EA 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,696.43	145.67
For Gate With Single Barb Wire Arm, Add	468.49	
For Gate With Double Barb Wire Arm, Add	681.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-798.56	
For Aluminized Steel Gate And Post, Add	2,044.30	
For Powder Coated Gate And Post, Add	1,107.33	
For 1" Mesh Fabric, Add	1,852.65	
For 1-1/4" Mesh Fabric, Add	1,192.51	
For 1-3/4" Mesh Fabric, Add	741.06	
For 2-1/8" Mesh Fabric, Deduct	-370.53	
32 31 13 13-0365 EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,169.62	163.88
For Gate With Single Barb Wire Arm, Add	514.52	
For Gate With Double Barb Wire Arm, Add	748.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-877.03	
For Aluminized Steel Gate And Post, Add	2,245.19	
For Powder Coated Gate And Post, Add	1,216.14	
For 1" Mesh Fabric, Add	2,034.70	
For 1-1/4" Mesh Fabric, Add	1,309.69	
For 1-3/4" Mesh Fabric, Add	813.88	
For 2-1/8" Mesh Fabric, Deduct	-406.94	
32 31 13 13-0366 EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,670.74	187.26
For Gate With Single Barb Wire Arm, Add	561.91	
For Gate With Double Barb Wire Arm, Add	817.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-957.80	
For Aluminized Steel Gate And Post, Add	2,451.97	
For Powder Coated Gate And Post, Add	1,328.15	
For 1" Mesh Fabric, Add	2,222.10	
For 1-1/4" Mesh Fabric, Add	1,430.32	
For 1-3/4" Mesh Fabric, Add	888.84	
For 2-1/8" Mesh Fabric, Deduct	-444.42	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0367 EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,195.31	218.52
For Gate With Single Barb Wire Arm, Add	609.30	
For Gate With Double Barb Wire Arm, Add	886.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,038.58	
For Aluminized Steel Gate And Post, Add	2,658.77	
For Powder Coated Gate And Post, Add	1,440.17	
For 1" Mesh Fabric, Add	2,409.51	
For 1-1/4" Mesh Fabric, Add	1,550.95	
For 1-3/4" Mesh Fabric, Add	963.80	
For 2-1/8" Mesh Fabric, Deduct	-481.90	
32 31 13 13-0368 EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,751.22	262.20
For Gate With Single Barb Wire Arm, Add	656.01	
For Gate With Double Barb Wire Arm, Add	954.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,118.21	
For Aluminized Steel Gate And Post, Add	2,862.61	
For Powder Coated Gate And Post, Add	1,550.58	
For 1" Mesh Fabric, Add	2,594.24	
For 1-1/4" Mesh Fabric, Add	1,669.86	
For 1-3/4" Mesh Fabric, Add	1,037.70	
For 2-1/8" Mesh Fabric, Deduct	-518.85	
32 31 13 13-0369 EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	7,372.74	327.78
For Gate With Single Barb Wire Arm, Add	702.73	
For Gate With Double Barb Wire Arm, Add	1,022.15	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,197.83	
For Aluminized Steel Gate And Post, Add	3,066.45	
For Powder Coated Gate And Post, Add	1,660.99	
For 1" Mesh Fabric, Add	2,778.97	
For 1-1/4" Mesh Fabric, Add	1,788.76	
For 1-3/4" Mesh Fabric, Add	1,111.59	
For 2-1/8" Mesh Fabric, Deduct	-555.79	
32 31 13 13-0370 10' Fence Height (32 31 13 13-0269)		
32 31 13 13-0371 EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	789.24	38.61
For Gate With Single Barb Wire Arm, Add	74.06	
For Gate With Double Barb Wire Arm, Add	107.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.24	
For Aluminized Steel Gate And Post, Add	323.17	
For Powder Coated Gate And Post, Add	175.05	
For 1" Mesh Fabric, Add	292.87	
For 1-1/4" Mesh Fabric, Add	188.52	
For 1-3/4" Mesh Fabric, Add	117.15	
For 2-1/8" Mesh Fabric, Deduct	-58.57	
32 31 13 13-0372 EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,013.66	38.61
For Gate With Single Barb Wire Arm, Add	98.75	
For Gate With Double Barb Wire Arm, Add	143.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-168.32	
For Aluminized Steel Gate And Post, Add	430.89	
For Powder Coated Gate And Post, Add	233.40	
For 1" Mesh Fabric, Add	390.50	
For 1-1/4" Mesh Fabric, Add	251.35	
For 1-3/4" Mesh Fabric, Add	156.20	
For 2-1/8" Mesh Fabric, Deduct	-78.10	
32 31 13 13-0373 EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,176.87	40.28
For Gate With Single Barb Wire Arm, Add	116.14	
For Gate With Double Barb Wire Arm, Add	168.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.96	
For Aluminized Steel Gate And Post, Add	506.79	
For Powder Coated Gate And Post, Add	274.51	
For 1" Mesh Fabric, Add	459.28	
For 1-1/4" Mesh Fabric, Add	295.63	
For 1-3/4" Mesh Fabric, Add	183.71	
For 2-1/8" Mesh Fabric, Deduct	-91.86	
32 31 13 13-0374 EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,364.23	50.10
For Gate With Single Barb Wire Arm, Add	133.53	
For Gate With Double Barb Wire Arm, Add	194.23	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-227.61	
For Aluminized Steel Gate And Post, Add	582.69	
For Powder Coated Gate And Post, Add	315.62	
For 1" Mesh Fabric, Add	528.06	
For 1-1/4" Mesh Fabric, Add	339.90	
For 1-3/4" Mesh Fabric, Add	211.23	
For 2-1/8" Mesh Fabric, Deduct	-105.61	
32 31 13 13-0375 EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,550.93	59.39
For Gate With Single Barb Wire Arm, Add	150.92	
For Gate With Double Barb Wire Arm, Add	219.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-257.25	
For Aluminized Steel Gate And Post, Add	658.56	
For Powder Coated Gate And Post, Add	356.72	
For 1" Mesh Fabric, Add	596.82	
For 1-1/4" Mesh Fabric, Add	384.16	
For 1-3/4" Mesh Fabric, Add	238.73	
For 2-1/8" Mesh Fabric, Deduct	-119.36	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0376	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,737.81	69.19
			For Gate With Single Barb Wire Arm, Add	168.31	
			For Gate With Double Barb Wire Arm, Add	244.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-286.90	
			For Aluminized Steel Gate And Post, Add	734.46	
			For Powder Coated Gate And Post, Add	397.83	
			For 1" Mesh Fabric, Add	665.61	
			For 1-1/4" Mesh Fabric, Add	428.44	
			For 1-3/4" Mesh Fabric, Add	266.24	
			For 2-1/8" Mesh Fabric, Deduct	-133.12	
32 31 13	13-0377	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,924.11	78.59
			For Gate With Single Barb Wire Arm, Add	185.71	
			For Gate With Double Barb Wire Arm, Add	270.12	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-316.55	
			For Aluminized Steel Gate And Post, Add	810.36	
			For Powder Coated Gate And Post, Add	438.95	
			For 1" Mesh Fabric, Add	734.39	
			For 1-1/4" Mesh Fabric, Add	472.71	
			For 1-3/4" Mesh Fabric, Add	293.76	
			For 2-1/8" Mesh Fabric, Deduct	-146.88	
32 31 13	13-0378	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	2,111.47	88.30
			For Gate With Single Barb Wire Arm, Add	203.10	
			For Gate With Double Barb Wire Arm, Add	295.42	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-346.19	
			For Aluminized Steel Gate And Post, Add	886.26	
			For Powder Coated Gate And Post, Add	480.06	
			For 1" Mesh Fabric, Add	803.17	
			For 1-1/4" Mesh Fabric, Add	516.98	
			For 1-3/4" Mesh Fabric, Add	321.27	
			For 2-1/8" Mesh Fabric, Deduct	-160.63	
32 31 13	13-0379	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,082.00	104.09
			For Gate With Single Barb Wire Arm, Add	304.65	
			For Gate With Double Barb Wire Arm, Add	443.12	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-519.29	
			For Aluminized Steel Gate And Post, Add	1,329.37	
			For Powder Coated Gate And Post, Add	720.08	
			For 1" Mesh Fabric, Add	1,204.75	
			For 1-1/4" Mesh Fabric, Add	775.47	
			For 1-3/4" Mesh Fabric, Add	481.90	
			For 2-1/8" Mesh Fabric, Deduct	-240.95	
32 31 13	13-0380	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,352.18	111.97
			For Gate With Single Barb Wire Arm, Add	331.74	
			For Gate With Double Barb Wire Arm, Add	482.52	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-565.46	
			For Aluminized Steel Gate And Post, Add	1,447.57	
			For Powder Coated Gate And Post, Add	784.10	
			For 1" Mesh Fabric, Add	1,311.66	
			For 1-1/4" Mesh Fabric, Add	844.42	
			For 1-3/4" Mesh Fabric, Add	524.75	
			For 2-1/8" Mesh Fabric, Deduct	-262.37	
32 31 13	13-0381	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,823.42	121.43
			For Gate With Single Barb Wire Arm, Add	380.47	
			For Gate With Double Barb Wire Arm, Add	553.42	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-648.54	
			For Aluminized Steel Gate And Post, Add	1,660.25	
			For Powder Coated Gate And Post, Add	899.30	
			For 1" Mesh Fabric, Add	1,504.60	
			For 1-1/4" Mesh Fabric, Add	968.48	
			For 1-3/4" Mesh Fabric, Add	601.84	
			For 2-1/8" Mesh Fabric, Deduct	-300.92	
32 31 13	13-0382	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,348.76	132.38
			For Gate With Single Barb Wire Arm, Add	434.64	
			For Gate With Double Barb Wire Arm, Add	632.20	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-740.86	
			For Aluminized Steel Gate And Post, Add	1,896.59	
			For Powder Coated Gate And Post, Add	1,027.32	
			For 1" Mesh Fabric, Add	1,718.79	
			For 1-1/4" Mesh Fabric, Add	1,106.34	
			For 1-3/4" Mesh Fabric, Add	687.51	
			For 2-1/8" Mesh Fabric, Deduct	-343.76	
32 31 13	13-0383	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,881.06	145.67
			For Gate With Single Barb Wire Arm, Add	488.79	
			For Gate With Double Barb Wire Arm, Add	710.97	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-833.17	
			For Aluminized Steel Gate And Post, Add	2,132.92	
			For Powder Coated Gate And Post, Add	1,155.33	
			For 1" Mesh Fabric, Add	1,932.96	
			For 1-1/4" Mesh Fabric, Add	1,244.21	
			For 1-3/4" Mesh Fabric, Add	773.18	
			For 2-1/8" Mesh Fabric, Deduct	-386.59	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0384	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,424.87	161.79
			For Gate With Single Barb Wire Arm, Add	543.29	
			For Gate With Double Barb Wire Arm, Add	790.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-926.07	
			For Aluminized Steel Gate And Post, Add	2,370.73	
			For Powder Coated Gate And Post, Add	1,284.15	
			For 1" Mesh Fabric, Add	2,148.48	
			For 1-1/4" Mesh Fabric, Add	1,382.93	
			For 1-3/4" Mesh Fabric, Add	859.39	
			For 2-1/8" Mesh Fabric, Deduct	-429.70	
32 31 13	13-0385	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,981.32	182.09
			For Gate With Single Barb Wire Arm, Add	597.79	
			For Gate With Double Barb Wire Arm, Add	869.52	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,018.97	
			For Aluminized Steel Gate And Post, Add	2,608.55	
			For Powder Coated Gate And Post, Add	1,412.96	
			For 1" Mesh Fabric, Add	2,364.00	
			For 1-1/4" Mesh Fabric, Add	1,521.65	
			For 1-3/4" Mesh Fabric, Add	945.60	
			For 2-1/8" Mesh Fabric, Deduct	-472.80	
32 31 13	13-0386	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,551.40	207.93
			For Gate With Single Barb Wire Arm, Add	651.95	
			For Gate With Double Barb Wire Arm, Add	948.29	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,111.28	
			For Aluminized Steel Gate And Post, Add	2,844.88	
			For Powder Coated Gate And Post, Add	1,540.98	
			For 1" Mesh Fabric, Add	2,578.18	
			For 1-1/4" Mesh Fabric, Add	1,659.52	
			For 1-3/4" Mesh Fabric, Add	1,031.27	
			For 2-1/8" Mesh Fabric, Deduct	-515.64	
32 31 13	13-0387	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,148.32	242.75
			For Gate With Single Barb Wire Arm, Add	706.11	
			For Gate With Double Barb Wire Arm, Add	1,027.07	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,203.60	
			For Aluminized Steel Gate And Post, Add	3,081.22	
			For Powder Coated Gate And Post, Add	1,668.99	
			For 1" Mesh Fabric, Add	2,792.36	
			For 1-1/4" Mesh Fabric, Add	1,797.38	
			For 1-3/4" Mesh Fabric, Add	1,116.94	
			For 2-1/8" Mesh Fabric, Deduct	-558.47	
32 31 13	13-0388	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,785.73	291.11
			For Gate With Single Barb Wire Arm, Add	760.27	
			For Gate With Double Barb Wire Arm, Add	1,105.85	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,295.92	
			For Aluminized Steel Gate And Post, Add	3,317.55	
			For Powder Coated Gate And Post, Add	1,797.01	
			For 1" Mesh Fabric, Add	3,006.53	
			For 1-1/4" Mesh Fabric, Add	1,935.24	
			For 1-3/4" Mesh Fabric, Add	1,202.61	
			For 2-1/8" Mesh Fabric, Deduct	-601.31	
32 31 13	13-0389	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	8,503.76	364.19
			For Gate With Single Barb Wire Arm, Add	815.11	
			For Gate With Double Barb Wire Arm, Add	1,185.61	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,389.39	
			For Aluminized Steel Gate And Post, Add	3,556.84	
			For Powder Coated Gate And Post, Add	1,926.62	
			For 1" Mesh Fabric, Add	3,223.39	
			For 1-1/4" Mesh Fabric, Add	2,074.83	
			For 1-3/4" Mesh Fabric, Add	1,289.36	
			For 2-1/8" Mesh Fabric, Deduct	-644.68	
32 31 13	13-0390		12' Fence Height (32 31 13 13-0269)		
32 31 13	13-0391	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	990.64	42.89
			For Gate With Single Barb Wire Arm, Add	94.80	
			For Gate With Double Barb Wire Arm, Add	137.89	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.59	
			For Aluminized Steel Gate And Post, Add	413.66	
			For Powder Coated Gate And Post, Add	224.07	
			For 1" Mesh Fabric, Add	374.88	
			For 1-1/4" Mesh Fabric, Add	241.30	
			For 1-3/4" Mesh Fabric, Add	149.95	
			For 2-1/8" Mesh Fabric, Deduct	-74.98	
32 31 13	13-0392	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,277.88	42.89
			For Gate With Single Barb Wire Arm, Add	126.39	
			For Gate With Double Barb Wire Arm, Add	183.84	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.44	
			For Aluminized Steel Gate And Post, Add	551.53	
			For Powder Coated Gate And Post, Add	298.75	
			For 1" Mesh Fabric, Add	499.83	
			For 1-1/4" Mesh Fabric, Add	321.73	
			For 1-3/4" Mesh Fabric, Add	199.93	
			For 2-1/8" Mesh Fabric, Deduct	-99.97	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0393	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,485.03	44.46
			For Gate With Single Barb Wire Arm, Add	148.66	
			For Gate With Double Barb Wire Arm, Add	216.23	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-253.40	
			For Aluminized Steel Gate And Post, Add	648.69	
			For Powder Coated Gate And Post, Add	351.37	
			For 1" Mesh Fabric, Add	587.88	
			For 1-1/4" Mesh Fabric, Add	378.40	
			For 1-3/4" Mesh Fabric, Add	235.15	
			For 2-1/8" Mesh Fabric, Deduct	-117.58	
32 31 13	13-0394	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,719.76	55.21
			For Gate With Single Barb Wire Arm, Add	170.92	
			For Gate With Double Barb Wire Arm, Add	248.61	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-291.34	
			For Aluminized Steel Gate And Post, Add	745.83	
			For Powder Coated Gate And Post, Add	403.99	
			For 1" Mesh Fabric, Add	675.91	
			For 1-1/4" Mesh Fabric, Add	435.07	
			For 1-3/4" Mesh Fabric, Add	270.36	
			For 2-1/8" Mesh Fabric, Deduct	-135.18	
32 31 13	13-0395	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	693.05	66.07
			For Gate With Single Barb Wire Arm, Add	54.42	
			For Gate With Double Barb Wire Arm, Add	79.16	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.77	
			For Aluminized Steel Gate And Post, Add	237.48	
			For Powder Coated Gate And Post, Add	128.64	
			For 1" Mesh Fabric, Add	215.22	
			For 1-1/4" Mesh Fabric, Add	138.53	
			For 1-3/4" Mesh Fabric, Add	86.09	
			For 2-1/8" Mesh Fabric, Deduct	-43.04	
32 31 13	13-0396	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	781.38	76.50
			For Gate With Single Barb Wire Arm, Add	60.69	
			For Gate With Double Barb Wire Arm, Add	88.28	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-103.46	
			For Aluminized Steel Gate And Post, Add	264.84	
			For Powder Coated Gate And Post, Add	143.46	
			For 1" Mesh Fabric, Add	240.02	
			For 1-1/4" Mesh Fabric, Add	154.49	
			For 1-3/4" Mesh Fabric, Add	96.01	
			For 2-1/8" Mesh Fabric, Deduct	-48.00	
32 31 13	13-0397	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	870.75	87.26
			For Gate With Single Barb Wire Arm, Add	66.97	
			For Gate With Double Barb Wire Arm, Add	97.40	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.15	
			For Aluminized Steel Gate And Post, Add	292.21	
			For Powder Coated Gate And Post, Add	158.28	
			For 1" Mesh Fabric, Add	264.62	
			For 1-1/4" Mesh Fabric, Add	170.46	
			For 1-3/4" Mesh Fabric, Add	105.93	
			For 2-1/8" Mesh Fabric, Deduct	-52.96	
32 31 13	13-0398	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	960.13	98.00
			For Gate With Single Barb Wire Arm, Add	73.24	
			For Gate With Double Barb Wire Arm, Add	106.53	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-124.84	
			For Aluminized Steel Gate And Post, Add	319.58	
			For Powder Coated Gate And Post, Add	173.11	
			For 1" Mesh Fabric, Add	289.62	
			For 1-1/4" Mesh Fabric, Add	186.42	
			For 1-3/4" Mesh Fabric, Add	115.85	
			For 2-1/8" Mesh Fabric, Deduct	-57.92	
32 31 13	13-0399	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,274.83	115.66
			For Gate With Single Barb Wire Arm, Add	102.04	
			For Gate With Double Barb Wire Arm, Add	148.42	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-173.93	
			For Aluminized Steel Gate And Post, Add	445.26	
			For Powder Coated Gate And Post, Add	241.18	
			For 1" Mesh Fabric, Add	403.52	
			For 1-1/4" Mesh Fabric, Add	259.74	
			For 1-3/4" Mesh Fabric, Add	161.41	
			For 2-1/8" Mesh Fabric, Deduct	-80.70	
32 31 13	13-0400	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,393.21	124.51
			For Gate With Single Barb Wire Arm, Add	112.15	
			For Gate With Double Barb Wire Arm, Add	163.12	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-191.16	
			For Aluminized Steel Gate And Post, Add	489.37	
			For Powder Coated Gate And Post, Add	265.08	
			For 1" Mesh Fabric, Add	443.49	
			For 1-1/4" Mesh Fabric, Add	285.47	
			For 1-3/4" Mesh Fabric, Add	177.40	
			For 2-1/8" Mesh Fabric, Deduct	-88.70	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0401	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,573.70	134.85
		For Gate With Single Barb Wire Arm, Add	128.55	
		For Gate With Double Barb Wire Arm, Add	186.98	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-219.12	
		For Aluminized Steel Gate And Post, Add	560.95	
		For Powder Coated Gate And Post, Add	303.85	
		For 1" Mesh Fabric, Add	508.36	
		For 1-1/4" Mesh Fabric, Add	327.22	
		For 1-3/4" Mesh Fabric, Add	203.34	
		For 2-1/8" Mesh Fabric, Deduct	-101.67	
32 31 13 13-0402	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,776.88	147.03
		For Gate With Single Barb Wire Arm, Add	146.86	
		For Gate With Double Barb Wire Arm, Add	213.61	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-250.33	
		For Aluminized Steel Gate And Post, Add	640.84	
		For Powder Coated Gate And Post, Add	347.12	
		For 1" Mesh Fabric, Add	580.76	
		For 1-1/4" Mesh Fabric, Add	373.83	
		For 1-3/4" Mesh Fabric, Add	232.31	
		For 2-1/8" Mesh Fabric, Deduct	-116.15	
32 31 13 13-0403	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,815.69	161.92
		For Gate With Single Barb Wire Arm, Add	586.28	
		For Gate With Double Barb Wire Arm, Add	852.78	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-999.35	
		For Aluminized Steel Gate And Post, Add	2,558.33	
		For Powder Coated Gate And Post, Add	1,385.76	
		For 1" Mesh Fabric, Add	2,318.48	
		For 1-1/4" Mesh Fabric, Add	1,492.36	
		For 1-3/4" Mesh Fabric, Add	927.39	
		For 2-1/8" Mesh Fabric, Deduct	-463.70	
32 31 13 13-0404	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,466.48	179.76
		For Gate With Single Barb Wire Arm, Add	651.95	
		For Gate With Double Barb Wire Arm, Add	948.29	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,111.28	
		For Aluminized Steel Gate And Post, Add	2,844.88	
		For Powder Coated Gate And Post, Add	1,540.98	
		For 1" Mesh Fabric, Add	2,578.18	
		For 1-1/4" Mesh Fabric, Add	1,659.52	
		For 1-3/4" Mesh Fabric, Add	1,031.27	
		For 2-1/8" Mesh Fabric, Deduct	-515.64	
32 31 13 13-0405	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,125.28	202.27
		For Gate With Single Barb Wire Arm, Add	716.94	
		For Gate With Double Barb Wire Arm, Add	1,042.83	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,222.07	
		For Aluminized Steel Gate And Post, Add	3,128.49	
		For Powder Coated Gate And Post, Add	1,694.60	
		For 1" Mesh Fabric, Add	2,835.19	
		For 1-1/4" Mesh Fabric, Add	1,824.95	
		For 1-3/4" Mesh Fabric, Add	1,134.08	
		For 2-1/8" Mesh Fabric, Deduct	-567.04	
32 31 13 13-0406	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,808.63	231.07
		For Gate With Single Barb Wire Arm, Add	782.61	
		For Gate With Double Barb Wire Arm, Add	1,138.35	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,334.00	
		For Aluminized Steel Gate And Post, Add	3,415.04	
		For Powder Coated Gate And Post, Add	1,849.81	
		For 1" Mesh Fabric, Add	3,094.88	
		For 1-1/4" Mesh Fabric, Add	1,992.11	
		For 1-3/4" Mesh Fabric, Add	1,237.95	
		For 2-1/8" Mesh Fabric, Deduct	-618.98	
32 31 13 13-0407	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,509.48	269.82
		For Gate With Single Barb Wire Arm, Add	846.93	
		For Gate With Double Barb Wire Arm, Add	1,231.90	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,443.63	
		For Aluminized Steel Gate And Post, Add	3,695.69	
		For Powder Coated Gate And Post, Add	2,001.83	
		For 1" Mesh Fabric, Add	3,349.22	
		For 1-1/4" Mesh Fabric, Add	2,155.82	
		For 1-3/4" Mesh Fabric, Add	1,339.69	
		For 2-1/8" Mesh Fabric, Deduct	-669.84	
32 31 13 13-0408	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,261.48	323.47
		For Gate With Single Barb Wire Arm, Add	911.92	
		For Gate With Double Barb Wire Arm, Add	1,326.43	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,554.41	
		For Aluminized Steel Gate And Post, Add	3,979.29	
		For Powder Coated Gate And Post, Add	2,155.45	
		For 1" Mesh Fabric, Add	3,606.23	
		For 1-1/4" Mesh Fabric, Add	2,321.25	
		For 1-3/4" Mesh Fabric, Add	1,442.49	
		For 2-1/8" Mesh Fabric, Deduct	-721.25	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0409 EA 30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	10,102.37 977.59 1,421.95 -1,666.35 4,265.85 2,310.67 3,865.92 2,488.41 1,546.37 -773.18	404.67
32 31 13 13-0410 Vinyl Coated Without Barb Wire Arm (32 31 13 13-0268) Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0411 4' Fence Height (32 31 13 13-0410)		
32 31 13 13-0412 EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	193.98 -21.69 50.33 32.40 20.13 -10.07 12.73 18.51	26.10
32 31 13 13-0413 EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	232.54 -28.92 67.10 43.19 26.84 -13.42 16.97 24.68	26.10
32 31 13 13-0414 EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	269.90 -34.95 81.09 52.19 32.44 -16.22 20.51 29.83	27.77
32 31 13 13-0415 EA 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	318.74 -40.98 95.06 61.19 38.03 -19.01 24.04 34.97	33.40
32 31 13 13-0416 EA 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	367.58 -47.00 109.05 70.19 43.62 -21.81 27.57 40.11	38.93
32 31 13 13-0417 EA 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	416.41 -53.03 123.03 79.19 49.21 -24.61 31.11 45.25	44.46
32 31 13 13-0418 EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	465.26 -59.06 137.01 88.19 54.80 -27.40 34.65 50.39	50.10
32 31 13 13-0419 EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	514.08 -65.08 150.98 97.19 60.39 -30.20 38.18 55.53	55.62

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0420	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	629.79 -86.78 201.32 129.58 80.53 -40.26 50.91 74.05	55.62
32 31 13 13-0421	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	734.27 -104.13 241.58 155.50 96.63 -48.32 61.09 88.86	59.59
32 31 13 13-0422	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	840.59 -121.48 281.84 181.41 112.74 -56.37 71.27 103.67	64.19
32 31 13 13-0423	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	949.21 -138.84 322.10 207.33 128.84 -64.42 81.45 118.48	69.51
32 31 13 13-0424	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,095.51 -156.19 362.37 233.25 144.95 -72.47 91.63 133.28	87.36
32 31 13 13-0425	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,206.82 -173.55 402.63 259.17 161.05 -80.53 101.81 148.09	93.64
32 31 13 13-0426	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,321.01 -190.90 442.90 285.08 177.16 -88.58 112.00 162.90	100.90
32 31 13 13-0427	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,438.81 -208.26 483.16 311.00 193.26 -96.63 122.18 177.71	109.26
32 31 13 13-0428	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,561.20 -225.61 523.42 336.92 209.37 -104.68 132.36 192.52	119.22
32 31 13 13-0429	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,689.55 -242.97 563.69 362.83 225.47 -112.74 142.54 207.33	131.15



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0430	EA 30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,825.86 -260.32 603.95 388.75 241.58 -120.79 152.72 222.14	145.67
32 31	13	13-0431	5' Fence Height (32 31 13 13-0410)		
32 31	13	13-0432	EA 3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	226.86 -26.88 62.37 40.14 24.95 -12.47 15.77 22.94	27.77
32 31	13	13-0433	EA 4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	274.65 -35.84 83.15 53.52 33.26 -16.63 21.03 30.59	27.77
32 31	13	13-0434	EA 5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	315.72 -42.56 98.75 63.56 39.50 -19.75 24.97 36.32	29.54
32 31	13	13-0435	EA 6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	369.29 -49.28 114.34 73.60 45.73 -22.87 28.91 42.05	35.49
32 31	13	13-0436	EA 7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	422.89 -56.00 129.93 83.63 51.97 -25.99 32.86 47.79	41.33
32 31	13	13-0437	EA 8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	477.50 -62.72 145.52 93.67 58.21 -29.10 36.80 53.52	47.59
32 31	13	13-0438	EA 9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	531.09 -69.44 161.11 103.70 64.44 -32.22 40.74 59.26	53.54
32 31	13	13-0439	EA 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	584.67 -76.16 176.70 113.74 70.68 -35.34 44.68 64.99	59.39
32 31	13	13-0440	EA 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	752.39 -107.53 249.46 160.57 99.78 -49.89 63.08 91.76	59.59

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0441	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	880.84	64.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-129.03	
		For 1" Mesh Fabric, Add	299.35	
		For 1-1/4" Mesh Fabric, Add	192.68	
		For 1-3/4" Mesh Fabric, Add	119.74	
		For 2-1/8" Mesh Fabric, Deduct	-59.87	
		For Gate With Single Barb Wire Arm, Add	75.70	
		For Gate With Double Barb Wire Arm, Add	110.11	
32 31 13 13-0442	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,011.59	69.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-150.53	
		For 1" Mesh Fabric, Add	349.24	
		For 1-1/4" Mesh Fabric, Add	224.80	
		For 1-3/4" Mesh Fabric, Add	139.70	
		For 2-1/8" Mesh Fabric, Deduct	-69.85	
		For Gate With Single Barb Wire Arm, Add	88.31	
		For Gate With Double Barb Wire Arm, Add	128.46	
32 31 13 13-0443	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,180.02	87.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-172.04	
		For 1" Mesh Fabric, Add	399.13	
		For 1-1/4" Mesh Fabric, Add	256.91	
		For 1-3/4" Mesh Fabric, Add	159.65	
		For 2-1/8" Mesh Fabric, Deduct	-79.83	
		For Gate With Single Barb Wire Arm, Add	100.93	
		For Gate With Double Barb Wire Arm, Add	146.81	
32 31 13 13-0444	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,313.47	93.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-193.55	
		For 1" Mesh Fabric, Add	449.02	
		For 1-1/4" Mesh Fabric, Add	289.03	
		For 1-3/4" Mesh Fabric, Add	179.61	
		For 2-1/8" Mesh Fabric, Deduct	-89.80	
		For Gate With Single Barb Wire Arm, Add	113.55	
		For Gate With Double Barb Wire Arm, Add	165.16	
32 31 13 13-0445	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,449.79	100.90
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.05	
		For 1" Mesh Fabric, Add	498.91	
		For 1-1/4" Mesh Fabric, Add	321.14	
		For 1-3/4" Mesh Fabric, Add	199.57	
		For 2-1/8" Mesh Fabric, Deduct	-99.78	
		For Gate With Single Barb Wire Arm, Add	126.16	
		For Gate With Double Barb Wire Arm, Add	183.51	
32 31 13 13-0446	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,589.72	109.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-236.55	
		For 1" Mesh Fabric, Add	548.80	
		For 1-1/4" Mesh Fabric, Add	353.25	
		For 1-3/4" Mesh Fabric, Add	219.52	
		For 2-1/8" Mesh Fabric, Deduct	-109.76	
		For Gate With Single Barb Wire Arm, Add	138.78	
		For Gate With Double Barb Wire Arm, Add	201.86	
32 31 13 13-0447	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,734.25	119.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-258.06	
		For 1" Mesh Fabric, Add	598.70	
		For 1-1/4" Mesh Fabric, Add	385.37	
		For 1-3/4" Mesh Fabric, Add	239.48	
		For 2-1/8" Mesh Fabric, Deduct	-119.74	
		For Gate With Single Barb Wire Arm, Add	151.40	
		For Gate With Double Barb Wire Arm, Add	220.21	
32 31 13 13-0448	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,884.73	131.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-279.56	
		For 1" Mesh Fabric, Add	648.59	
		For 1-1/4" Mesh Fabric, Add	417.48	
		For 1-3/4" Mesh Fabric, Add	259.44	
		For 2-1/8" Mesh Fabric, Deduct	-129.72	
		For Gate With Single Barb Wire Arm, Add	164.01	
		For Gate With Double Barb Wire Arm, Add	238.56	
32 31 13 13-0449	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,043.17	145.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-301.07	
		For 1" Mesh Fabric, Add	698.48	
		For 1-1/4" Mesh Fabric, Add	449.60	
		For 1-3/4" Mesh Fabric, Add	279.39	
		For 2-1/8" Mesh Fabric, Deduct	-139.70	
		For Gate With Single Barb Wire Arm, Add	176.63	
		For Gate With Double Barb Wire Arm, Add	256.91	
32 31 13 13-0450	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,212.55	163.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-322.58	
		For 1" Mesh Fabric, Add	748.37	
		For 1-1/4" Mesh Fabric, Add	481.71	
		For 1-3/4" Mesh Fabric, Add	299.35	
		For 2-1/8" Mesh Fabric, Deduct	-149.67	
		For Gate With Single Barb Wire Arm, Add	189.24	
		For Gate With Double Barb Wire Arm, Add	275.26	

32 31 13 13-0451 6' Fence Height (32 31 13 13-0410)



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0452	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	242.68	29.75
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.73	
			For 1" Mesh Fabric, Add	66.65	
			For 1-1/4" Mesh Fabric, Add	42.90	
			For 1-3/4" Mesh Fabric, Add	26.66	
			For 2-1/8" Mesh Fabric, Deduct	-13.33	
			For Gate With Single Barb Wire Arm, Add	16.85	
			For Gate With Double Barb Wire Arm, Add	24.52	
32 31 13	13-0453	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	293.75	29.75
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.30	
			For 1" Mesh Fabric, Add	88.87	
			For 1-1/4" Mesh Fabric, Add	57.20	
			For 1-3/4" Mesh Fabric, Add	35.55	
			For 2-1/8" Mesh Fabric, Deduct	-17.77	
			For Gate With Single Barb Wire Arm, Add	22.47	
			For Gate With Double Barb Wire Arm, Add	32.69	
32 31 13	13-0454	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	337.58	31.62
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.49	
			For 1" Mesh Fabric, Add	105.53	
			For 1-1/4" Mesh Fabric, Add	67.93	
			For 1-3/4" Mesh Fabric, Add	42.21	
			For 2-1/8" Mesh Fabric, Deduct	-21.11	
			For Gate With Single Barb Wire Arm, Add	26.69	
			For Gate With Double Barb Wire Arm, Add	38.82	
32 31 13	13-0455	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	395.70	38.20
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-52.67	
			For 1" Mesh Fabric, Add	122.19	
			For 1-1/4" Mesh Fabric, Add	78.65	
			For 1-3/4" Mesh Fabric, Add	48.88	
			For 2-1/8" Mesh Fabric, Deduct	-24.44	
			For Gate With Single Barb Wire Arm, Add	30.90	
			For Gate With Double Barb Wire Arm, Add	44.94	
32 31 13	13-0456	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	453.84	44.88
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.85	
			For 1" Mesh Fabric, Add	138.86	
			For 1-1/4" Mesh Fabric, Add	89.38	
			For 1-3/4" Mesh Fabric, Add	55.54	
			For 2-1/8" Mesh Fabric, Deduct	-27.77	
			For Gate With Single Barb Wire Arm, Add	35.11	
			For Gate With Double Barb Wire Arm, Add	51.07	
32 31 13	13-0457	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	510.92	51.14
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.03	
			For 1" Mesh Fabric, Add	155.52	
			For 1-1/4" Mesh Fabric, Add	100.10	
			For 1-3/4" Mesh Fabric, Add	62.21	
			For 2-1/8" Mesh Fabric, Deduct	-31.10	
			For Gate With Single Barb Wire Arm, Add	39.33	
			For Gate With Double Barb Wire Arm, Add	57.20	
32 31 13	13-0458	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	569.08	57.72
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.22	
			For 1" Mesh Fabric, Add	172.18	
			For 1-1/4" Mesh Fabric, Add	110.83	
			For 1-3/4" Mesh Fabric, Add	68.87	
			For 2-1/8" Mesh Fabric, Deduct	-34.44	
			For Gate With Single Barb Wire Arm, Add	43.54	
			For Gate With Double Barb Wire Arm, Add	63.33	
32 31 13	13-0459	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	627.20	64.30
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.40	
			For 1" Mesh Fabric, Add	188.84	
			For 1-1/4" Mesh Fabric, Add	121.55	
			For 1-3/4" Mesh Fabric, Add	75.54	
			For 2-1/8" Mesh Fabric, Deduct	-37.77	
			For Gate With Single Barb Wire Arm, Add	47.75	
			For Gate With Double Barb Wire Arm, Add	69.46	
32 31 13	13-0460	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	805.55	64.19
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.91	
			For 1" Mesh Fabric, Add	266.60	
			For 1-1/4" Mesh Fabric, Add	171.60	
			For 1-3/4" Mesh Fabric, Add	106.64	
			For 2-1/8" Mesh Fabric, Deduct	-53.32	
			For Gate With Single Barb Wire Arm, Add	67.42	
			For Gate With Double Barb Wire Arm, Add	98.06	
32 31 13	13-0461	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	944.18	69.51
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.90	
			For 1" Mesh Fabric, Add	319.92	
			For 1-1/4" Mesh Fabric, Add	205.92	
			For 1-3/4" Mesh Fabric, Add	127.97	
			For 2-1/8" Mesh Fabric, Deduct	-63.98	
			For Gate With Single Barb Wire Arm, Add	80.90	
			For Gate With Double Barb Wire Arm, Add	117.67	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0462	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,139.25		93.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.88		
		For 1" Mesh Fabric, Add	373.24		
		For 1-1/4" Mesh Fabric, Add	240.25		
		For 1-3/4" Mesh Fabric, Add	149.30		
		For 2-1/8" Mesh Fabric, Deduct	-74.65		
		For Gate With Single Barb Wire Arm, Add	94.38		
		For Gate With Double Barb Wire Arm, Add	137.28		
32 31 13 13-0463	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,283.45		100.90
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.86		
		For 1" Mesh Fabric, Add	426.56		
		For 1-1/4" Mesh Fabric, Add	274.57		
		For 1-3/4" Mesh Fabric, Add	170.62		
		For 2-1/8" Mesh Fabric, Deduct	-85.31		
		For Gate With Single Barb Wire Arm, Add	107.86		
		For Gate With Double Barb Wire Arm, Add	156.89		
32 31 13 13-0464	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,431.27		109.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.84		
		For 1" Mesh Fabric, Add	479.88		
		For 1-1/4" Mesh Fabric, Add	308.89		
		For 1-3/4" Mesh Fabric, Add	191.95		
		For 2-1/8" Mesh Fabric, Deduct	-95.98		
		For Gate With Single Barb Wire Arm, Add	121.35		
		For Gate With Double Barb Wire Arm, Add	176.51		
32 31 13 13-0465	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,606.32		119.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-234.07		
		For 1" Mesh Fabric, Add	543.05		
		For 1-1/4" Mesh Fabric, Add	349.55		
		For 1-3/4" Mesh Fabric, Add	217.22		
		For 2-1/8" Mesh Fabric, Deduct	-108.61		
		For Gate With Single Barb Wire Arm, Add	137.32		
		For Gate With Double Barb Wire Arm, Add	199.74		
32 31 13 13-0466	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,746.15		131.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-253.58		
		For 1" Mesh Fabric, Add	588.31		
		For 1-1/4" Mesh Fabric, Add	378.68		
		For 1-3/4" Mesh Fabric, Add	235.32		
		For 2-1/8" Mesh Fabric, Deduct	-117.66		
		For Gate With Single Barb Wire Arm, Add	148.77		
		For Gate With Double Barb Wire Arm, Add	216.39		
32 31 13 13-0467	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,908.36		145.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-275.79		
		For 1" Mesh Fabric, Add	639.84		
		For 1-1/4" Mesh Fabric, Add	411.85		
		For 1-3/4" Mesh Fabric, Add	255.93		
		For 2-1/8" Mesh Fabric, Deduct	-127.97		
		For Gate With Single Barb Wire Arm, Add	161.80		
		For Gate With Double Barb Wire Arm, Add	235.34		
32 31 13 13-0468	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,085.61		163.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-298.77		
		For 1" Mesh Fabric, Add	693.16		
		For 1-1/4" Mesh Fabric, Add	446.17		
		For 1-3/4" Mesh Fabric, Add	277.26		
		For 2-1/8" Mesh Fabric, Deduct	-138.63		
		For Gate With Single Barb Wire Arm, Add	175.28		
		For Gate With Double Barb Wire Arm, Add	254.95		
32 31 13 13-0469	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,278.50		187.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-321.76		
		For 1" Mesh Fabric, Add	746.48		
		For 1-1/4" Mesh Fabric, Add	480.49		
		For 1-3/4" Mesh Fabric, Add	298.59		
		For 2-1/8" Mesh Fabric, Deduct	-149.30		
		For Gate With Single Barb Wire Arm, Add	188.76		
		For Gate With Double Barb Wire Arm, Add	274.57		
32 31 13 13-0470	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,494.82		218.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.74		
		For 1" Mesh Fabric, Add	799.80		
		For 1-1/4" Mesh Fabric, Add	514.81		
		For 1-3/4" Mesh Fabric, Add	319.92		
		For 2-1/8" Mesh Fabric, Deduct	-159.96		
		For Gate With Single Barb Wire Arm, Add	202.25		
		For Gate With Double Barb Wire Arm, Add	294.18		
32 31 13 13-0471		7' Fence Height (32 31 13 13-0410)			
32 31 13 13-0472	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	257.27		32.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-30.17		
		For 1" Mesh Fabric, Add	70.00		
		For 1-1/4" Mesh Fabric, Add	45.06		
		For 1-3/4" Mesh Fabric, Add	28.00		
		For 2-1/8" Mesh Fabric, Deduct	-14.00		
		For Gate With Single Barb Wire Arm, Add	17.70		
		For Gate With Double Barb Wire Arm, Add	25.75		



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0473	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	310.92	32.04
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.23	
			For 1" Mesh Fabric, Add	93.34	
			For 1-1/4" Mesh Fabric, Add	60.08	
			For 1-3/4" Mesh Fabric, Add	37.34	
			For 2-1/8" Mesh Fabric, Deduct	-18.67	
			For Gate With Single Barb Wire Arm, Add	23.60	
			For Gate With Double Barb Wire Arm, Add	34.33	
32 31 13	13-0474	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	356.06	33.71
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-47.78	
			For 1" Mesh Fabric, Add	110.85	
			For 1-1/4" Mesh Fabric, Add	71.35	
			For 1-3/4" Mesh Fabric, Add	44.34	
			For 2-1/8" Mesh Fabric, Deduct	-22.17	
			For Gate With Single Barb Wire Arm, Add	28.03	
			For Gate With Double Barb Wire Arm, Add	40.77	
32 31 13	13-0475	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	418.21	41.01
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.32	
			For 1" Mesh Fabric, Add	128.35	
			For 1-1/4" Mesh Fabric, Add	82.61	
			For 1-3/4" Mesh Fabric, Add	51.34	
			For 2-1/8" Mesh Fabric, Deduct	-25.67	
			For Gate With Single Barb Wire Arm, Add	32.46	
			For Gate With Double Barb Wire Arm, Add	47.21	
32 31 13	13-0476	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	479.31	48.00
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.87	
			For 1" Mesh Fabric, Add	145.85	
			For 1-1/4" Mesh Fabric, Add	93.88	
			For 1-3/4" Mesh Fabric, Add	58.34	
			For 2-1/8" Mesh Fabric, Deduct	-29.17	
			For Gate With Single Barb Wire Arm, Add	36.88	
			For Gate With Double Barb Wire Arm, Add	53.65	
32 31 13	13-0477	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	541.47	55.21
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.41	
			For 1" Mesh Fabric, Add	163.36	
			For 1-1/4" Mesh Fabric, Add	105.15	
			For 1-3/4" Mesh Fabric, Add	65.34	
			For 2-1/8" Mesh Fabric, Deduct	-32.67	
			For Gate With Single Barb Wire Arm, Add	41.31	
			For Gate With Double Barb Wire Arm, Add	60.08	
32 31 13	13-0478	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	602.58	62.20
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.96	
			For 1" Mesh Fabric, Add	180.86	
			For 1-1/4" Mesh Fabric, Add	116.41	
			For 1-3/4" Mesh Fabric, Add	72.34	
			For 2-1/8" Mesh Fabric, Deduct	-36.17	
			For Gate With Single Barb Wire Arm, Add	45.73	
			For Gate With Double Barb Wire Arm, Add	66.52	
32 31 13	13-0479	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	664.74	69.51
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.50	
			For 1" Mesh Fabric, Add	198.36	
			For 1-1/4" Mesh Fabric, Add	127.68	
			For 1-3/4" Mesh Fabric, Add	79.34	
			For 2-1/8" Mesh Fabric, Deduct	-39.67	
			For Gate With Single Barb Wire Arm, Add	50.16	
			For Gate With Double Barb Wire Arm, Add	72.96	
32 31 13	13-0480	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	852.49	69.51
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-120.70	
			For 1" Mesh Fabric, Add	280.03	
			For 1-1/4" Mesh Fabric, Add	180.25	
			For 1-3/4" Mesh Fabric, Add	112.01	
			For 2-1/8" Mesh Fabric, Deduct	-56.01	
			For Gate With Single Barb Wire Arm, Add	70.81	
			For Gate With Double Barb Wire Arm, Add	103.00	
32 31 13	13-0481	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,053.71	93.64
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-144.84	
			For 1" Mesh Fabric, Add	336.03	
			For 1-1/4" Mesh Fabric, Add	216.29	
			For 1-3/4" Mesh Fabric, Add	134.41	
			For 2-1/8" Mesh Fabric, Deduct	-67.21	
			For Gate With Single Barb Wire Arm, Add	84.97	
			For Gate With Double Barb Wire Arm, Add	123.60	
32 31 13	13-0482	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,204.10	100.90
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-168.98	
			For 1" Mesh Fabric, Add	392.04	
			For 1-1/4" Mesh Fabric, Add	252.35	
			For 1-3/4" Mesh Fabric, Add	156.82	
			For 2-1/8" Mesh Fabric, Deduct	-78.41	
			For Gate With Single Barb Wire Arm, Add	99.14	
			For Gate With Double Barb Wire Arm, Add	144.20	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0483	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,358.07	109.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-193.12	
		For 1" Mesh Fabric, Add	448.04	
		For 1-1/4" Mesh Fabric, Add	288.39	
		For 1-3/4" Mesh Fabric, Add	179.21	
		For 2-1/8" Mesh Fabric, Deduct	-89.61	
		For Gate With Single Barb Wire Arm, Add	113.30	
		For Gate With Double Barb Wire Arm, Add	164.80	
32 31 13 13-0484	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,516.66	119.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-217.26	
		For 1" Mesh Fabric, Add	504.05	
		For 1-1/4" Mesh Fabric, Add	324.44	
		For 1-3/4" Mesh Fabric, Add	201.62	
		For 2-1/8" Mesh Fabric, Deduct	-100.81	
		For Gate With Single Barb Wire Arm, Add	127.46	
		For Gate With Double Barb Wire Arm, Add	185.40	
32 31 13 13-0485	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,681.18	131.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-241.40	
		For 1" Mesh Fabric, Add	560.05	
		For 1-1/4" Mesh Fabric, Add	360.49	
		For 1-3/4" Mesh Fabric, Add	224.02	
		For 2-1/8" Mesh Fabric, Deduct	-112.01	
		For Gate With Single Barb Wire Arm, Add	141.62	
		For Gate With Double Barb Wire Arm, Add	205.99	
32 31 13 13-0486	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,853.66	145.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-265.54	
		For 1" Mesh Fabric, Add	616.04	
		For 1-1/4" Mesh Fabric, Add	396.53	
		For 1-3/4" Mesh Fabric, Add	246.42	
		For 2-1/8" Mesh Fabric, Deduct	-123.21	
		For Gate With Single Barb Wire Arm, Add	155.78	
		For Gate With Double Barb Wire Arm, Add	226.59	
32 31 13 13-0487	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,037.10	163.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-289.68	
		For 1" Mesh Fabric, Add	672.05	
		For 1-1/4" Mesh Fabric, Add	432.59	
		For 1-3/4" Mesh Fabric, Add	268.82	
		For 2-1/8" Mesh Fabric, Deduct	-134.41	
		For Gate With Single Barb Wire Arm, Add	169.94	
		For Gate With Double Barb Wire Arm, Add	247.19	
32 31 13 13-0488	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,236.18	187.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-313.82	
		For 1" Mesh Fabric, Add	728.07	
		For 1-1/4" Mesh Fabric, Add	468.64	
		For 1-3/4" Mesh Fabric, Add	291.23	
		For 2-1/8" Mesh Fabric, Deduct	-145.61	
		For Gate With Single Barb Wire Arm, Add	184.11	
		For Gate With Double Barb Wire Arm, Add	267.80	
32 31 13 13-0489	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,458.66	218.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-337.96	
		For 1" Mesh Fabric, Add	784.07	
		For 1-1/4" Mesh Fabric, Add	504.69	
		For 1-3/4" Mesh Fabric, Add	313.63	
		For 2-1/8" Mesh Fabric, Deduct	-156.81	
		For Gate With Single Barb Wire Arm, Add	198.27	
		For Gate With Double Barb Wire Arm, Add	288.39	
32 31 13 13-0490	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,718.66	262.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-362.10	
		For 1" Mesh Fabric, Add	840.08	
		For 1-1/4" Mesh Fabric, Add	540.74	
		For 1-3/4" Mesh Fabric, Add	336.03	
		For 2-1/8" Mesh Fabric, Deduct	-168.02	
		For Gate With Single Barb Wire Arm, Add	212.43	
		For Gate With Double Barb Wire Arm, Add	308.99	
32 31 13 13-0491		8' Fence Height (32 31 13 13-0410)		
32 31 13 13-0492	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	299.43	34.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.57	
		For 1" Mesh Fabric, Add	84.85	
		For 1-1/4" Mesh Fabric, Add	54.62	
		For 1-3/4" Mesh Fabric, Add	33.94	
		For 2-1/8" Mesh Fabric, Deduct	-16.97	
		For Gate With Single Barb Wire Arm, Add	21.46	
		For Gate With Double Barb Wire Arm, Add	31.21	
32 31 13 13-0493	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	364.45	34.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.77	
		For 1" Mesh Fabric, Add	113.13	
		For 1-1/4" Mesh Fabric, Add	72.82	
		For 1-3/4" Mesh Fabric, Add	45.25	
		For 2-1/8" Mesh Fabric, Deduct	-22.63	
		For Gate With Single Barb Wire Arm, Add	28.61	
		For Gate With Double Barb Wire Arm, Add	41.61	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0494	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	407.80	34.76	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.89		
		For 1" Mesh Fabric, Add	131.99		
		For 1-1/4" Mesh Fabric, Add	84.96		
		For 1-3/4" Mesh Fabric, Add	52.80		
		For 2-1/8" Mesh Fabric, Deduct	-26.40		
		For Gate With Single Barb Wire Arm, Add	33.38		
		For Gate With Double Barb Wire Arm, Add	48.55		
32 31 13 13-0495	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	478.29	43.84	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-65.02		
		For 1" Mesh Fabric, Add	150.85		
		For 1-1/4" Mesh Fabric, Add	97.10		
		For 1-3/4" Mesh Fabric, Add	60.34		
		For 2-1/8" Mesh Fabric, Deduct	-30.17		
		For Gate With Single Barb Wire Arm, Add	38.15		
		For Gate With Double Barb Wire Arm, Add	55.48		
32 31 13 13-0496	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	548.76	52.81	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.15		
		For 1" Mesh Fabric, Add	169.70		
		For 1-1/4" Mesh Fabric, Add	109.23		
		For 1-3/4" Mesh Fabric, Add	67.88		
		For 2-1/8" Mesh Fabric, Deduct	-33.94		
		For Gate With Single Barb Wire Arm, Add	42.91		
		For Gate With Double Barb Wire Arm, Add	62.42		
32 31 13 13-0497	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	618.20	61.47	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.28		
		For 1" Mesh Fabric, Add	188.56		
		For 1-1/4" Mesh Fabric, Add	121.37		
		For 1-3/4" Mesh Fabric, Add	75.42		
		For 2-1/8" Mesh Fabric, Deduct	-37.71		
		For Gate With Single Barb Wire Arm, Add	47.68		
		For Gate With Double Barb Wire Arm, Add	69.36		
32 31 13 13-0498	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	688.69	70.55	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.40		
		For 1" Mesh Fabric, Add	207.42		
		For 1-1/4" Mesh Fabric, Add	133.51		
		For 1-3/4" Mesh Fabric, Add	82.97		
		For 2-1/8" Mesh Fabric, Deduct	-41.48		
		For Gate With Single Barb Wire Arm, Add	52.45		
		For Gate With Double Barb Wire Arm, Add	76.29		
32 31 13 13-0499	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	759.15	79.64	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.53		
		For 1" Mesh Fabric, Add	226.27		
		For 1-1/4" Mesh Fabric, Add	145.64		
		For 1-3/4" Mesh Fabric, Add	90.51		
		For 2-1/8" Mesh Fabric, Deduct	-45.25		
		For Gate With Single Barb Wire Arm, Add	57.22		
		For Gate With Double Barb Wire Arm, Add	83.23		
32 31 13 13-0500	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,061.47	93.64	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.30		
		For 1" Mesh Fabric, Add	339.40		
		For 1-1/4" Mesh Fabric, Add	218.47		
		For 1-3/4" Mesh Fabric, Add	135.76		
		For 2-1/8" Mesh Fabric, Deduct	-67.88		
		For Gate With Single Barb Wire Arm, Add	85.83		
		For Gate With Double Barb Wire Arm, Add	124.84		
32 31 13 13-0501	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,239.14	100.90	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.55		
		For 1" Mesh Fabric, Add	407.28		
		For 1-1/4" Mesh Fabric, Add	262.16		
		For 1-3/4" Mesh Fabric, Add	162.91		
		For 2-1/8" Mesh Fabric, Deduct	-81.46		
		For Gate With Single Barb Wire Arm, Add	102.99		
		For Gate With Double Barb Wire Arm, Add	149.80		
32 31 13 13-0502	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,420.43	109.26	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-204.81		
		For 1" Mesh Fabric, Add	475.16		
		For 1-1/4" Mesh Fabric, Add	305.85		
		For 1-3/4" Mesh Fabric, Add	190.07		
		For 2-1/8" Mesh Fabric, Deduct	-95.03		
		For Gate With Single Barb Wire Arm, Add	120.16		
		For Gate With Double Barb Wire Arm, Add	174.77		
32 31 13 13-0503	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,606.31	119.22	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-234.07		
		For 1" Mesh Fabric, Add	543.05		
		For 1-1/4" Mesh Fabric, Add	349.55		
		For 1-3/4" Mesh Fabric, Add	217.22		
		For 2-1/8" Mesh Fabric, Deduct	-108.61		
		For Gate With Single Barb Wire Arm, Add	137.32		
		For Gate With Double Barb Wire Arm, Add	199.74		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0504	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,798.14 -263.33 610.92 393.24 244.37 -122.18 154.49 224.71	131.15
32 31 13	13-0505	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,997.94 -292.59 678.80 436.93 271.52 -135.76 171.65 249.68	145.67
32 31 13	13-0506	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,208.67 -321.85 746.69 480.63 298.67 -149.34 188.82 274.64	163.88
32 31 13	13-0507	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,435.03 -351.11 814.57 524.32 325.83 -162.91 205.98 299.61	187.26
32 31 13	13-0508	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,684.82 -380.36 882.45 568.01 352.98 -176.49 223.15 324.58	218.52
32 31 13	13-0509	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,972.11 -409.62 950.33 611.70 380.13 -190.07 240.31 349.55	262.20
32 31 13	13-0510	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,325.02 -438.88 1,018.21 655.40 407.28 -203.64 257.48 374.51	327.78
32 31 13	13-0511		10' Fence Height (32 31 13 13-0410)		
32 31 13	13-0512	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	342.25 -42.43 98.43 63.36 39.37 -19.69 24.89 36.20	38.61
32 31 13	13-0513	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	417.67 -56.57 131.24 84.48 52.50 -26.25 33.19 48.27	38.61
32 31 13	13-0514	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	473.05 -66.00 153.12 98.56 61.25 -30.62 38.72 56.32	40.28



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0515	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	552.56	50.10
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.43	
			For 1" Mesh Fabric, Add	174.99	
			For 1-1/4" Mesh Fabric, Add	112.64	
			For 1-3/4" Mesh Fabric, Add	69.99	
			For 2-1/8" Mesh Fabric, Deduct	-35.00	
			For Gate With Single Barb Wire Arm, Add	44.25	
			For Gate With Double Barb Wire Arm, Add	64.36	
32 31 13	13-0516	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	631.03	59.39
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-84.86	
			For 1" Mesh Fabric, Add	196.86	
			For 1-1/4" Mesh Fabric, Add	126.72	
			For 1-3/4" Mesh Fabric, Add	78.75	
			For 2-1/8" Mesh Fabric, Deduct	-39.37	
			For Gate With Single Barb Wire Arm, Add	49.78	
			For Gate With Double Barb Wire Arm, Add	72.41	
32 31 13	13-0517	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	710.53	69.19
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.28	
			For 1" Mesh Fabric, Add	218.74	
			For 1-1/4" Mesh Fabric, Add	140.80	
			For 1-3/4" Mesh Fabric, Add	87.50	
			For 2-1/8" Mesh Fabric, Deduct	-43.75	
			For Gate With Single Barb Wire Arm, Add	55.31	
			For Gate With Double Barb Wire Arm, Add	80.46	
32 31 13	13-0518	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	789.00	78.59
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-103.71	
			For 1" Mesh Fabric, Add	240.62	
			For 1-1/4" Mesh Fabric, Add	154.88	
			For 1-3/4" Mesh Fabric, Add	96.25	
			For 2-1/8" Mesh Fabric, Deduct	-48.12	
			For Gate With Single Barb Wire Arm, Add	60.85	
			For Gate With Double Barb Wire Arm, Add	88.50	
32 31 13	13-0519	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	868.52	88.30
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.14	
			For 1" Mesh Fabric, Add	262.49	
			For 1-1/4" Mesh Fabric, Add	168.96	
			For 1-3/4" Mesh Fabric, Add	105.00	
			For 2-1/8" Mesh Fabric, Deduct	-52.50	
			For Gate With Single Barb Wire Arm, Add	66.38	
			For Gate With Double Barb Wire Arm, Add	96.55	
32 31 13	13-0520	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,217.58	104.09
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-169.71	
			For 1" Mesh Fabric, Add	393.72	
			For 1-1/4" Mesh Fabric, Add	253.43	
			For 1-3/4" Mesh Fabric, Add	157.49	
			For 2-1/8" Mesh Fabric, Deduct	-78.74	
			For Gate With Single Barb Wire Arm, Add	99.56	
			For Gate With Double Barb Wire Arm, Add	144.82	
32 31 13	13-0521	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,422.54	111.97
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-203.65	
			For 1" Mesh Fabric, Add	472.47	
			For 1-1/4" Mesh Fabric, Add	304.12	
			For 1-3/4" Mesh Fabric, Add	188.99	
			For 2-1/8" Mesh Fabric, Deduct	-94.49	
			For Gate With Single Barb Wire Arm, Add	119.48	
			For Gate With Double Barb Wire Arm, Add	173.78	
32 31 13	13-0522	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,631.72	121.43
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-237.59	
			For 1" Mesh Fabric, Add	551.21	
			For 1-1/4" Mesh Fabric, Add	354.80	
			For 1-3/4" Mesh Fabric, Add	220.49	
			For 2-1/8" Mesh Fabric, Deduct	-110.24	
			For Gate With Single Barb Wire Arm, Add	139.39	
			For Gate With Double Barb Wire Arm, Add	202.75	
32 31 13	13-0523	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,845.71	132.38
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-271.53	
			For 1" Mesh Fabric, Add	629.96	
			For 1-1/4" Mesh Fabric, Add	405.49	
			For 1-3/4" Mesh Fabric, Add	251.98	
			For 2-1/8" Mesh Fabric, Deduct	-125.99	
			For Gate With Single Barb Wire Arm, Add	159.30	
			For Gate With Double Barb Wire Arm, Add	231.71	
32 31 13	13-0524	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,066.67	145.67
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-305.48	
			For 1" Mesh Fabric, Add	708.70	
			For 1-1/4" Mesh Fabric, Add	456.18	
			For 1-3/4" Mesh Fabric, Add	283.48	
			For 2-1/8" Mesh Fabric, Deduct	-141.74	
			For Gate With Single Barb Wire Arm, Add	179.21	
			For Gate With Double Barb Wire Arm, Add	260.67	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0525	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,296.06	161.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-339.42	
		For 1" Mesh Fabric, Add	787.45	
		For 1-1/4" Mesh Fabric, Add	506.86	
		For 1-3/4" Mesh Fabric, Add	314.98	
		For 2-1/8" Mesh Fabric, Deduct	-157.49	
		For Gate With Single Barb Wire Arm, Add	199.12	
		For Gate With Double Barb Wire Arm, Add	289.64	
32 31 13 13-0526	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,538.09	182.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-373.36	
		For 1" Mesh Fabric, Add	866.19	
		For 1-1/4" Mesh Fabric, Add	557.55	
		For 1-3/4" Mesh Fabric, Add	346.48	
		For 2-1/8" Mesh Fabric, Deduct	-173.24	
		For Gate With Single Barb Wire Arm, Add	219.04	
		For Gate With Double Barb Wire Arm, Add	318.60	
32 31 13 13-0527	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,796.83	207.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-407.30	
		For 1" Mesh Fabric, Add	944.94	
		For 1-1/4" Mesh Fabric, Add	608.24	
		For 1-3/4" Mesh Fabric, Add	377.97	
		For 2-1/8" Mesh Fabric, Deduct	-188.99	
		For Gate With Single Barb Wire Arm, Add	238.95	
		For Gate With Double Barb Wire Arm, Add	347.56	
32 31 13 13-0528	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,082.40	242.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-441.24	
		For 1" Mesh Fabric, Add	1,023.68	
		For 1-1/4" Mesh Fabric, Add	658.92	
		For 1-3/4" Mesh Fabric, Add	409.47	
		For 2-1/8" Mesh Fabric, Deduct	-204.74	
		For Gate With Single Barb Wire Arm, Add	258.86	
		For Gate With Double Barb Wire Arm, Add	376.53	
32 31 13 13-0529	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,408.47	291.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-475.18	
		For 1" Mesh Fabric, Add	1,102.42	
		For 1-1/4" Mesh Fabric, Add	709.61	
		For 1-3/4" Mesh Fabric, Add	440.97	
		For 2-1/8" Mesh Fabric, Deduct	-220.48	
		For Gate With Single Barb Wire Arm, Add	278.77	
		For Gate With Double Barb Wire Arm, Add	405.49	
32 31 13 13-0530	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,809.01	364.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-509.13	
		For 1" Mesh Fabric, Add	1,181.17	
		For 1-1/4" Mesh Fabric, Add	760.30	
		For 1-3/4" Mesh Fabric, Add	472.47	
		For 2-1/8" Mesh Fabric, Deduct	-236.23	
		For Gate With Single Barb Wire Arm, Add	298.69	
		For Gate With Double Barb Wire Arm, Add	434.45	
32 31 13 13-0531 12' Fence Height (32 31 13 13-0410)				
32 31 13 13-0532	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	444.42	42.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.17	
		For 1" Mesh Fabric, Add	137.27	
		For 1-1/4" Mesh Fabric, Add	88.36	
		For 1-3/4" Mesh Fabric, Add	54.91	
		For 2-1/8" Mesh Fabric, Deduct	-27.45	
		For Gate With Single Barb Wire Arm, Add	34.71	
		For Gate With Double Barb Wire Arm, Add	50.49	
32 31 13 13-0533	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	549.32	42.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.84	
		For 1" Mesh Fabric, Add	182.90	
		For 1-1/4" Mesh Fabric, Add	117.73	
		For 1-3/4" Mesh Fabric, Add	73.16	
		For 2-1/8" Mesh Fabric, Deduct	-36.58	
		For Gate With Single Barb Wire Arm, Add	46.25	
		For Gate With Double Barb Wire Arm, Add	67.28	
32 31 13 13-0534	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	632.08	44.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-93.47	
		For 1" Mesh Fabric, Add	216.84	
		For 1-1/4" Mesh Fabric, Add	139.58	
		For 1-3/4" Mesh Fabric, Add	86.74	
		For 2-1/8" Mesh Fabric, Deduct	-43.37	
		For Gate With Single Barb Wire Arm, Add	54.83	
		For Gate With Double Barb Wire Arm, Add	79.76	
32 31 13 13-0535	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	729.45	55.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-105.66	
		For 1" Mesh Fabric, Add	245.13	
		For 1-1/4" Mesh Fabric, Add	157.78	
		For 1-3/4" Mesh Fabric, Add	98.05	
		For 2-1/8" Mesh Fabric, Deduct	-49.03	
		For Gate With Single Barb Wire Arm, Add	61.99	
		For Gate With Double Barb Wire Arm, Add	90.16	



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32	31	13	13-0536 EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	834.06	66.07
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-119.21	
			For 1" Mesh Fabric, Add	276.56	
			For 1-1/4" Mesh Fabric, Add	178.01	
			For 1-3/4" Mesh Fabric, Add	110.62	
			For 2-1/8" Mesh Fabric, Deduct	-55.31	
			For Gate With Single Barb Wire Arm, Add	69.93	
			For Gate With Double Barb Wire Arm, Add	101.72	
32	31	13	13-0537 EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	937.62	76.50
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.75	
			For 1" Mesh Fabric, Add	307.98	
			For 1-1/4" Mesh Fabric, Add	198.24	
			For 1-3/4" Mesh Fabric, Add	123.19	
			For 2-1/8" Mesh Fabric, Deduct	-61.60	
			For Gate With Single Barb Wire Arm, Add	77.88	
			For Gate With Double Barb Wire Arm, Add	113.28	
32	31	13	13-0538 EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,042.22	87.26
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.30	
			For 1" Mesh Fabric, Add	339.41	
			For 1-1/4" Mesh Fabric, Add	218.47	
			For 1-3/4" Mesh Fabric, Add	135.76	
			For 2-1/8" Mesh Fabric, Deduct	-67.88	
			For Gate With Single Barb Wire Arm, Add	85.83	
			For Gate With Double Barb Wire Arm, Add	124.84	
32	31	13	13-0539 EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,139.60	98.00
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.49	
			For 1" Mesh Fabric, Add	367.69	
			For 1-1/4" Mesh Fabric, Add	236.68	
			For 1-3/4" Mesh Fabric, Add	147.08	
			For 2-1/8" Mesh Fabric, Deduct	-73.54	
			For Gate With Single Barb Wire Arm, Add	92.98	
			For Gate With Double Barb Wire Arm, Add	135.24	
32	31	13	13-0540 EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,614.54	115.66
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-237.65	
			For 1" Mesh Fabric, Add	551.35	
			For 1-1/4" Mesh Fabric, Add	354.89	
			For 1-3/4" Mesh Fabric, Add	220.54	
			For 2-1/8" Mesh Fabric, Deduct	-110.27	
			For Gate With Single Barb Wire Arm, Add	139.42	
			For Gate With Double Barb Wire Arm, Add	202.80	
32	31	13	13-0541 EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,935.92	124.51
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-292.92	
			For 1" Mesh Fabric, Add	679.57	
			For 1-1/4" Mesh Fabric, Add	437.42	
			For 1-3/4" Mesh Fabric, Add	271.83	
			For 2-1/8" Mesh Fabric, Deduct	-135.91	
			For Gate With Single Barb Wire Arm, Add	171.85	
			For Gate With Double Barb Wire Arm, Add	249.96	
32	31	13	13-0542 EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,229.10	134.85
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-342.01	
			For 1" Mesh Fabric, Add	793.46	
			For 1-1/4" Mesh Fabric, Add	510.73	
			For 1-3/4" Mesh Fabric, Add	317.38	
			For 2-1/8" Mesh Fabric, Deduct	-158.69	
			For Gate With Single Barb Wire Arm, Add	200.64	
			For Gate With Double Barb Wire Arm, Add	291.85	
32	31	13	13-0543 EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,525.91	147.03
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-390.77	
			For 1" Mesh Fabric, Add	906.59	
			For 1-1/4" Mesh Fabric, Add	583.55	
			For 1-3/4" Mesh Fabric, Add	362.64	
			For 2-1/8" Mesh Fabric, Deduct	-181.32	
			For Gate With Single Barb Wire Arm, Add	229.25	
			For Gate With Double Barb Wire Arm, Add	333.46	
32	31	13	13-0544 EA 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,826.82	161.92
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-438.89	
			For 1" Mesh Fabric, Add	1,018.22	
			For 1-1/4" Mesh Fabric, Add	655.41	
			For 1-3/4" Mesh Fabric, Add	407.29	
			For 2-1/8" Mesh Fabric, Deduct	-203.64	
			For Gate With Single Barb Wire Arm, Add	257.48	
			For Gate With Double Barb Wire Arm, Add	374.52	
32	31	13	13-0545 EA 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,140.46	179.76
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-487.65	
			For 1" Mesh Fabric, Add	1,131.36	
			For 1-1/4" Mesh Fabric, Add	728.23	
			For 1-3/4" Mesh Fabric, Add	452.54	
			For 2-1/8" Mesh Fabric, Deduct	-226.27	
			For Gate With Single Barb Wire Arm, Add	286.09	
			For Gate With Double Barb Wire Arm, Add	416.13	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0546	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,468.50	202.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-536.42	
		For 1" Mesh Fabric, Add	1,244.49	
		For 1-1/4" Mesh Fabric, Add	801.05	
		For 1-3/4" Mesh Fabric, Add	497.80	
		For 2-1/8" Mesh Fabric, Deduct	-248.90	
		For Gate With Single Barb Wire Arm, Add	314.70	
		For Gate With Double Barb Wire Arm, Add	457.74	
32 31 13 13-0547	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,814.94	231.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-585.18	
		For 1" Mesh Fabric, Add	1,357.63	
		For 1-1/4" Mesh Fabric, Add	873.87	
		For 1-3/4" Mesh Fabric, Add	543.05	
		For 2-1/8" Mesh Fabric, Deduct	-271.53	
		For Gate With Single Barb Wire Arm, Add	343.31	
		For Gate With Double Barb Wire Arm, Add	499.36	
32 31 13 13-0548	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,199.87	269.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-635.58	
		For 1" Mesh Fabric, Add	1,474.54	
		For 1-1/4" Mesh Fabric, Add	949.13	
		For 1-3/4" Mesh Fabric, Add	589.81	
		For 2-1/8" Mesh Fabric, Deduct	-294.91	
		For Gate With Single Barb Wire Arm, Add	372.87	
		For Gate With Double Barb Wire Arm, Add	542.36	
32 31 13 13-0549	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,621.11	323.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-684.34	
		For 1" Mesh Fabric, Add	1,587.67	
		For 1-1/4" Mesh Fabric, Add	1,021.95	
		For 1-3/4" Mesh Fabric, Add	635.07	
		For 2-1/8" Mesh Fabric, Deduct	-317.53	
		For Gate With Single Barb Wire Arm, Add	401.48	
		For Gate With Double Barb Wire Arm, Add	583.97	
32 31 13 13-0550	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	5,125.09	404.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-733.11	
		For 1" Mesh Fabric, Add	1,700.81	
		For 1-1/4" Mesh Fabric, Add	1,094.77	
		For 1-3/4" Mesh Fabric, Add	680.32	
		For 2-1/8" Mesh Fabric, Deduct	-340.16	
		For Gate With Single Barb Wire Arm, Add	430.09	
		For Gate With Double Barb Wire Arm, Add	625.58	
32 31 13 13-0551		Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0268) Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0647 for additional gate accessories, 32 31 13 13-0743 for gate replacement parts.		
32 31 13 13-0552		4' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)		
32 31 13 13-0553	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,256.80	399.38
		For 1" Mesh Fabric, Add	1,069.22	
		For 1-1/4" Mesh Fabric, Add	688.23	
		For 1-3/4" Mesh Fabric, Add	427.69	
		For 2-1/8" Mesh Fabric, Deduct	-213.84	
		For Gate With Barb Wire Arm, Add	270.38	
		For Vinyl Coated, Add	737.39	
32 31 13 13-0554	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,913.83	482.19
		For 1" Mesh Fabric, Add	1,283.07	
		For 1-1/4" Mesh Fabric, Add	825.88	
		For 1-3/4" Mesh Fabric, Add	513.23	
		For 2-1/8" Mesh Fabric, Deduct	-256.61	
		For Gate With Barb Wire Arm, Add	324.45	
		For Vinyl Coated, Add	884.87	
32 31 13 13-0555	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,566.36	562.54
		For 1" Mesh Fabric, Add	1,496.91	
		For 1-1/4" Mesh Fabric, Add	963.53	
		For 1-3/4" Mesh Fabric, Add	598.77	
		For 2-1/8" Mesh Fabric, Deduct	-299.38	
		For Gate With Barb Wire Arm, Add	378.53	
		For Vinyl Coated, Add	1,032.35	
32 31 13 13-0556	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,225.88	646.56
		For 1" Mesh Fabric, Add	1,710.76	
		For 1-1/4" Mesh Fabric, Add	1,101.18	
		For 1-3/4" Mesh Fabric, Add	684.30	
		For 2-1/8" Mesh Fabric, Deduct	-342.15	
		For Gate With Barb Wire Arm, Add	432.61	
		For Vinyl Coated, Add	1,179.83	
32 31 13 13-0557	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,879.16	727.40
		For 1" Mesh Fabric, Add	1,924.61	
		For 1-1/4" Mesh Fabric, Add	1,238.83	
		For 1-3/4" Mesh Fabric, Add	769.84	
		For 2-1/8" Mesh Fabric, Deduct	-384.92	
		For Gate With Barb Wire Arm, Add	486.68	
		For Vinyl Coated, Add	1,327.31	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0558	EA	20'	Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,517.52	800.74
			For 1" Mesh Fabric, Add	2,138.45	
			For 1-1/4" Mesh Fabric, Add	1,376.47	
			For 1-3/4" Mesh Fabric, Add	855.38	
			For 2-1/8" Mesh Fabric, Deduct	-427.69	
			For Gate With Barb Wire Arm, Add	540.76	
			For Vinyl Coated, Add	1,474.79	
32 31 13 13-0559	EA	24'	Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,784.38	964.25
			For 1" Mesh Fabric, Add	2,547.31	
			For 1-1/4" Mesh Fabric, Add	1,639.65	
			For 1-3/4" Mesh Fabric, Add	1,018.92	
			For 2-1/8" Mesh Fabric, Deduct	-509.46	
			For Gate With Barb Wire Arm, Add	644.15	
			For Vinyl Coated, Add	1,756.76	
32 31 13 13-0560	EA	30'	Long x 4' High Chain Link Galvanized Steel Sliding Gate	11,014.14	1,820.10
			For 1" Mesh Fabric, Add	3,207.67	
			For 1-1/4" Mesh Fabric, Add	2,064.71	
			For 1-3/4" Mesh Fabric, Add	1,283.07	
			For 2-1/8" Mesh Fabric, Deduct	-641.53	
			For Gate With Barb Wire Arm, Add	811.14	
			For Vinyl Coated, Add	2,212.19	
32 31 13 13-0561	EA	40'	Long x 4' High Chain Link Galvanized Steel Sliding Gate	14,685.52	2,426.81
			For 1" Mesh Fabric, Add	4,276.89	
			For 1-1/4" Mesh Fabric, Add	2,752.94	
			For 1-3/4" Mesh Fabric, Add	1,710.76	
			For 2-1/8" Mesh Fabric, Deduct	-855.38	
			For Gate With Barb Wire Arm, Add	1,081.51	
			For Vinyl Coated, Add	2,949.58	
32 31 13 13-0562			5' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)		
32 31 13 13-0563	EA	10'	Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,399.59	434.69
			For 1" Mesh Fabric, Add	1,100.65	
			For 1-1/4" Mesh Fabric, Add	708.46	
			For 1-3/4" Mesh Fabric, Add	440.26	
			For 2-1/8" Mesh Fabric, Deduct	-220.13	
			For Gate With Barb Wire Arm, Add	278.32	
			For Vinyl Coated, Add	759.07	
32 31 13 13-0564	EA	12'	Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,078.30	521.07
			For 1" Mesh Fabric, Add	1,320.78	
			For 1-1/4" Mesh Fabric, Add	850.16	
			For 1-3/4" Mesh Fabric, Add	528.31	
			For 2-1/8" Mesh Fabric, Deduct	-264.16	
			For Gate With Barb Wire Arm, Add	333.99	
			For Vinyl Coated, Add	910.88	
32 31 13 13-0565	EA	14'	Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,757.82	607.81
			For 1" Mesh Fabric, Add	1,540.91	
			For 1-1/4" Mesh Fabric, Add	991.85	
			For 1-3/4" Mesh Fabric, Add	616.36	
			For 2-1/8" Mesh Fabric, Deduct	-308.18	
			For Gate With Barb Wire Arm, Add	389.66	
			For Vinyl Coated, Add	1,062.70	
32 31 13 13-0566	EA	16'	Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,437.85	694.80
			For 1" Mesh Fabric, Add	1,761.04	
			For 1-1/4" Mesh Fabric, Add	1,133.54	
			For 1-3/4" Mesh Fabric, Add	704.42	
			For 2-1/8" Mesh Fabric, Deduct	-352.21	
			For Gate With Barb Wire Arm, Add	445.32	
			For Vinyl Coated, Add	1,214.51	
32 31 13 13-0567	EA	18'	Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,117.29	781.42
			For 1" Mesh Fabric, Add	1,981.16	
			For 1-1/4" Mesh Fabric, Add	1,275.23	
			For 1-3/4" Mesh Fabric, Add	792.47	
			For 2-1/8" Mesh Fabric, Deduct	-396.23	
			For Gate With Barb Wire Arm, Add	500.98	
			For Vinyl Coated, Add	1,366.32	
32 31 13 13-0568	EA	20'	Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,797.04	868.28
			For 1" Mesh Fabric, Add	2,201.29	
			For 1-1/4" Mesh Fabric, Add	1,416.92	
			For 1-3/4" Mesh Fabric, Add	880.52	
			For 2-1/8" Mesh Fabric, Deduct	-440.26	
			For Gate With Barb Wire Arm, Add	556.65	
			For Vinyl Coated, Add	1,518.13	
32 31 13 13-0569	EA	24'	Long x 5' High Chain Link Galvanized Steel Sliding Gate	8,114.26	1,043.12
			For 1" Mesh Fabric, Add	2,622.18	
			For 1-1/4" Mesh Fabric, Add	1,687.84	
			For 1-3/4" Mesh Fabric, Add	1,048.87	
			For 2-1/8" Mesh Fabric, Deduct	-524.44	
			For Gate With Barb Wire Arm, Add	663.08	
			For Vinyl Coated, Add	1,808.40	
32 31 13 13-0570	EA	30'	Long x 5' High Chain Link Galvanized Steel Sliding Gate	10,196.03	1,302.72
			For 1" Mesh Fabric, Add	3,301.94	
			For 1-1/4" Mesh Fabric, Add	2,125.39	
			For 1-3/4" Mesh Fabric, Add	1,320.78	
			For 2-1/8" Mesh Fabric, Deduct	-660.39	
			For Gate With Barb Wire Arm, Add	834.97	
			For Vinyl Coated, Add	2,277.20	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0571	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	13,594.10	1,736.57
			For 1" Mesh Fabric, Add	4,402.59	
			For 1-1/4" Mesh Fabric, Add	2,833.85	
			For 1-3/4" Mesh Fabric, Add	1,761.03	
			For 2-1/8" Mesh Fabric, Deduct	-880.52	
			For Gate With Barb Wire Arm, Add	1,113.30	
			For Vinyl Coated, Add	3,036.27	
32 31 13 13-0572 6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)					
32 31 13	13-0573	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,599.96	509.63
			For 1" Mesh Fabric, Add	1,122.64	
			For 1-1/4" Mesh Fabric, Add	722.62	
			For 1-3/4" Mesh Fabric, Add	449.06	
			For 2-1/8" Mesh Fabric, Deduct	-224.53	
			For Gate With Barb Wire Arm, Add	283.89	
			For Vinyl Coated, Add	774.24	
32 31 13	13-0574	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,316.36	609.65
			For 1" Mesh Fabric, Add	1,347.17	
			For 1-1/4" Mesh Fabric, Add	867.15	
			For 1-3/4" Mesh Fabric, Add	538.87	
			For 2-1/8" Mesh Fabric, Deduct	-269.43	
			For Gate With Barb Wire Arm, Add	340.66	
			For Vinyl Coated, Add	929.09	
32 31 13	13-0575	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,035.52	711.16
			For 1" Mesh Fabric, Add	1,571.70	
			For 1-1/4" Mesh Fabric, Add	1,011.67	
			For 1-3/4" Mesh Fabric, Add	628.68	
			For 2-1/8" Mesh Fabric, Deduct	-314.34	
			For Gate With Barb Wire Arm, Add	397.44	
			For Vinyl Coated, Add	1,083.93	
32 31 13	13-0576	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,755.15	812.92
			For 1" Mesh Fabric, Add	1,796.23	
			For 1-1/4" Mesh Fabric, Add	1,156.20	
			For 1-3/4" Mesh Fabric, Add	718.49	
			For 2-1/8" Mesh Fabric, Deduct	-359.25	
			For Gate With Barb Wire Arm, Add	454.22	
			For Vinyl Coated, Add	1,238.78	
32 31 13	13-0577	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,474.32	914.42
			For 1" Mesh Fabric, Add	2,020.76	
			For 1-1/4" Mesh Fabric, Add	1,300.72	
			For 1-3/4" Mesh Fabric, Add	808.30	
			For 2-1/8" Mesh Fabric, Deduct	-404.15	
			For Gate With Barb Wire Arm, Add	511.00	
			For Vinyl Coated, Add	1,393.63	
32 31 13	13-0578	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	7,200.33	1,019.38
			For 1" Mesh Fabric, Add	2,245.29	
			For 1-1/4" Mesh Fabric, Add	1,445.25	
			For 1-3/4" Mesh Fabric, Add	898.12	
			For 2-1/8" Mesh Fabric, Deduct	-449.06	
			For Gate With Barb Wire Arm, Add	567.77	
			For Vinyl Coated, Add	1,548.48	
32 31 13	13-0579	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	8,587.29	1,219.43
			For 1" Mesh Fabric, Add	2,674.58	
			For 1-1/4" Mesh Fabric, Add	1,721.57	
			For 1-3/4" Mesh Fabric, Add	1,069.83	
			For 2-1/8" Mesh Fabric, Deduct	-534.92	
			For Gate With Barb Wire Arm, Add	676.33	
			For Vinyl Coated, Add	1,844.54	
32 31 13	13-0580	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	10,791.65	1,524.69
			For 1" Mesh Fabric, Add	3,367.94	
			For 1-1/4" Mesh Fabric, Add	2,167.87	
			For 1-3/4" Mesh Fabric, Add	1,347.17	
			For 2-1/8" Mesh Fabric, Deduct	-673.59	
			For Gate With Barb Wire Arm, Add	851.66	
			For Vinyl Coated, Add	2,322.71	
32 31 13	13-0581	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	14,387.19	2,031.97
			For 1" Mesh Fabric, Add	4,490.58	
			For 1-1/4" Mesh Fabric, Add	2,890.49	
			For 1-3/4" Mesh Fabric, Add	1,796.23	
			For 2-1/8" Mesh Fabric, Deduct	-898.12	
			For Gate With Barb Wire Arm, Add	1,135.55	
			For Vinyl Coated, Add	3,096.95	
32 31 13 13-0582 7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)					
32 31 13	13-0583	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,818.80	568.44
			For 1" Mesh Fabric, Add	1,166.64	
			For 1-1/4" Mesh Fabric, Add	750.94	
			For 1-3/4" Mesh Fabric, Add	466.66	
			For 2-1/8" Mesh Fabric, Deduct	-233.33	
			For Gate With Barb Wire Arm, Add	295.01	
			For Vinyl Coated, Add	804.58	



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31
			32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0584	EA	12'	Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,581.71 1,400.01 901.15 560.00 -280.00 354.03 965.52	681.63
32 31 13 13-0585	EA	14'	Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,346.39 1,633.29 1,051.31 653.32 -326.66 413.02 1,126.41	795.82
32 31 13 13-0586	EA	16'	Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,109.16 1,866.62 1,201.51 746.65 -373.32 472.02 1,287.33	909.01
32 31 13 13-0587	EA	18'	Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,872.99 2,099.95 1,351.69 839.98 -419.99 531.02 1,448.24	1,022.82
32 31 13 13-0588	EA	20'	Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,636.04 2,333.28 1,501.88 933.31 -466.66 590.03 1,609.16	1,136.13
32 31 13 13-0589	EA	24'	Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	9,116.03 2,779.40 1,789.04 1,111.76 -555.88 702.84 1,916.83	1,363.26
32 31 13 13-0590	EA	30'	Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	11,454.04 3,499.91 2,252.82 1,399.97 -699.98 885.04 2,413.73	1,704.08
32 31 13 13-0591	EA	40'	Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	15,272.07 4,666.56 3,003.76 1,866.62 -933.31 1,180.05 3,218.32	2,272.14
32 31 13 13-0592			8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)		
32 31 13 13-0593	EA	10'	Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,993.02 1,201.21 773.19 480.48 -240.24 303.75 828.42	615.80
32 31 13 13-0594	EA	12'	Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,788.08 1,441.45 927.83 576.58 -288.29 364.50 994.10	737.25
32 31 13 13-0595	EA	14'	Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,586.15 1,681.68 1,082.46 672.67 -336.34 425.25 1,159.78	860.16
32 31 13 13-0596	EA	16'	Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,384.47 1,921.93 1,237.10 768.77 -384.39 486.00 1,325.47	983.08

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0597	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,181.43	1,105.50
		For 1" Mesh Fabric, Add	2,162.17	
		For 1-1/4" Mesh Fabric, Add	1,391.74	
		For 1-3/4" Mesh Fabric, Add	864.87	
		For 2-1/8" Mesh Fabric, Deduct	-432.43	
		For Gate With Barb Wire Arm, Add	546.76	
		For Vinyl Coated, Add	1,491.15	
32 31 13 13-0598	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,979.86	1,228.54
		For 1" Mesh Fabric, Add	2,402.41	
		For 1-1/4" Mesh Fabric, Add	1,546.38	
		For 1-3/4" Mesh Fabric, Add	960.96	
		For 2-1/8" Mesh Fabric, Deduct	-480.48	
		For Gate With Barb Wire Arm, Add	607.51	
		For Vinyl Coated, Add	1,656.83	
32 31 13 13-0599	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	9,527.52	1,474.37
		For 1" Mesh Fabric, Add	2,861.75	
		For 1-1/4" Mesh Fabric, Add	1,842.04	
		For 1-3/4" Mesh Fabric, Add	1,144.70	
		For 2-1/8" Mesh Fabric, Deduct	-572.35	
		For Gate With Barb Wire Arm, Add	723.66	
		For Vinyl Coated, Add	1,973.62	
32 31 13 13-0600	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	11,970.73	1,843.24
		For 1" Mesh Fabric, Add	3,603.62	
		For 1-1/4" Mesh Fabric, Add	2,319.57	
		For 1-3/4" Mesh Fabric, Add	1,441.45	
		For 2-1/8" Mesh Fabric, Deduct	-720.72	
		For Gate With Barb Wire Arm, Add	911.26	
		For Vinyl Coated, Add	2,485.26	
32 31 13 13-0601	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	15,957.28	2,455.84
		For 1" Mesh Fabric, Add	4,804.82	
		For 1-1/4" Mesh Fabric, Add	3,092.76	
		For 1-3/4" Mesh Fabric, Add	1,921.93	
		For 2-1/8" Mesh Fabric, Deduct	-960.96	
		For Gate With Barb Wire Arm, Add	1,215.01	
		For Vinyl Coated, Add	3,313.67	
32 31 13 13-0602		9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)		
32 31 13 13-0603	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,198.88	671.79
		For 1" Mesh Fabric, Add	1,242.06	
		For 1-1/4" Mesh Fabric, Add	799.48	
		For 1-3/4" Mesh Fabric, Add	496.82	
		For 2-1/8" Mesh Fabric, Deduct	-248.41	
		For Gate With Barb Wire Arm, Add	314.08	
		For Vinyl Coated, Add	856.59	
32 31 13 13-0604	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,033.67	803.69
		For 1" Mesh Fabric, Add	1,490.47	
		For 1-1/4" Mesh Fabric, Add	959.38	
		For 1-3/4" Mesh Fabric, Add	596.19	
		For 2-1/8" Mesh Fabric, Deduct	-298.09	
		For Gate With Barb Wire Arm, Add	376.90	
		For Vinyl Coated, Add	1,027.91	
32 31 13 13-0605	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,872.31	937.43
		For 1" Mesh Fabric, Add	1,738.89	
		For 1-1/4" Mesh Fabric, Add	1,119.28	
		For 1-3/4" Mesh Fabric, Add	695.55	
		For 2-1/8" Mesh Fabric, Deduct	-347.78	
		For Gate With Barb Wire Arm, Add	439.72	
		For Vinyl Coated, Add	1,199.23	
32 31 13 13-0606	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,712.01	1,071.78
		For 1" Mesh Fabric, Add	1,987.29	
		For 1-1/4" Mesh Fabric, Add	1,279.17	
		For 1-3/4" Mesh Fabric, Add	794.92	
		For 2-1/8" Mesh Fabric, Deduct	-397.46	
		For Gate With Barb Wire Arm, Add	502.53	
		For Vinyl Coated, Add	1,370.54	
32 31 13 13-0607	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,550.88	1,205.65
		For 1" Mesh Fabric, Add	2,235.70	
		For 1-1/4" Mesh Fabric, Add	1,439.07	
		For 1-3/4" Mesh Fabric, Add	894.28	
		For 2-1/8" Mesh Fabric, Deduct	-447.14	
		For Gate With Barb Wire Arm, Add	565.35	
		For Vinyl Coated, Add	1,541.87	
32 31 13 13-0608	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,389.73	1,339.51
		For 1" Mesh Fabric, Add	2,484.12	
		For 1-1/4" Mesh Fabric, Add	1,598.97	
		For 1-3/4" Mesh Fabric, Add	993.65	
		For 2-1/8" Mesh Fabric, Deduct	-496.82	
		For Gate With Barb Wire Arm, Add	628.17	
		For Vinyl Coated, Add	1,713.19	
32 31 13 13-0609	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	10,017.04	1,607.25
		For 1" Mesh Fabric, Add	2,959.07	
		For 1-1/4" Mesh Fabric, Add	1,904.69	
		For 1-3/4" Mesh Fabric, Add	1,183.63	
		For 2-1/8" Mesh Fabric, Deduct	-591.81	
		For Gate With Barb Wire Arm, Add	748.27	
		For Vinyl Coated, Add	2,040.74	



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0610	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	12,583.49 3,726.18 2,398.46 1,490.47 -745.24 942.25 2,569.78	2,008.84
32 31 13	13-0611	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	16,782.39 4,968.24 3,197.95 1,987.30 -993.65 1,256.34 3,426.37	2,680.64
32 31 13	13-0612		10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)		
32 31 13	13-0613	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,456.05 1,295.48 833.87 518.19 -259.10 327.59 893.43	738.97
32 31 13	13-0614	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,347.27 1,554.58 1,000.65 621.83 -310.92 393.11 1,072.12	886.73
32 31 13	13-0615	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,238.98 1,813.68 1,167.42 725.47 -362.74 458.63 1,250.81	1,034.76
32 31 13	13-0616	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,129.97 2,072.77 1,334.20 829.11 -414.55 524.15 1,429.50	1,182.52
32 31 13	13-0617	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	8,020.89 2,331.86 1,500.97 932.74 -466.37 589.67 1,608.18	1,330.16
32 31 13	13-0618	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	8,912.11 2,590.96 1,667.74 1,036.38 -518.19 655.19 1,786.87	1,477.94
32 31 13	13-0619	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	10,643.38 3,086.35 1,986.61 1,234.54 -617.27 780.46 2,128.52	1,774.21
32 31 13	13-0620	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	13,368.15 3,886.44 2,501.62 1,554.58 -777.29 982.78 2,680.30	2,216.90
32 31 13	13-0621	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	17,820.67 5,181.92 3,335.49 2,072.77 -1,036.38 1,310.37 3,573.74	2,954.15

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0622	Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller (32) 31 13 13-0268 Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.			
32 31 13 13-0623	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate.....	8,405.87	492.15
		For 1" Mesh Fabric, Add	3,228.38	
		For 1-1/4" Mesh Fabric, Add	2,078.04	
		For 1-3/4" Mesh Fabric, Add	1,291.35	
		For 2-1/8" Mesh Fabric, Deduct	-645.68	
		For Gate With Single Barb Wire Arm, Add	816.37	
		For Gate With Double Barb Wire Arm, Add	1,187.45	
		For Aluminized Steel Gate And Post, Add	3,562.35	
		For Powder Coated Gate And Post, Add	1,558.53	
		For Vinyl Coated, Add	2,226.47	
32 31 13 13-0624	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate.....	9,157.16	615.19
		For 1" Mesh Fabric, Add	3,448.14	
		For 1-1/4" Mesh Fabric, Add	2,219.50	
		For 1-3/4" Mesh Fabric, Add	1,379.26	
		For 2-1/8" Mesh Fabric, Deduct	-689.63	
		For Gate With Single Barb Wire Arm, Add	871.94	
		For Gate With Double Barb Wire Arm, Add	1,268.28	
		For Aluminized Steel Gate And Post, Add	3,804.85	
		For Powder Coated Gate And Post, Add	1,664.62	
		For Vinyl Coated, Add	2,378.03	
32 31 13 13-0625	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	9,915.38	738.23
		For 1" Mesh Fabric, Add	3,670.93	
		For 1-1/4" Mesh Fabric, Add	2,362.90	
		For 1-3/4" Mesh Fabric, Add	1,468.37	
		For 2-1/8" Mesh Fabric, Deduct	-734.19	
		For Gate With Single Barb Wire Arm, Add	928.28	
		For Gate With Double Barb Wire Arm, Add	1,350.23	
		For Aluminized Steel Gate And Post, Add	4,050.68	
		For Powder Coated Gate And Post, Add	1,772.17	
		For Vinyl Coated, Add	2,531.68	
32 31 13 13-0626	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	11,532.73	984.31
		For 1" Mesh Fabric, Add	4,160.39	
		For 1-1/4" Mesh Fabric, Add	2,677.95	
		For 1-3/4" Mesh Fabric, Add	1,664.16	
		For 2-1/8" Mesh Fabric, Deduct	-832.08	
		For Gate With Single Barb Wire Arm, Add	1,052.05	
		For Gate With Double Barb Wire Arm, Add	1,530.26	
		For Aluminized Steel Gate And Post, Add	4,590.77	
		For Powder Coated Gate And Post, Add	2,008.46	
		For Vinyl Coated, Add	2,869.23	
32 31 13 13-0627	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	10,659.71	984.31
		For 1" Mesh Fabric, Add	3,780.62	
		For 1-1/4" Mesh Fabric, Add	2,433.51	
		For 1-3/4" Mesh Fabric, Add	1,512.25	
		For 2-1/8" Mesh Fabric, Deduct	-756.12	
		For Gate With Single Barb Wire Arm, Add	956.02	
		For Gate With Double Barb Wire Arm, Add	1,390.57	
		For Aluminized Steel Gate And Post, Add	4,171.72	
		For Powder Coated Gate And Post, Add	1,825.13	
		For Vinyl Coated, Add	2,607.33	
32 31 13 13-0628	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	12,371.71	1,291.90
		For 1" Mesh Fabric, Add	4,257.74	
		For 1-1/4" Mesh Fabric, Add	2,740.61	
		For 1-3/4" Mesh Fabric, Add	1,703.10	
		For 2-1/8" Mesh Fabric, Deduct	-851.55	
		For Gate With Single Barb Wire Arm, Add	1,076.67	
		For Gate With Double Barb Wire Arm, Add	1,566.07	
		For Aluminized Steel Gate And Post, Add	4,698.20	
		For Powder Coated Gate And Post, Add	2,055.46	
		For Vinyl Coated, Add	2,936.37	
32 31 13 13-0629	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	16,502.15	1,599.50
		For 1" Mesh Fabric, Add	5,786.87	
		For 1-1/4" Mesh Fabric, Add	3,724.88	
		For 1-3/4" Mesh Fabric, Add	2,314.75	
		For 2-1/8" Mesh Fabric, Deduct	-1,157.37	
		For Gate With Single Barb Wire Arm, Add	1,463.35	
		For Gate With Double Barb Wire Arm, Add	2,128.50	
		For Aluminized Steel Gate And Post, Add	6,385.51	
		For Powder Coated Gate And Post, Add	2,793.66	
		For Vinyl Coated, Add	3,990.95	
32 31 13 13-0630	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	18,495.88	1,907.09
		For 1" Mesh Fabric, Add	6,386.54	
		For 1-1/4" Mesh Fabric, Add	4,110.87	
		For 1-3/4" Mesh Fabric, Add	2,554.61	
		For 2-1/8" Mesh Fabric, Deduct	-1,277.31	
		For Gate With Single Barb Wire Arm, Add	1,614.99	
		For Gate With Double Barb Wire Arm, Add	2,349.07	
		For Aluminized Steel Gate And Post, Add	7,047.21	
		For Powder Coated Gate And Post, Add	3,083.15	
		For Vinyl Coated, Add	4,404.51	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0631	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate.....	21,801.33	2,091.65
			For 1" Mesh Fabric, Add	7,663.84	
			For 1-1/4" Mesh Fabric, Add	4,933.05	
			For 1-3/4" Mesh Fabric, Add	3,065.54	
			For 2-1/8" Mesh Fabric, Deduct	-1,532.77	
			For Gate With Single Barb Wire Arm, Add	1,937.98	
			For Gate With Double Barb Wire Arm, Add	2,818.88	
			For Aluminized Steel Gate And Post, Add	8,456.65	
			For Powder Coated Gate And Post, Add	3,699.79	
			For Vinyl Coated, Add	5,285.41	
32 31 13	13-0632	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	12,404.31	1,230.39
			For 1" Mesh Fabric, Add	4,325.44	
			For 1-1/4" Mesh Fabric, Add	2,784.19	
			For 1-3/4" Mesh Fabric, Add	1,730.18	
			For 2-1/8" Mesh Fabric, Deduct	-865.09	
			For Gate With Single Barb Wire Arm, Add	1,093.79	
			For Gate With Double Barb Wire Arm, Add	1,590.97	
			For Aluminized Steel Gate And Post, Add	4,772.90	
			For Powder Coated Gate And Post, Add	2,088.15	
			For Vinyl Coated, Add	2,983.07	
32 31 13	13-0633	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	14,518.59	1,661.02
			For 1" Mesh Fabric, Add	4,870.50	
			For 1-1/4" Mesh Fabric, Add	3,135.03	
			For 1-3/4" Mesh Fabric, Add	1,948.20	
			For 2-1/8" Mesh Fabric, Deduct	-974.10	
			For Gate With Single Barb Wire Arm, Add	1,231.62	
			For Gate With Double Barb Wire Arm, Add	1,791.45	
			For Aluminized Steel Gate And Post, Add	5,374.34	
			For Powder Coated Gate And Post, Add	2,351.28	
			For Vinyl Coated, Add	3,358.97	
32 31 13	13-0634	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	19,400.93	2,091.65
			For 1" Mesh Fabric, Add	6,619.67	
			For 1-1/4" Mesh Fabric, Add	4,260.94	
			For 1-3/4" Mesh Fabric, Add	2,647.87	
			For 2-1/8" Mesh Fabric, Deduct	-1,323.93	
			For Gate With Single Barb Wire Arm, Add	1,673.94	
			For Gate With Double Barb Wire Arm, Add	2,434.82	
			For Aluminized Steel Gate And Post, Add	7,304.46	
			For Powder Coated Gate And Post, Add	3,195.70	
			For Vinyl Coated, Add	4,565.29	
32 31 13	13-0635	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	21,714.16	2,460.76
			For 1" Mesh Fabric, Add	7,304.79	
			For 1-1/4" Mesh Fabric, Add	4,701.94	
			For 1-3/4" Mesh Fabric, Add	2,921.92	
			For 2-1/8" Mesh Fabric, Deduct	-1,460.96	
			For Gate With Single Barb Wire Arm, Add	1,847.19	
			For Gate With Double Barb Wire Arm, Add	2,686.82	
			For Aluminized Steel Gate And Post, Add	8,060.46	
			For Powder Coated Gate And Post, Add	3,526.45	
			For Vinyl Coated, Add	5,037.79	
32 31 13	13-0636	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate.....	25,564.85	2,706.84
			For 1" Mesh Fabric, Add	8,765.75	
			For 1-1/4" Mesh Fabric, Add	5,642.32	
			For 1-3/4" Mesh Fabric, Add	3,506.30	
			For 2-1/8" Mesh Fabric, Deduct	-1,753.15	
			For Gate With Single Barb Wire Arm, Add	2,216.63	
			For Gate With Double Barb Wire Arm, Add	3,224.19	
			For Aluminized Steel Gate And Post, Add	9,672.56	
			For Powder Coated Gate And Post, Add	4,231.74	
			For Vinyl Coated, Add	6,045.35	
32 31 13	13-0637	EA	10' High x 15' Wide Galvanized Cantilever Sliding Gate.....	14,139.40	1,476.46
			For 1" Mesh Fabric, Add	4,866.12	
			For 1-1/4" Mesh Fabric, Add	3,132.22	
			For 1-3/4" Mesh Fabric, Add	1,946.45	
			For 2-1/8" Mesh Fabric, Deduct	-973.22	
			For Gate With Single Barb Wire Arm, Add	1,230.51	
			For Gate With Double Barb Wire Arm, Add	1,789.84	
			For Aluminized Steel Gate And Post, Add	5,369.52	
			For Powder Coated Gate And Post, Add	2,349.16	
			For Vinyl Coated, Add	3,355.95	
32 31 13	13-0638	EA	10' High x 20' Wide Galvanized Cantilever Sliding Gate.....	16,270.35	1,907.09
			For 1" Mesh Fabric, Add	5,418.43	
			For 1-1/4" Mesh Fabric, Add	3,487.72	
			For 1-3/4" Mesh Fabric, Add	2,167.37	
			For 2-1/8" Mesh Fabric, Deduct	-1,083.69	
			For Gate With Single Barb Wire Arm, Add	1,370.18	
			For Gate With Double Barb Wire Arm, Add	1,992.99	
			For Aluminized Steel Gate And Post, Add	5,978.96	
			For Powder Coated Gate And Post, Add	2,615.79	
			For Vinyl Coated, Add	3,736.85	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0639	EA	10' High x 25' Wide Galvanized Cantilever Sliding Gate.....	21,549.22	2,214.69
		For 1" Mesh Fabric, Add	7,447.13	
		For 1-1/4" Mesh Fabric, Add	4,793.56	
		For 1-3/4" Mesh Fabric, Add	2,978.85	
		For 2-1/8" Mesh Fabric, Deduct	-1,489.43	
		For Gate With Single Barb Wire Arm, Add	1,883.18	
		For Gate With Double Barb Wire Arm, Add	2,739.17	
		For Aluminized Steel Gate And Post, Add	8,217.52	
		For Powder Coated Gate And Post, Add	3,595.17	
		For Vinyl Coated, Add	5,135.95	
32 31 13 13-0640	EA	10' High x 30' Wide Galvanized Cantilever Sliding Gate.....	24,059.32	2,583.80
		For 1" Mesh Fabric, Add	8,217.89	
		For 1-1/4" Mesh Fabric, Add	5,289.68	
		For 1-3/4" Mesh Fabric, Add	3,287.16	
		For 2-1/8" Mesh Fabric, Deduct	-1,643.58	
		For Gate With Single Barb Wire Arm, Add	2,078.09	
		For Gate With Double Barb Wire Arm, Add	3,022.67	
		For Aluminized Steel Gate And Post, Add	9,068.02	
		For Powder Coated Gate And Post, Add	3,967.26	
		For Vinyl Coated, Add	5,667.51	
32 31 13 13-0641	EA	10' High x 36' Wide Galvanized Cantilever Sliding Gate.....	28,329.82	2,829.88
		For 1" Mesh Fabric, Add	9,861.48	
		For 1-1/4" Mesh Fabric, Add	6,347.62	
		For 1-3/4" Mesh Fabric, Add	3,944.59	
		For 2-1/8" Mesh Fabric, Deduct	-1,972.30	
		For Gate With Single Barb Wire Arm, Add	2,493.71	
		For Gate With Double Barb Wire Arm, Add	3,627.21	
		For Aluminized Steel Gate And Post, Add	10,881.63	
		For Powder Coated Gate And Post, Add	4,760.71	
		For Vinyl Coated, Add	6,801.02	
32 31 13 13-0642	EA	12' High x 15' Wide Galvanized Cantilever Sliding Gate.....	16,745.83	1,661.02
		For 1" Mesh Fabric, Add	5,839.35	
		For 1-1/4" Mesh Fabric, Add	3,758.66	
		For 1-3/4" Mesh Fabric, Add	2,335.74	
		For 2-1/8" Mesh Fabric, Deduct	-1,167.87	
		For Gate With Single Barb Wire Arm, Add	1,476.62	
		For Gate With Double Barb Wire Arm, Add	2,147.81	
		For Aluminized Steel Gate And Post, Add	6,443.42	
		For Powder Coated Gate And Post, Add	2,819.00	
		For Vinyl Coated, Add	4,027.14	
32 31 13 13-0643	EA	12' High x 20' Wide Galvanized Cantilever Sliding Gate.....	19,298.64	2,091.65
		For 1" Mesh Fabric, Add	6,575.17	
		For 1-1/4" Mesh Fabric, Add	4,232.30	
		For 1-3/4" Mesh Fabric, Add	2,630.07	
		For 2-1/8" Mesh Fabric, Deduct	-1,315.03	
		For Gate With Single Barb Wire Arm, Add	1,662.69	
		For Gate With Double Barb Wire Arm, Add	2,418.45	
		For Aluminized Steel Gate And Post, Add	7,255.36	
		For Powder Coated Gate And Post, Add	3,174.22	
		For Vinyl Coated, Add	4,534.60	
32 31 13 13-0644	EA	12' High x 25' Wide Galvanized Cantilever Sliding Gate.....	25,342.29	2,399.25
		For 1" Mesh Fabric, Add	8,936.55	
		For 1-1/4" Mesh Fabric, Add	5,752.26	
		For 1-3/4" Mesh Fabric, Add	3,574.62	
		For 2-1/8" Mesh Fabric, Deduct	-1,787.31	
		For Gate With Single Barb Wire Arm, Add	2,259.82	
		For Gate With Double Barb Wire Arm, Add	3,287.01	
		For Aluminized Steel Gate And Post, Add	9,861.02	
		For Powder Coated Gate And Post, Add	4,314.20	
		For Vinyl Coated, Add	6,163.14	
32 31 13 13-0645	EA	12' High x 30' Wide Galvanized Cantilever Sliding Gate.....	28,083.75	2,706.84
		For 1" Mesh Fabric, Add	9,861.48	
		For 1-1/4" Mesh Fabric, Add	6,347.62	
		For 1-3/4" Mesh Fabric, Add	3,944.59	
		For 2-1/8" Mesh Fabric, Deduct	-1,972.30	
		For Gate With Single Barb Wire Arm, Add	2,493.71	
		For Gate With Double Barb Wire Arm, Add	3,627.21	
		For Aluminized Steel Gate And Post, Add	10,881.63	
		For Powder Coated Gate And Post, Add	4,760.71	
		For Vinyl Coated, Add	6,801.02	
32 31 13 13-0646	EA	12' High x 36' Wide Galvanized Cantilever Sliding Gate.....	31,934.42	2,952.91
		For 1" Mesh Fabric, Add	11,322.43	
		For 1-1/4" Mesh Fabric, Add	7,288.00	
		For 1-3/4" Mesh Fabric, Add	4,528.97	
		For 2-1/8" Mesh Fabric, Deduct	-2,264.49	
		For Gate With Single Barb Wire Arm, Add	2,863.14	
		For Gate With Double Barb Wire Arm, Add	4,164.57	
		For Aluminized Steel Gate And Post, Add	12,493.72	
		For Powder Coated Gate And Post, Add	5,466.00	
		For Vinyl Coated, Add	7,808.57	
32 31 13 13-0647		Gate Accessories (32 31 13 13-0268)		
32 31 13 13-0648	EA	3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 100 Lb. max weight capacity	68.37	17.18
32 31 13 13-0649	EA	4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 225 Lb. max weight capacity	78.62	17.18



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0650	EA	6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 550 Lb. max weight capacity	144.46	17.18
32 31 13 13-0651	EA	Gate Center Stop, Cast Steel, Ground	40.41	
32 31 13 13-0652	EA	Gate Latch, Malleable Galvanized Steel	48.16	
32 31 13 13-0653	EA	Gate Keeper, Full Length, Galvanized Steel	216.92	
32 31 13 13-0654	EA	Gate Keeper Hold-Open For Cantilever Gate	112.00	19.83
32 31 13 13-0655	EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel	63.32	
32 31 13 13-0656	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	1,138.68	
32 31 13 13-0657	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 6' To 8' High Gate	1,220.32	
32 31 13 13-0658	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 10' To 12' High Gate	1,301.96	
32 31 13 13-0659	LF	Aluminum V-Groove Gate Track	65.25	11.34
32 31 13 13-0660	LF	Galvanized Steel V-Groove Gate Track	46.90	11.34
32 31 13 13-0661		Vertical-Pivot Lift Gate (32 31 13 13-0268) Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13 13-0662	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	33,307.74	922.79
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
32 31 13 13-0663	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	33,676.86	1,107.34
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
32 31 13 13-0664	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	34,045.97	1,291.90
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	287.50	
32 31 13 13-0665	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	34,809.59	1,476.46
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	317.50	
32 31 13 13-0666	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	35,553.51	1,661.02
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	317.50	
32 31 13 13-0667	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	34,630.72	1,199.62
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
32 31 13 13-0668	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	34,999.83	1,384.18
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
32 31 13 13-0669	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	35,368.95	1,568.73
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	287.50	
32 31 13 13-0670	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	35,955.04	1,753.29
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	317.50	
32 31 13 13-0671	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	36,876.46	1,937.86
		For Curb Notch, Add	239.00	
		For Prewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	317.50	
32 31 13 13-0672		Reinforced Gate (32 31 13 13-0268) Note: With cross bracing, tension rods, gate keeper (full height, stainless steel rod, internal locking device, gate stop), off-set hinges, and 6 gauge fabric. Excludes gate posts.		
32 31 13 13-0673	LF	Reinforced Single Gate, 4' High, Galvanized	653.87	12.53
		For Vinyl Coated, Add	377.30	
		For Powder Coated, Add	503.06	
		For Aluminum Coated, Add	786.04	
32 31 13 13-0674	LF	Reinforced Single Gate, 5' High, Galvanized	701.57	13.57
		For Vinyl Coated, Add	404.66	
		For Powder Coated, Add	539.54	
		For Aluminum Coated, Add	843.04	
32 31 13 13-0675	LF	Reinforced Single Gate, 6' High, Galvanized	748.70	15.14
		For Vinyl Coated, Add	431.06	
		For Powder Coated, Add	574.74	
		For Aluminum Coated, Add	898.04	
32 31 13 13-0676	LF	Reinforced Single Gate, 7' High, Galvanized	793.24	16.18
		For Vinyl Coated, Add	456.53	
		For Powder Coated, Add	608.71	
		For Aluminum Coated, Add	951.11	
32 31 13 13-0677	LF	Reinforced Single Gate, 8' High, Galvanized	839.12	18.26
		For Vinyl Coated, Add	481.55	
		For Powder Coated, Add	642.07	
		For Aluminum Coated, Add	1,003.24	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0678	LF	Reinforced Double Gate, 4' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	446.23 252.71 336.95 526.49	12.53
32 31 13 13-0679	LF	Reinforced Double Gate, 5' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	501.03 284.33 379.11 592.36	13.57
32 31 13 13-0680	LF	Reinforced Double Gate, 6' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	554.95 314.81 419.74 655.85	15.14
32 31 13 13-0681	LF	Reinforced Double Gate, 7' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	712.96 408.37 544.49 850.76	16.18
32 31 13 13-0682	LF	Reinforced Double Gate, 8' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	869.30 499.66 666.22 1,040.96	18.26
32 31 13 13-0683		Accessories (32 31 13 13)		
32 31 13 13-0684		Barbed And Concertina Wire (32 31 13 13-0683)		
32 31 13 13-0685		Single Strand Barbed Wire (32 31 13 13-0684)		
32 31 13 13-0686	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand..... <i>Note: Includes clips. 4 points 12-1/2 Gauge, Class I.</i> <i>For >500 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i>	1.18 -0.05 -0.08	0.53
32 31 13 13-0687	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand..... <i>For >500 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i>	1.23 -0.05 -0.08	0.53
32 31 13 13-0688	LF	Vinyl Coated Barbed Wire (Fused), Per Strand <i>Note: Includes clips.</i> <i>For >500 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i>	1.34 -0.05 -0.08	0.53
32 31 13 13-0689	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post.....	17.03	8.35
32 31 13 13-0690	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post.....	29.37	10.02
32 31 13 13-0691	EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post.....	13.94	8.35
32 31 13 13-0692		Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0684)		
32 31 13 13-0693	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	5.82 -0.49 -0.98 -1.37 -0.52 4.78	0.73
32 31 13 13-0694	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	8.80 -0.74 -1.48 -2.07 -0.78 7.24	0.73
32 31 13 13-0695	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	11.66 -0.98 -1.96 -2.75 -1.05 9.57	0.73
32 31 13 13-0696	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	10.29 -0.83 -1.66 -2.29 -0.58 9.13	0.73
32 31 13 13-0697	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	15.55 -1.25 -2.51 -3.46 -0.87 13.82	0.73



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0698	LF		24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	20.55	0.73
			For >500 To 1,500, Deduct	-1.66	
			For >1,500 To 5,000, Deduct	-3.31	
			For >5,000, Deduct	-4.57	
			For Ground Installation, Deduct	-1.15	
			For Double Coil (Helix), Add	18.25	
32 31 13 13-0699	LF		30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	33.88	0.73
			For >500 To 1,500, Deduct	-2.61	
			For >1,500 To 5,000, Deduct	-5.21	
			For >5,000, Deduct	-7.04	
			For Ground Installation, Deduct	-0.65	
			For Double Coil (Helix), Add	32.58	
32 31 13 13-0700	LF		30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	51.29	0.73
			For >500 To 1,500, Deduct	-3.94	
			For >1,500 To 5,000, Deduct	-7.89	
			For >5,000, Deduct	-10.65	
			For Ground Installation, Deduct	-0.98	
			For Double Coil (Helix), Add	49.34	
32 31 13 13-0701	LF		30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	67.77	0.73
			For >500 To 1,500, Deduct	-5.21	
			For >1,500 To 5,000, Deduct	-10.43	
			For >5,000, Deduct	-14.08	
			For Ground Installation, Deduct	-1.31	
			For Double Coil (Helix), Add	65.16	
32 31 13 13-0702			Stainless Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0684)		
32 31 13 13-0703	LF		18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.19	0.73
			For >500 To 1,500, Deduct	-0.89	
			For >1,500 To 5,000, Deduct	-1.78	
			For >5,000, Deduct	-2.45	
			For Ground Installation, Deduct	-0.52	
			For Double Coil (Helix), Add	10.15	
32 31 13 13-0704	LF		18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	16.93	0.73
			For >500 To 1,500, Deduct	-1.35	
			For >1,500 To 5,000, Deduct	-2.70	
			For >5,000, Deduct	-3.70	
			For Ground Installation, Deduct	-0.78	
			For Double Coil (Helix), Add	15.37	
32 31 13 13-0705	LF		18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	22.40	0.73
			For >500 To 1,500, Deduct	-1.78	
			For >1,500 To 5,000, Deduct	-3.57	
			For >5,000, Deduct	-4.90	
			For Ground Installation, Deduct	-1.05	
			For Double Coil (Helix), Add	20.31	
32 31 13 13-0706	LF		24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.85	0.73
			For >500 To 1,500, Deduct	-1.17	
			For >1,500 To 5,000, Deduct	-2.34	
			For >5,000, Deduct	-3.20	
			For Ground Installation, Deduct	-0.58	
			For Double Coil (Helix), Add	13.69	
32 31 13 13-0707	LF		24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	22.45	0.73
			For >500 To 1,500, Deduct	-1.77	
			For >1,500 To 5,000, Deduct	-3.54	
			For >5,000, Deduct	-4.84	
			For Ground Installation, Deduct	-0.87	
			For Double Coil (Helix), Add	20.72	
32 31 13 13-0708	LF		24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	29.66	0.73
			For >500 To 1,500, Deduct	-2.34	
			For >1,500 To 5,000, Deduct	-4.68	
			For >5,000, Deduct	-6.39	
			For Ground Installation, Deduct	-1.15	
			For Double Coil (Helix), Add	27.36	
32 31 13 13-0709	LF		30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	51.12	0.73
			For >500 To 1,500, Deduct	-3.90	
			For >1,500 To 5,000, Deduct	-7.80	
			For >5,000, Deduct	-10.49	
			For Ground Installation, Deduct	-0.65	
			For Double Coil (Helix), Add	49.82	
32 31 13 13-0710	LF		30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	77.41	0.73
			For >500 To 1,500, Deduct	-5.90	
			For >1,500 To 5,000, Deduct	-11.81	
			For >5,000, Deduct	-15.87	
			For Ground Installation, Deduct	-0.98	
			For Double Coil (Helix), Add	75.46	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0711 LF 30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	102.24	0.73
For >500 To 1,500, Deduct	-7.80	
For >1,500 To 5,000, Deduct	-15.60	
For >5,000, Deduct	-20.97	
For Ground Installation, Deduct	-1.31	
For Double Coil (Helix), Add	99.63	
32 31 13 13-0712 Grounding For Gates (32 31 13 13-0683) Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0713 OPNG Grounding For Gates.....	476.34	
Note: Per opening		
32 31 13 13-0714 Coiled Spring Reinforcing Wire (32 31 13 13-0683)		
32 31 13 13-0715 Galvanized Steel (32 31 13 13-0714)		
32 31 13 13-0716 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.25	0.53
32 31 13 13-0717 Vinyl Coated Steel (32 31 13 13-0714)		
32 31 13 13-0718 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	1.25	0.53
32 31 13 13-0719 Bending Of Fabric Around Pipe Railings (32 31 13 13-0683) Note: Only where specified.		
32 31 13 13-0720 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.67	
32 31 13 13-0721 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.45	
32 31 13 13-0722 Mounting Plate With Anchors Or Bolts (32 31 13 13-0683) Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0723 EA Mounting Plate For 1-5/8" Diameter Post	48.10	
32 31 13 13-0724 EA Mounting Plate For 2" Diameter Post.....	48.90	
32 31 13 13-0725 EA Mounting Plate For 2-1/2" Diameter Post	50.27	
32 31 13 13-0726 EA Mounting Plate For 3" Diameter Post.....	60.66	
32 31 13 13-0727 EA Mounting Plate For 4" Diameter Post.....	69.82	
32 31 13 13-0728 EA Mounting Plate For 6-5/8" Diameter Post	80.96	
32 31 13 13-0729 EA Mounting Plate For 8-5/8" Diameter Post	95.54	
32 31 13 13-0730 Tension Bar (32 31 13 13-0683)		
32 31 13 13-0731 EA 3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	17.54	
32 31 13 13-0732 EA 3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	18.68	
32 31 13 13-0733 EA 4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	23.15	
32 31 13 13-0734 EA 5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	26.87	
32 31 13 13-0735 EA 6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	31.83	
32 31 13 13-0736 EA 7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	37.00	
32 31 13 13-0737 EA 8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	41.86	
32 31 13 13-0738 EA 9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	50.34	
32 31 13 13-0739 EA 10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	60.27	
32 31 13 13-0740 Truss Rods (32 31 13 13-0683)		
32 31 13 13-0741 LF 3/8" Diameter Truss Rods.....	2.30	0.59
32 31 13 13-0742 Fence And Gate Repair And Replacement (32 31 13 13)		
32 31 13 13-0743 Fence And Gate Parts Replacement (32 31 13 13-0742)		
32 31 13 13-0744 EA Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	135.39	
32 31 13 13-0745 EA Sliding Gate Roller Assembly Replacement	131.99	
32 31 13 13-0746 EA Rod And Lock Gate Keeper Replacement.....	135.20	
32 31 13 13-0747 EA Galvanized Gate Holdback Replacement	29.64	
32 31 13 13-0748 LF 3/8" Cross Bracing Rod Replacement	1.74	
32 31 13 13-0749 LF 1-5/8" Diagonal Pipe Bracing Replacement.....	2.72	
32 31 13 13-0750 EA 2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	28.29	
32 31 13 13-0751 EA 2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	32.33	
32 31 13 13-0752 EA 3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	36.49	
32 31 13 13-0753 EA 6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	54.17	
32 31 13 13-0754 EA 8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	101.28	
32 31 13 13-0755 EA 2-1/2" x 2" Off Set Gate Hinge Replacement.....	27.99	
32 31 13 13-0756 EA 3" x 2" Off Set Gate Hinge Replacement	29.22	
32 31 13 13-0757 EA 4" x 2" Off Set Gate Hinge Replacement	31.15	
32 31 13 13-0758 EA 6-5/8" x 2" Off Set Gate Hinge Replacement.....	51.26	
32 31 13 13-0759 EA 8-5/8" x 2" Off Set Gate Hinge Replacement.....	81.07	
32 31 13 13-0760 EA 1-5/8" Aluminum Die-Cast Post Cap Replacement.....	6.13	
32 31 13 13-0761 EA 2" Aluminum Die-Cast Post Cap Replacement	6.73	
32 31 13 13-0762 EA 2-1/2" Aluminum Die-Cast Post Cap Replacement.....	7.88	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0763 EA 3" Aluminum Die-Cast Post Cap Replacement.....	9.20	
32 31 13 13-0764 EA 2" Galvanized Post Cap Replacement.....	6.85	
32 31 13 13-0765 EA 2-1/2" Galvanized Post Cap Replacement.....	7.41	
32 31 13 13-0766 EA 3" Galvanized Post Cap Replacement.....	8.50	
32 31 13 13-0767 EA 4" Galvanized Post Cap Replacement.....	12.72	
32 31 13 13-0768 EA 6-5/8" Galvanized Post Cap Replacement.....	24.20	
32 31 13 13-0769 EA 8-5/8" Galvanized Post Cap Replacement.....	39.85	
32 31 13 13-0770 EA 1-5/8" Boulevard Clamp Replacement.....	11.38	
32 31 13 13-0771 EA 2" Boulevard Clamp Replacement.....	13.88	
32 31 13 13-0772 EA 2-1/2" Boulevard Clamp Replacement.....	16.29	
32 31 13 13-0773 EA 3" Boulevard Clamp Replacement.....	19.76	
32 31 13 13-0774 EA 1-5/8" Gate Brace Or End Rail Clamp Replacement.....	11.15	
32 31 13 13-0775 EA 2" Gate Brace Or End Rail Clamp Replacement.....	13.56	
32 31 13 13-0776 EA 2-1/2" Gate Brace Or End Rail Clamp Replacement.....	15.97	
32 31 13 13-0777 EA 3" Gate Brace Or End Rail Clamp Replacement.....	19.42	
32 31 13 13-0778 EA 1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.44	
32 31 13 13-0779 EA 1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.54	
32 31 13 13-0780 EA 2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.82	
32 31 13 13-0781 EA 2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.69	
32 31 13 13-0782 EA 3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.90	
32 31 13 13-0783 EA 3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	12.07	
32 31 13 13-0784 EA 4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	12.56	
32 31 13 13-0785 EA 6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	16.16	
32 31 13 13-0786 Removal And Reinstallation Of Chain Link Fences (32 31 13 13) Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.		
32 31 13 13-0787 LF Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	20.88	
32 31 13 13-0788 LF Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	31.31	
32 31 13 13-0789 Ballfield Fencing (32 31 13 13) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 13-0790 Concrete Bases For Ballfield Poles, Cast In Place (32 31 13 13-0789) Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13 13-0791 VLF 2-1/2" Diameter Concrete Base For Ballfield Poles.....	140.06	
32 31 13 13-0792 VLF 3" Diameter Concrete Base For Ballfield Poles.....	166.42	
32 31 13 13-0793 VLF 3-1/2" Diameter Concrete Base For Ballfield Poles.....	210.55	
32 31 13 13-0794 VLF 4" Diameter Concrete Base For Ballfield Poles.....	249.99	
32 31 13 13-0795 Ballfield Poles (32 31 13 13-0789)		
32 31 13 13-0796 EA 20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 10' above grade	8,403.12	735.60
32 31 13 13-0797 EA 25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 15' above grade	10,424.29	919.50
32 31 13 13-0798 EA 30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 20' above grade	11,983.80	1,103.40
32 31 13 13-0799 EA 40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 30' above grade	16,097.29	1,287.30
32 31 13 13-0800 EA 50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 40' above grade	21,554.86	1,471.21
32 31 13 13-0801 EA 60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 50' above grade	24,087.75	1,655.10
32 31 13 13-0802 Ballfield Nylon Netting (32 31 13 13-0789) Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0803 LF 10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.89	
32 31 13 13-0804 LF 10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.93	
32 31 13 13-0805 LF 10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.16	
32 31 13 13-0806 LF 10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.43	
32 31 13 13-0807 LF 10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.69	
32 31 13 13-0808 LF 10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	3.59	
32 31 13 13-0809 LF 10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	4.06	
32 31 13 13-0810 LF 10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	5.27	
32 31 13 13-0811 Ballfield Chainlink Netting (32 31 13 13-0789) Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0812 SF #9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting.....	4.01	1.34
For 13 Gauge Fabric, Deduct	-0.60	
For 11 Gauge Fabric, Deduct	-0.34	
For 6 Gauge Fabric, Add	1.07	
For 1" Mesh Fabric, Add	1.01	
For 1-3/4" Mesh Fabric, Add	0.40	
For 2-1/8" Mesh Fabric, Deduct	-0.20	
For 2-3/8" Mesh Fabric, Deduct	-0.27	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0813	Ballfield Netting Accessories (32 31 13 13-0789)			
32 31 13 13-0814	EA	Sliding Clip For Ballfield Netting.....	9.27	
32 31 13 13-0815	EA	1/4" Utility Spring Swing Clip For Ballfield Netting.....	4.17	
32 31 13 13-0816	EA	5/16" Utility Spring Swing Clip For Ballfield Netting.....	4.37	
32 31 13 13-0817	EA	3/8" Utility Spring Swing Clip For Ballfield Netting.....	4.68	
32 31 13 33	Chain Link Backstops (32 31 13)			
32 31 13 33-0001	Regulation Baseball Backstop (32 31 13 33)			
	See CSI section 32 31 13 13-0001 for auguring holes and concrete.			
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	13,641.85	2,107.52
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	19,719.35	2,810.02
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	25,185.28	3,278.35
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	19,300.15	2,107.52
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	28,185.96	2,810.02
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	36,358.30	3,278.35
32 31 13 33-0008	SF	2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop.....	14.99	
32 31 13 33-0009	SF	3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop.....	17.90	
32 31 13 33-0010	Regulation Softball Backstop (32 31 13 33)			
	See CSI section 32 31 13 13-0001 for auguring holes and concrete.			
32 31 13 33-0011	14' High Softball Backstop (32 31 13 33-0010)			
	Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0012	EA	14' Softball Backstop, Galvanized Regulation.....	11,518.81	2,139.76
32 31 13 33-0013	EA	14' Softball Backstop, Vinyl Coated Regulation.....	15,577.04	2,139.76
32 31 13 33-0014	18' High Softball Backstop (32 31 13 33-0010)			
	Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0015	EA	18' Softball Backstop, Galvanized Regulation.....	13,468.19	2,378.82
32 31 13 33-0016	EA	18' Softball Backstop Vinyl Coated Regulation.....	18,377.34	2,378.82
32 31 13 33-0017	20' High Softball Backstop (32 31 13 33-0010)			
	Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0018	EA	20' Softball Backstop, Galvanized Regulation.....	15,282.84	2,508.13
32 31 13 33-0019	EA	20' Softball Backstop, Vinyl Coated Regulation.....	21,108.42	2,508.13
32 31 13 33-0020	22' High Softball Backstop (32 31 13 33-0010)			
	Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0021	EA	22' Softball Backstop, Galvanized Regulation.....	17,638.35	2,583.80
32 31 13 33-0022	EA	22' Softball Backstop, Vinyl Coated Regulation.....	24,642.06	2,583.80
32 31 13 33-0023	24' High Softball Backstop (32 31 13 33-0010)			
	Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0024	EA	24' Softball Backstop, Galvanized Regulation.....	21,036.48	2,952.91
32 31 13 33-0025	EA	24' Softball Backstop, Vinyl Coated Regulation.....	29,742.03	2,952.91
32 31 16	Welded Wire Fences and Gates (32 31)			
32 31 16 00-0001	Welded Wire Fence (32 31 16)			
32 31 16 00-0002	12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001)			
	Note: Posts 5' on center.			
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	10.43	1.88
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	11.27	1.88
32 31 16 00-0005	14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001)			
	Note: Posts 5' on center.			
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	10.26	1.88
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	11.00	1.88
32 31 19	Decorative Metal Fences and Gates (32 31)			
	See CSI section 32 31 13 13-0001 for drilling and grouting.			
32 31 19 00-0001	Wrought Iron Fence (32 31 19)			
	Note: Factory primed.			



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
32 31 19 00-0002	Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center (32 31 19 00-0001)				
	Note: Factory primed 8 foot long panel sections.				
32 31 19 00-0003	LF	3' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	45.68		11.49
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	8.46		
		For Verticals Up To 2" On Center, Add	7.27		
		For Verticals >2" To 2-1/2" On Center, Add	4.54		
		For Verticals >2-1/2" To 3" On Center, Add	1.82		
		For Verticals >4" To 6" On Center, Deduct	-2.04		
		For Pickets Extending Above Top Rail, Add	3.99		
		For Curved Pickets Extending Above Top Rail, Add	9.11		
32 31 19 00-0004	LF	4' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	58.31		14.61
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	10.72		
		For Verticals Up To 2" On Center, Add	9.64		
		For Verticals >2" To 2-1/2" On Center, Add	6.02		
		For Verticals >2-1/2" To 3" On Center, Add	2.41		
		For Verticals >4" To 6" On Center, Deduct	-2.71		
		For Pickets Extending Above Top Rail, Add	5.17		
		For Curved Pickets Extending Above Top Rail, Add	11.90		
32 31 19 00-0005	LF	5' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	68.66		15.24
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	12.45		
		For Verticals Up To 2" On Center, Add	12.15		
		For Verticals >2" To 2-1/2" On Center, Add	7.60		
		For Verticals >2-1/2" To 3" On Center, Add	3.04		
		For Verticals >4" To 6" On Center, Deduct	-3.42		
		For Pickets Extending Above Top Rail, Add	6.28		
		For Curved Pickets Extending Above Top Rail, Add	14.64		
32 31 19 00-0006	LF	6' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	83.06		18.37
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	15.04		
		For Verticals Up To 2" On Center, Add	14.80		
		For Verticals >2" To 2-1/2" On Center, Add	9.25		
		For Verticals >2-1/2" To 3" On Center, Add	3.70		
		For Verticals >4" To 6" On Center, Deduct	-4.16		
		For Pickets Extending Above Top Rail, Add	7.62		
		For Curved Pickets Extending Above Top Rail, Add	17.79		
32 31 19 00-0007	LF	7' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	96.35		19.44
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	17.17		
		For Verticals Up To 2" On Center, Add	18.39		
		For Verticals >2" To 2-1/2" On Center, Add	11.49		
		For Verticals >2-1/2" To 3" On Center, Add	4.60		
		For Verticals >4" To 6" On Center, Deduct	-5.17		
		For Pickets Extending Above Top Rail, Add	9.13		
		For Curved Pickets Extending Above Top Rail, Add	21.59		
32 31 19 00-0008	LF	8' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	109.60		20.46
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	19.30		
		For Verticals Up To 2" On Center, Add	21.98		
		For Verticals >2" To 2-1/2" On Center, Add	13.74		
		For Verticals >2-1/2" To 3" On Center, Add	5.50		
		For Verticals >4" To 6" On Center, Deduct	-6.18		
		For Pickets Extending Above Top Rail, Add	10.63		
		For Curved Pickets Extending Above Top Rail, Add	25.39		
32 31 19 00-0009	LF	10' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	132.45		22.96
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	23.08		
		For Verticals Up To 2" On Center, Add	27.69		
		For Verticals >2" To 2-1/2" On Center, Add	17.31		
		For Verticals >2-1/2" To 3" On Center, Add	6.92		
		For Verticals >4" To 6" On Center, Deduct	-7.79		
		For Pickets Extending Above Top Rail, Add	13.11		
		For Curved Pickets Extending Above Top Rail, Add	31.57		
32 31 19 00-0010	LF	12' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	156.08		26.10
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	27.06		
		For Verticals Up To 2" On Center, Add	33.25		
		For Verticals >2" To 2-1/2" On Center, Add	20.78		
		For Verticals >2-1/2" To 3" On Center, Add	8.31		
		For Verticals >4" To 6" On Center, Deduct	-9.35		
		For Pickets Extending Above Top Rail, Add	15.60		
		For Curved Pickets Extending Above Top Rail, Add	37.68		
32 31 19 00-0011	Wrought Iron Gates (32 31 19 00-0001)				
	Note: Factory primed.				
32 31 19 00-0012	Single Wrought Iron Gates (32 31 19 00-0011)				
	Note: Factory primed.				
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	56.01		13.98
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	73.47		17.32
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	89.39		20.88
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	108.49		25.04
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	142.99		27.77

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	171.80	30.68
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	200.07	34.86
32 31 19 00-0020		Double Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	68.23	12.53
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	89.36	15.65
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	108.27	18.79
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	130.98	22.55
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	173.46	25.04
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	208.75	27.55
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	243.59	31.31
32 31 19 00-0028		Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	19.67	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	28.90	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	83.49	
32 31 19 00-0032		Steel Tube Fence, Powder Coated (32 31 19) Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		Steel Tube Fence, With Two 1" Square, 16 Gauge Rails (32 31 19 00-0032) Note: 6 foot long panel sections.		
32 31 19 00-0034	LF	3' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	81.37	11.49
		For Verticals Up To 2" On Center, Add	11.77	
		For Verticals >2" To 2-1/2" On Center, Add	5.89	
		For Verticals >3" To 4" On Center, Deduct	-5.89	
		For Verticals >4" To 6" On Center, Deduct	-11.77	
		For Pickets Extending Above Top Rail, Add	6.13	
		For Curved Pickets Extending Above Top Rail, Add	10.81	
		For Solid Pickets, Add	16.62	
		For Aluminum With Satin Finish, Add	14.29	
		For Third Rail, Add	4.42	
		For 1" Square x 14 Gauge Pickets, Add	14.72	
		For 3" Square Posts, Add	7.36	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	87.01	12.27
		For Verticals Up To 2" On Center, Add	12.49	
		For Verticals >2" To 2-1/2" On Center, Add	6.25	
		For Verticals >3" To 4" On Center, Deduct	-6.25	
		For Verticals >4" To 6" On Center, Deduct	-12.49	
		For Pickets Extending Above Top Rail, Add	6.54	
		For Curved Pickets Extending Above Top Rail, Add	11.52	
		For Solid Pickets, Add	17.74	
		For Aluminum With Satin Finish, Add	15.06	
		For Third Rail, Add	4.68	
		For 1" Square x 14 Gauge Pickets, Add	15.62	
		For 3" Square Posts, Add	7.81	
32 31 19 00-0036	LF	4' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	91.98	13.57
		For Verticals Up To 2" On Center, Add	13.08	
		For Verticals >2" To 2-1/2" On Center, Add	6.54	
		For Verticals >3" To 4" On Center, Deduct	-6.54	
		For Verticals >4" To 6" On Center, Deduct	-13.08	
		For Pickets Extending Above Top Rail, Add	6.89	
		For Curved Pickets Extending Above Top Rail, Add	12.13	
		For Solid Pickets, Add	18.70	
		For Aluminum With Satin Finish, Add	15.63	
		For Third Rail, Add	4.90	
		For 1" Square x 14 Gauge Pickets, Add	16.35	
		For 3" Square Posts, Add	8.17	
32 31 19 00-0037	LF	5' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	97.71	15.24
		For Verticals Up To 2" On Center, Add	13.41	
		For Verticals >2" To 2-1/2" On Center, Add	6.70	
		For Verticals >3" To 4" On Center, Deduct	-6.70	
		For Verticals >4" To 6" On Center, Deduct	-13.41	
		For Pickets Extending Above Top Rail, Add	7.23	
		For Curved Pickets Extending Above Top Rail, Add	12.69	
		For Solid Pickets, Add	19.68	
		For Aluminum With Satin Finish, Add	15.51	
		For Third Rail, Add	5.03	
		For 1" Square x 14 Gauge Pickets, Add	16.76	
		For 3" Square Posts, Add	8.38	
32 31 19 00-0038	LF	6' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	113.45	17.22
		For Verticals Up To 2" On Center, Add	15.80	
		For Verticals >2" To 2-1/2" On Center, Add	7.90	
		For Verticals >3" To 4" On Center, Deduct	-7.90	
		For Verticals >4" To 6" On Center, Deduct	-15.80	
		For Pickets Extending Above Top Rail, Add	8.44	
		For Curved Pickets Extending Above Top Rail, Add	14.83	
		For Solid Pickets, Add	22.94	
		For Aluminum With Satin Finish, Add	18.53	
		For Third Rail, Add	5.93	
		For 1" Square x 14 Gauge Pickets, Add	19.75	
		For 3" Square Posts, Add	9.88	



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0039	LF	7' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	130.12	18.79	
		For Verticals Up To 2" On Center, Add	18.51		
		For Verticals >2" To 2-1/2" On Center, Add	9.26		
		For Verticals >3" To 4" On Center, Deduct	-9.26		
		For Verticals >4" To 6" On Center, Deduct	-18.51		
		For Pickets Extending Above Top Rail, Add	9.75		
		For Curved Pickets Extending Above Top Rail, Add	17.16		
		For Solid Pickets, Add	26.46		
		For Aluminum With Satin Finish, Add	22.13		
		For Third Rail, Add	6.94		
		For 1" Square x 14 Gauge Pickets, Add	23.14		
		For 4" Square Posts, Add	32.39		
32 31 19 00-0040	LF	8' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	147.02	20.46	
		For Verticals Up To 2" On Center, Add	21.22		
		For Verticals >2" To 2-1/2" On Center, Add	10.61		
		For Verticals >3" To 4" On Center, Deduct	-10.61		
		For Verticals >4" To 6" On Center, Deduct	-21.22		
		For Pickets Extending Above Top Rail, Add	11.06		
		For Curved Pickets Extending Above Top Rail, Add	19.52		
		For Solid Pickets, Add	30.01		
		For Aluminum With Satin Finish, Add	25.70		
		For Third Rail, Add	7.96		
		For 1" Square x 14 Gauge Pickets, Add	26.53		
		For 4" Square Posts, Add	37.14		
32 31 19 00-0041	LF	9' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	171.43	21.92	
		For Verticals Up To 2" On Center, Add	25.52		
		For Verticals >2" To 2-1/2" On Center, Add	12.76		
		For Verticals >3" To 4" On Center, Deduct	-12.76		
		For Verticals >4" To 6" On Center, Deduct	-25.52		
		For Pickets Extending Above Top Rail, Add	13.04		
		For Curved Pickets Extending Above Top Rail, Add	23.06		
		For Solid Pickets, Add	35.28		
		For Aluminum With Satin Finish, Add	31.70		
		For Third Rail, Add	9.57		
		For 1" Square x 14 Gauge Pickets, Add	31.90		
		For 4" Square Posts, Add	44.66		
32 31 19 00-0042	LF	10' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	196.03	23.49	
		For Verticals Up To 2" On Center, Add	29.81		
		For Verticals >2" To 2-1/2" On Center, Add	14.91		
		For Verticals >3" To 4" On Center, Deduct	-14.91		
		For Verticals >4" To 6" On Center, Deduct	-29.81		
		For Pickets Extending Above Top Rail, Add	15.02		
		For Curved Pickets Extending Above Top Rail, Add	26.63		
		For Solid Pickets, Add	40.58		
		For Aluminum With Satin Finish, Add	37.68		
		For Third Rail, Add	11.18		
		For 1" Square x 14 Gauge Pickets, Add	37.27		
		For 6" Square Posts, Add	52.17		
32 31 19 00-0043	LF	12' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	231.32	26.10	
		For Verticals Up To 2" On Center, Add	35.83		
		For Verticals >2" To 2-1/2" On Center, Add	17.91		
		For Verticals >3" To 4" On Center, Deduct	-17.91		
		For Verticals >4" To 6" On Center, Deduct	-35.83		
		For Pickets Extending Above Top Rail, Add	17.84		
		For Curved Pickets Extending Above Top Rail, Add	31.68		
		For Solid Pickets, Add	48.13		
		For Aluminum With Satin Finish, Add	45.92		
		For Third Rail, Add	13.44		
		For 1" Square x 14 Gauge Pickets, Add	44.79		
		For 6" Square Posts, Add	62.70		
32 31 19 00-0044	LF	14' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	247.73	28.18	
		For Verticals Up To 2" On Center, Add	38.27		
		For Verticals >2" To 2-1/2" On Center, Add	19.14		
		For Verticals >3" To 4" On Center, Deduct	-19.14		
		For Verticals >4" To 6" On Center, Deduct	-38.27		
		For Pickets Extending Above Top Rail, Add	19.08		
		For Curved Pickets Extending Above Top Rail, Add	33.89		
		For Solid Pickets, Add	51.51		
		For Aluminum With Satin Finish, Add	48.96		
		For Third Rail, Add	14.35		
		For 1" Square x 14 Gauge Pickets, Add	47.84		
		For 6" Square Posts, Add	66.98		
32 31 19 00-0045		Steel Tube Swing Gates (32 31 19 00-0032)			
32 31 19 00-0046		3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)			
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate	790.63	22.23	
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	172.88		
		For Aluminum With Satin Finish, Add	207.13		
		For Third Rail, Add	54.29		
		For 1" Square x 14 Gauge Pickets, Add	72.38		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate.....	880.06	23.27
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	192.77	
		For Aluminum With Satin Finish, Add	232.55	
		For Third Rail, Add	60.76	
		For 1" Square x 14 Gauge Pickets, Add	81.01	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	974.47	24.63
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	213.70	
		For Aluminum With Satin Finish, Add	259.00	
		For Third Rail, Add	67.53	
		For 1" Square x 14 Gauge Pickets, Add	90.04	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	1,024.81	26.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	224.63	
		For Aluminum With Satin Finish, Add	271.75	
		For Third Rail, Add	70.91	
		For 1" Square x 14 Gauge Pickets, Add	94.55	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	1,144.44	31.62
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	250.38	
		For Aluminum With Satin Finish, Add	300.59	
		For Third Rail, Add	78.71	
		For 1" Square x 14 Gauge Pickets, Add	104.95	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,216.97	36.84
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	265.52	
		For Aluminum With Satin Finish, Add	315.31	
		For Third Rail, Add	82.98	
		For 1" Square x 14 Gauge Pickets, Add	110.63	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,327.83	42.38
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	289.21	
		For Aluminum With Satin Finish, Add	341.05	
		For Third Rail, Add	90.04	
		For 1" Square x 14 Gauge Pickets, Add	120.05	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,423.90	47.59
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	309.65	
		For Aluminum With Satin Finish, Add	362.83	
		For Third Rail, Add	96.07	
		For 1" Square x 14 Gauge Pickets, Add	128.09	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,508.22	52.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	327.45	
		For Aluminum With Satin Finish, Add	381.08	
		For Third Rail, Add	101.22	
		For 1" Square x 14 Gauge Pickets, Add	134.96	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,653.63	44.46
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	362.05	
		For Aluminum With Satin Finish, Add	435.97	
		For Third Rail, Add	114.00	
		For 1" Square x 14 Gauge Pickets, Add	152.00	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,762.10	46.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	385.98	
		For Aluminum With Satin Finish, Add	465.69	
		For Third Rail, Add	121.67	
		For 1" Square x 14 Gauge Pickets, Add	162.22	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,948.95	49.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	427.40	
		For Aluminum With Satin Finish, Add	518.00	
		For Third Rail, Add	135.06	
		For 1" Square x 14 Gauge Pickets, Add	180.08	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	2,042.45	51.14
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	448.04	
		For Aluminum With Satin Finish, Add	543.69	
		For Third Rail, Add	141.68	
		For 1" Square x 14 Gauge Pickets, Add	188.90	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	2,118.28	52.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	464.72	
		For Aluminum With Satin Finish, Add	564.10	
		For Third Rail, Add	146.97	
		For 1" Square x 14 Gauge Pickets, Add	195.96	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	2,383.03	63.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	521.93	
		For Aluminum With Satin Finish, Add	629.43	
		For Third Rail, Add	164.48	
		For 1" Square x 14 Gauge Pickets, Add	219.31	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0062	EA		14' Wide x 3' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,610.49 570.77 683.58 179.19 238.92	73.69
32 31 19 00-0063	EA		16' Wide x 3' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,800.82 611.09 725.65 190.96 254.62	84.85
32 31 19 00-0064	EA		18' Wide x 3' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,959.63 644.47 759.20 200.52 267.37	95.18
32 31 19 00-0065	EA		20' Wide x 3' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,089.02 671.23 783.93 207.88 277.17	105.62
32 31 19 00-0066			4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0067	EA		3' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	913.94 200.35 242.48 63.26 84.35	20.88
32 31 19 00-0068	EA		3'-6" Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	989.13 217.07 263.86 68.71 91.61	24.32
32 31 19 00-0069	EA		4' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,066.93 234.19 284.85 74.15 98.87	26.10
32 31 19 00-0070	EA		5' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,130.98 248.21 301.72 78.56 104.75	27.77
32 31 19 00-0071	EA		6' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,218.31 266.60 320.40 83.86 111.81	33.40
32 31 19 00-0072	EA		7' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,337.02 292.06 348.50 91.51 122.01	38.93
32 31 19 00-0073	EA		8' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,500.83 327.67 390.13 102.54 136.72	44.46
32 31 19 00-0074	EA		9' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,660.72 362.39 430.59 113.28 151.04	50.10
32 31 19 00-0075	EA		10' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,812.77 395.35 468.69 123.43 164.58	55.62

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,827.88 400.71 484.96 126.52 168.70	46.96
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,978.25 434.15 527.72 137.41 183.21	48.63
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,133.84 468.37 569.70 148.30 197.73	52.18
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,256.76 495.64 604.23 157.12 209.50	53.85
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,360.06 518.49 632.87 164.48 219.31	55.62
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,677.89 587.50 713.19 185.81 247.75	66.69
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,956.49 647.68 781.74 204.20 272.27	77.86
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,197.81 699.47 839.11 219.80 293.06	88.93
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,405.80 743.76 886.47 232.89 310.52	100.09
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,582.39 780.99 924.43 243.63 324.84	111.26
32 31 19 00-0086		5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	995.01 218.40 265.63 69.15 92.20	24.32
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,049.27 230.21 279.56 72.82 97.10	26.10
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,101.56 241.59 292.90 76.36 101.81	27.77



Exterior Improvements		32
Site Improvements		32 30
Fences and Gates		32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0090	EA		5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,177.40 258.26 313.30 81.65 108.87	29.54
32 31 19 00-0091	EA		6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,279.49 279.90 335.94 87.98 117.30	35.49
32 31 19 00-0092	EA		7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,414.93 309.04 368.59 96.80 129.07	41.33
32 31 19 00-0093	EA		8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,604.38 350.26 416.97 109.60 146.14	47.59
32 31 19 00-0094	EA		9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,788.85 390.44 464.33 122.11 162.81	53.54
32 31 19 00-0095	EA		10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,969.41 429.73 510.51 134.32 179.09	59.39
32 31 19 00-0096	EA		6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,961.00 432.44 535.61 138.29 184.39	41.01
32 31 19 00-0097	EA		7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,076.64 457.00 561.51 145.50 194.00	47.80
32 31 19 00-0098	EA		8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,193.42 481.72 587.25 152.71 203.61	55.01
32 31 19 00-0099	EA		9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,354.18 516.43 626.69 163.30 217.74	61.89
32 31 19 00-0100	EA		10' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,495.32 546.72 660.25 172.43 229.90	68.68
32 31 19 00-0101	EA		12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,840.80 622.82 754.08 196.70 262.27	76.40
32 31 19 00-0102	EA		14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,151.29 690.87 836.38 218.18 290.91	84.75
32 31 19 00-0103	EA		16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,428.79 751.33 907.74 237.01 316.01	94.04

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0104	EA		18' Wide x 5' High Steel Tube Double Swing Gate	3,678.33	104.47
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	805.24	
			For Aluminum With Satin Finish, Add	969.18	
			For Third Rail, Add	253.49	
			For 1" Square x 14 Gauge Pickets, Add	337.98	
32 31 19 00-0105	EA		20' Wide x 5' High Steel Tube Double Swing Gate	3,899.94	116.17
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	852.60	
			For Aluminum With Satin Finish, Add	1,020.68	
			For Third Rail, Add	267.61	
			For 1" Square x 14 Gauge Pickets, Add	356.82	
32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)					
32 31 19 00-0107	EA		3' Wide x 6' High Steel Tube Single Swing Gate	1,035.67	26.71
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	227.00	
			For Aluminum With Satin Finish, Add	274.53	
			For Third Rail, Add	71.65	
			For 1" Square x 14 Gauge Pickets, Add	95.53	
32 31 19 00-0108	EA		3'-6" Wide x 6' High Steel Tube Single Swing Gate	1,088.87	28.18
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	238.66	
			For Aluminum With Satin Finish, Add	288.62	
			For Third Rail, Add	75.33	
			For 1" Square x 14 Gauge Pickets, Add	100.43	
32 31 19 00-0109	EA		4' Wide x 6' High Steel Tube Single Swing Gate	1,142.84	29.75
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	250.43	
			For Aluminum With Satin Finish, Add	302.60	
			For Third Rail, Add	79.00	
			For 1" Square x 14 Gauge Pickets, Add	105.34	
32 31 19 00-0110	EA		5' Wide x 6' High Steel Tube Single Swing Gate	1,209.18	31.62
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	264.94	
			For Aluminum With Satin Finish, Add	320.01	
			For Third Rail, Add	83.56	
			For 1" Square x 14 Gauge Pickets, Add	111.42	
32 31 19 00-0111	EA		6' Wide x 6' High Steel Tube Single Swing Gate	1,356.49	38.20
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	296.60	
			For Aluminum With Satin Finish, Add	355.29	
			For Third Rail, Add	93.13	
			For 1" Square x 14 Gauge Pickets, Add	124.17	
32 31 19 00-0112	EA		7' Wide x 6' High Steel Tube Single Swing Gate	1,513.63	44.88
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	330.47	
			For Aluminum With Satin Finish, Add	393.51	
			For Third Rail, Add	103.43	
			For 1" Square x 14 Gauge Pickets, Add	137.90	
32 31 19 00-0113	EA		8' Wide x 6' High Steel Tube Single Swing Gate	1,689.34	51.14
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	368.60	
			For Aluminum With Satin Finish, Add	437.77	
			For Third Rail, Add	115.19	
			For 1" Square x 14 Gauge Pickets, Add	153.59	
32 31 19 00-0114	EA		9' Wide x 6' High Steel Tube Single Swing Gate	1,858.27	57.72
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	405.12	
			For Aluminum With Satin Finish, Add	479.51	
			For Third Rail, Add	126.38	
			For 1" Square x 14 Gauge Pickets, Add	168.50	
32 31 19 00-0115	EA		10' Wide x 6' High Steel Tube Single Swing Gate	2,064.44	64.30
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	450.02	
			For Aluminum With Satin Finish, Add	532.45	
			For Third Rail, Add	140.35	
			For 1" Square x 14 Gauge Pickets, Add	187.14	
32 31 19 00-0116	EA		6' Wide x 6' High Steel Tube Double Swing Gate	2,036.89	44.25
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	448.83	
			For Aluminum With Satin Finish, Add	554.24	
			For Third Rail, Add	143.30	
			For 1" Square x 14 Gauge Pickets, Add	191.06	
32 31 19 00-0117	EA		7' Wide x 6' High Steel Tube Double Swing Gate	2,156.78	51.87
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	474.17	
			For Aluminum With Satin Finish, Add	580.39	
			For Third Rail, Add	150.65	
			For 1" Square x 14 Gauge Pickets, Add	200.87	



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0118	EA		8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,275.53 499.34 606.71 158.01 210.68	59.08
32 31 19 00-0119	EA		9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,418.96 529.97 639.93 167.13 222.84	66.69
32 31 19 00-0120	EA		10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,644.77 579.14 697.86 182.43 243.24	74.31
32 31 19 00-0121	EA		12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,102.40 680.30 824.30 214.94 286.59	82.76
32 31 19 00-0122	EA		14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,247.65 710.92 855.47 223.77 298.36	92.47
32 31 19 00-0123	EA		16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,565.86 780.28 937.50 245.40 327.20	102.91
32 31 19 00-0124	EA		18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,858.08 843.53 1,010.18 264.82 353.09	114.50
32 31 19 00-0125	EA		20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	4,129.40 901.73 1,074.53 282.32 376.43	127.75
32 31 19 00-0126			7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0127	EA		3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,097.16 240.34 290.03 75.77 101.02	28.91
32 31 19 00-0128	EA		3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,152.76 252.51 304.64 79.59 106.12	30.48
32 31 19 00-0129	EA		4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,208.57 264.70 319.22 83.42 111.22	32.04
32 31 19 00-0130	EA		5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,264.47 276.91 333.78 87.24 116.32	33.71
32 31 19 00-0131	EA		6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,462.93 319.92 383.46 100.48 133.98	41.01

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,644.64	48.00
		For Solid Pickets, Add	359.24	
		For Aluminum With Satin Finish, Add	428.58	
		For Third Rail, Add	112.55	
		For 1" Square x 14 Gauge Pickets, Add	150.06	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,776.41	55.21
		For Solid Pickets, Add	387.25	
		For Aluminum With Satin Finish, Add	458.25	
		For Third Rail, Add	120.79	
		For 1" Square x 14 Gauge Pickets, Add	161.05	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,926.76	62.20
		For Solid Pickets, Add	419.51	
		For Aluminum With Satin Finish, Add	493.96	
		For Third Rail, Add	130.50	
		For 1" Square x 14 Gauge Pickets, Add	173.99	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,111.49	69.51
		For Solid Pickets, Add	459.43	
		For Aluminum With Satin Finish, Add	539.51	
		For Third Rail, Add	142.71	
		For 1" Square x 14 Gauge Pickets, Add	190.28	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,155.92	47.39
		For Solid Pickets, Add	474.92	
		For Aluminum With Satin Finish, Add	585.81	
		For Third Rail, Add	151.53	
		For 1" Square x 14 Gauge Pickets, Add	202.05	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,280.88	55.42
		For Solid Pickets, Add	501.32	
		For Aluminum With Satin Finish, Add	612.97	
		For Third Rail, Add	159.18	
		For 1" Square x 14 Gauge Pickets, Add	212.25	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,406.99	63.87
		For Solid Pickets, Add	527.88	
		For Aluminum With Satin Finish, Add	639.95	
		For Third Rail, Add	166.83	
		For 1" Square x 14 Gauge Pickets, Add	222.45	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,533.93	71.91
		For Solid Pickets, Add	554.72	
		For Aluminum With Satin Finish, Add	667.70	
		For Third Rail, Add	174.63	
		For 1" Square x 14 Gauge Pickets, Add	232.84	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,854.23	80.37
		For Solid Pickets, Add	624.98	
		For Aluminum With Satin Finish, Add	752.94	
		For Third Rail, Add	196.85	
		For 1" Square x 14 Gauge Pickets, Add	262.46	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,451.47	89.65
		For Solid Pickets, Add	757.38	
		For Aluminum With Satin Finish, Add	920.23	
		For Third Rail, Add	239.66	
		For 1" Square x 14 Gauge Pickets, Add	319.55	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,411.85	100.51
		For Solid Pickets, Add	746.14	
		For Aluminum With Satin Finish, Add	894.40	
		For Third Rail, Add	234.36	
		For 1" Square x 14 Gauge Pickets, Add	312.48	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,696.22	112.09
		For Solid Pickets, Add	807.63	
		For Aluminum With Satin Finish, Add	964.73	
		For Third Rail, Add	253.19	
		For 1" Square x 14 Gauge Pickets, Add	337.59	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,036.19	125.34
		For Solid Pickets, Add	881.28	
		For Aluminum With Satin Finish, Add	1,049.67	
		For Third Rail, Add	275.85	
		For 1" Square x 14 Gauge Pickets, Add	367.80	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,259.96	139.86
		For Solid Pickets, Add	928.53	
		For Aluminum With Satin Finish, Add	1,098.20	
		For Third Rail, Add	289.53	
		For 1" Square x 14 Gauge Pickets, Add	386.04	



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0146			8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0147	EA		3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,192.44	31.31
			For Solid Pickets, Add	261.25	
			For Aluminum With Satin Finish, Add	315.46	
			For Third Rail, Add	82.39	
			For 1" Square x 14 Gauge Pickets, Add	109.85	
32 31 19 00-0148	EA		3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,250.61	32.98
			For Solid Pickets, Add	273.95	
			For Aluminum With Satin Finish, Add	330.57	
			For Third Rail, Add	86.36	
			For 1" Square x 14 Gauge Pickets, Add	115.15	
32 31 19 00-0149	EA		4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,312.72	34.76
			For Solid Pickets, Add	287.53	
			For Aluminum With Satin Finish, Add	346.85	
			For Third Rail, Add	90.63	
			For 1" Square x 14 Gauge Pickets, Add	120.84	
32 31 19 00-0150	EA		5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,367.88	38.73
			For Solid Pickets, Add	299.04	
			For Aluminum With Satin Finish, Add	357.99	
			For Third Rail, Add	93.86	
			For 1" Square x 14 Gauge Pickets, Add	125.15	
32 31 19 00-0151	EA		6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,618.40	43.84
			For Solid Pickets, Add	354.28	
			For Aluminum With Satin Finish, Add	426.34	
			For Third Rail, Add	111.52	
			For 1" Square x 14 Gauge Pickets, Add	148.69	
32 31 19 00-0152	EA		7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,800.50	52.81
			For Solid Pickets, Add	393.21	
			For Aluminum With Satin Finish, Add	468.76	
			For Third Rail, Add	123.14	
			For 1" Square x 14 Gauge Pickets, Add	164.19	
32 31 19 00-0153	EA		8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,879.55	61.47
			For Solid Pickets, Add	409.04	
			For Aluminum With Satin Finish, Add	480.74	
			For Third Rail, Add	127.11	
			For 1" Square x 14 Gauge Pickets, Add	169.48	
32 31 19 00-0154	EA		9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,014.58	70.55
			For Solid Pickets, Add	437.39	
			For Aluminum With Satin Finish, Add	509.03	
			For Third Rail, Add	135.20	
			For 1" Square x 14 Gauge Pickets, Add	180.27	
32 31 19 00-0155	EA		10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,131.93	79.64
			For Solid Pickets, Add	461.76	
			For Aluminum With Satin Finish, Add	532.03	
			For Third Rail, Add	141.97	
			For 1" Square x 14 Gauge Pickets, Add	189.29	
32 31 19 00-0156	EA		6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,343.60	50.62
			For Solid Pickets, Add	516.46	
			For Aluminum With Satin Finish, Add	637.99	
			For Third Rail, Add	164.92	
			For 1" Square x 14 Gauge Pickets, Add	219.90	
32 31 19 00-0157	EA		7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,483.30	61.06
			For Solid Pickets, Add	545.66	
			For Aluminum With Satin Finish, Add	666.47	
			For Third Rail, Add	173.16	
			For 1" Square x 14 Gauge Pickets, Add	230.88	
32 31 19 00-0158	EA		8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,619.90	71.08
			For Solid Pickets, Add	574.24	
			For Aluminum With Satin Finish, Add	694.53	
			For Third Rail, Add	181.25	
			For 1" Square x 14 Gauge Pickets, Add	241.67	
32 31 19 00-0159	EA		9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,734.09	81.62
			For Solid Pickets, Add	597.69	
			For Aluminum With Satin Finish, Add	715.35	
			For Third Rail, Add	187.58	
			For 1" Square x 14 Gauge Pickets, Add	250.10	
32 31 19 00-0160	EA		10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,177.84	92.05
			For Solid Pickets, Add	695.30	
			For Aluminum With Satin Finish, Add	835.05	
			For Third Rail, Add	218.62	
			For 1" Square x 14 Gauge Pickets, Add	291.49	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,962.44 869.33 1,055.44 274.97 366.62	103.64
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,619.77 789.39 935.59 246.43 328.57	116.90
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,875.24 843.60 992.60 262.31 349.75	132.24
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	4,270.67 928.96 1,089.53 288.36 384.47	149.04
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	4,356.01 944.11 1,090.85 290.71 387.61	167.93
32 31 19 00-0166		Replace Steel Tube Fence Pickets (32 31 19 00-0032)		
32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket For 1" Square x 14 Gauge Pickets, Add	30.93 1.01	
32 31 19 00-0168		Removal And Reinstallation Of Ornamental Fences (32 31 19)		
		Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	46.96	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	51.66	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	56.36	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	61.06	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	65.75	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	70.45	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	78.28	
32 31 23		Plastic Fences and Gates (32 31)		
32 31 23 00-0001		Vinyl Fence (32 31 23)		
32 31 23 00-0002		Privacy Tongue And Groove Vinyl Fence (32 31 23 00-0001)		
		Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003	LF	3' High Privacy Tongue And Groove Vinyl Fence	60.83	6.88
32 31 23 00-0004	LF	4' High Privacy Tongue And Groove Vinyl Fence	68.26	8.25
32 31 23 00-0005	LF	5' High Privacy Tongue And Groove Vinyl Fence	76.28	9.62
32 31 23 00-0006	LF	6' High Privacy Tongue And Groove Vinyl Fence	84.15	11.00
32 31 23 00-0007		Semi-Privacy 6" Picket Vinyl Fence (32 31 23 00-0001)		
		Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008	LF	5' High Semi-Privacy 6" Picket Vinyl Fence	81.59	9.62
32 31 23 00-0009	LF	6' High Semi-Privacy 6" Picket Vinyl Fence	89.51	11.00
32 31 23 00-0010		Picket Straight Top Vinyl Fence (32 31 23 00-0001)		
		Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011	LF	3' High Picket Straight Top Vinyl Fence	56.15	6.88
32 31 23 00-0012	LF	4' High Picket Straight Top Vinyl Fence	63.83	8.25
32 31 23 00-0013	LF	5' High Picket Straight Top Vinyl Fence	73.18	9.62
32 31 23 00-0014	LF	6' High Picket Straight Top Vinyl Fence	81.11	11.00
32 31 23 00-0015		Picket Scalloped Top Vinyl Fence (32 31 23 00-0001)		
		Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016	LF	3' High Picket Scalloped Top Vinyl Fence	62.17	6.88
32 31 23 00-0017	LF	4' High Picket Scalloped Top Vinyl Fence	70.03	8.25
32 31 23 00-0018	LF	5' High Picket Scalloped Top Vinyl Fence	78.98	9.62
32 31 23 00-0019	LF	6' High Picket Scalloped Top Vinyl Fence	87.09	11.00



Exterior Improvements			32
Site Improvements			32 30
Fences and Gates			32 31

32

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0020	Post And Rail Vinyl Fence, Ranch Style (32 31 23 00-0001) Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021	LF 5' High, 2 Rail, Post And Rail Vinyl Fence	23.27	6.88
32 31 23 00-0022	LF 6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	29.80	8.25
32 31 23 00-0023	LF 7' High, 4 Rail, Post And Rail Vinyl Fence	34.25	8.94
32 31 23 00-0024	Post, Rails And Pickets (Traditional Style) Vinyl Fence (32 31 23 00-0001) Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025	LF 3' High Rail And Picket Vinyl Fence, 72" On Center Posts	72.74	7.56
32 31 23 00-0026	LF 4' High Rail And Picket Vinyl Fence, 72" On Center Posts	79.56	8.94
32 31 23 00-0027	LF 3' High Rail And Picket Vinyl Fence, 96" On Center Posts	68.58	6.88
32 31 23 00-0028	LF 4' High Rail And Picket Vinyl Fence, 96" On Center Posts	74.71	8.25
32 31 23 00-0029	Vinyl Gates (32 31 23)		
32 31 23 00-0030	Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0029) Note: Includes hinges.		
32 31 23 00-0031	3' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)		
32 31 23 00-0032	EA 3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	672.22 14.50 38.50	68.75
32 31 23 00-0033	EA 3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	713.19 14.50 38.50	72.19
32 31 23 00-0034	EA 3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	782.06 14.50 38.50	75.63
32 31 23 00-0035	EA 3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	875.73 14.50 38.50	79.07
32 31 23 00-0036	4' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)		
32 31 23 00-0037	EA 4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	713.19 14.50 38.50	72.19
32 31 23 00-0038	EA 4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	738.66 14.50 38.50	75.63
32 31 23 00-0039	EA 4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	819.94 14.50 38.50	79.07
32 31 23 00-0040	EA 4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	960.08 14.50 38.50	82.51
32 31 23 00-0041	5' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)		
32 31 23 00-0042	EA 5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	738.66 14.50 38.50	75.63
32 31 23 00-0043	EA 5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	770.34 14.50 38.50	79.07
32 31 23 00-0044	EA 5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	882.59 14.50 38.50	82.51
32 31 23 00-0045	EA 5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	1,028.96 14.50 38.50	85.95
32 31 23 00-0046	6' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)		
32 31 23 00-0047	EA 6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	777.20 14.50 38.50	82.51
32 31 23 00-0048	EA 6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	808.88 14.50 38.50	85.95
32 31 23 00-0049	EA 6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	973.84 14.50 38.50	89.38
32 31 23 00-0050	EA 6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... For Self-Closing Hinge Set, Add For Self-Closing Stainless Steel Hinge Set, Add	1,073.71 14.50 38.50	89.38
32 31 23 00-0051	Gates For Picket Fences (32 31 23 00-0029) Note: Includes hinges.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0052		3' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	644.32	68.75
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	669.79	72.19
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	751.06	75.63
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	891.23	79.07
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0057		4' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0058	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	651.19	72.19
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0059	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	676.67	75.63
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0060	EA	4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	757.94	79.07
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0061	EA	4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	898.09	82.51
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0062		5' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0063	EA	5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	676.67	75.63
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0064	EA	5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	708.35	79.07
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0065	EA	5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	820.60	82.51
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0066	EA	5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	966.96	85.95
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0067		6' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0068	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	715.21	82.51
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0069	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	746.88	85.95
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0070	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	911.85	89.38
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0071	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	1,011.72	92.82
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0072		Gates Accessories (32 31 23 00-0029)		
32 31 23 00-0073	EA	Gate Stop/Drop Rod	145.96	
32 31 23 00-0074	EA	Latch Set	101.01	
32 31 23 00-0075	EA	Stainless Steel Latch Set	145.96	
32 31 26		Wire Fences and Gates (32 31)		
32 31 26 13		Wire Fences with Steel Posts (32 31 26)		
32 31 26 13-0001		Chicken Wire (32 31 26 13)		
		Note: Posts at 4'.		
32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	8.97	1.88
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	9.77	1.88
32 31 26 13-0004		Wire And Screen (32 31 26 13)		
32 31 26 13-0005		Wire And Screen For Partitions And Fences (32 31 26 13-0004)		
		Note: Excludes framing and post.		
32 31 26 13-0006		Screen Wire (32 31 26 13-0005)		
32 31 26 13-0007	LF	Screen Wire, 48" Wide Rolls	15.17	1.39



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26 13-0008			Hog Wire (32 31 26 13-0005)		
32 31 26 13-0009	SF		4" x 4" Hog Wire For Fencing	2.74	1.10
32 31 26 13-0010	SF		6" x 6" Hog Wire For Fencing	2.88	1.25
32 31 26 13-0011			Non-Climb Horse Fence (32 31 26 13-0005)		
32 31 26 13-0012	LF		4' Non-Climb Woven, 12.5 Gauge, Horse Fence	12.56	4.43
32 31 26 13-0013	LF		5' Non-Climb Woven, 12.5 Gauge, Horse Fence	16.10	5.53
32 31 26 13-0014	LF		6' Non-Climb Woven, 12.5 Gauge, Horse Fence	20.15	6.64
32 31 26 13-0015			Screen For Partitions And Ceilings (32 31 26 13-0004)		
			Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016	SF		1" Mesh Chicken Wire	2.41	0.78
32 31 26 13-0017			Wicket Fence (32 31 26 13)		
32 31 26 13-0018	LF		Steel Wicket Fence, Painted	71.87	5.54
32 31 29			Wood Fences and Gates (32 31)		
			See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001			Basket Weave (32 31 29)		
			Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF		6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	46.87	3.74
			For Fastening With Screws Instead Of Nails, Add	2.73	
32 31 29 00-0003	LF		6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	30.60	3.74
			For Fastening With Screws Instead Of Nails, Add	1.95	
32 31 29 00-0004			Board Fence (32 31 29)		
			Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF		Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	29.89	3.74
			For 1" x 6" Boards, Deduct	-3.09	
			For 1" x 3" Boards (Stockade Top), Add	3.83	
			For Fastening With Screws Instead Of Nails, Add	1.93	
32 31 29 00-0006	LF		Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	33.31	3.74
			For 1" x 6" Boards, Deduct	-3.37	
			For 1" x 3" Boards (Stockade Top), Add	4.15	
			For Fastening With Screws Instead Of Nails, Add	2.13	
32 31 29 00-0007	LF		Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	37.28	3.74
			For 1" x 6" Boards, Deduct	-3.61	
			For 1" x 3" Boards (Stockade Top), Add	4.39	
			For Fastening With Screws Instead Of Nails, Add	2.35	
32 31 29 00-0008	LF		Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	39.85	3.74
			For 1" x 6" Boards, Deduct	-3.80	
			For 1" x 3" Boards (Stockade Top), Add	4.60	
			For Fastening With Screws Instead Of Nails, Add	2.49	
32 31 29 00-0009	LF		Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	42.61	3.74
			For 1" x 6" Boards, Deduct	-3.99	
			For 1" x 3" Boards (Stockade Top), Add	4.81	
			For Fastening With Screws Instead Of Nails, Add	2.65	
32 31 29 00-0010	LF		Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	32.02	3.74
			For 1" x 6" Boards, Deduct	-3.18	
			For 1" x 3" Boards (Stockade Top), Add	3.89	
			For Fastening With Screws Instead Of Nails, Add	2.03	
32 31 29 00-0011	LF		Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	34.95	3.74
			For 1" x 6" Boards, Deduct	-3.44	
			For 1" x 3" Boards (Stockade Top), Add	4.20	
			For Fastening With Screws Instead Of Nails, Add	2.21	
32 31 29 00-0012	LF		Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	37.28	3.74
			For 1" x 6" Boards, Deduct	-3.61	
			For 1" x 3" Boards (Stockade Top), Add	4.39	
			For Fastening With Screws Instead Of Nails, Add	2.35	
32 31 29 00-0013	LF		Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	39.85	3.74
			For 1" x 6" Boards, Deduct	-3.80	
			For 1" x 3" Boards (Stockade Top), Add	4.60	
			For Fastening With Screws Instead Of Nails, Add	2.49	
32 31 29 00-0014	LF		Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	42.61	3.74
			For 1" x 6" Boards, Deduct	-3.99	
			For 1" x 3" Boards (Stockade Top), Add	4.81	
			For Fastening With Screws Instead Of Nails, Add	2.65	
32 31 29 00-0015	LF		Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	32.03	3.74
			For 1" x 6" Boards, Deduct	-3.18	
			For 1" x 3" Boards (Stockade Top), Add	3.90	
			For Fastening With Screws Instead Of Nails, Add	2.03	
32 31 29 00-0016	LF		Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	42.23	3.74
			For 1" x 6" Boards, Deduct	-3.73	
			For 1" x 3" Boards (Stockade Top), Add	4.42	
			For Fastening With Screws Instead Of Nails, Add	2.58	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0017 LF Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	44.25 -3.89 4.60 2.69	3.74
32 31 29 00-0018 LF Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	47.65 -4.11 4.83 2.88	3.74
32 31 29 00-0019 LF Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	51.31 -4.34 5.07 3.09	3.74
32 31 29 00-0020 Shadow Box (32 31 29) Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine..... <i>For Fastening With Screws Instead Of Nails, Add</i>	65.39 3.66	3.74
32 31 29 00-0022 LF Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	82.23 4.58	3.74
32 31 29 00-0023 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	89.64 4.96	3.74
32 31 29 00-0024 LF Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	96.33 5.33	3.74
32 31 29 00-0025 Open Rail Fence (32 31 29)		
32 31 29 00-0026 Post And Rail Fence, Ranch Style (32 31 29 00-0025)		
32 31 29 00-0027 LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	30.01	3.74
32 31 29 00-0028 LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	23.25	3.74
32 31 29 00-0029 LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	35.66	3.74
32 31 29 00-0030 LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	25.12	3.74
32 31 29 00-0031 Split Rail Fence (32 31 29 00-0025)		
32 31 29 00-0032 LF Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	28.27	3.74
32 31 29 00-0033 LF Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	23.17	3.74
32 31 29 00-0034 LF Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	32.34	3.74
32 31 29 00-0035 LF Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	26.10	3.74
32 31 29 00-0036 Picket Fence (32 31 29)		
32 31 29 00-0037 LF Picket Fence, 2 Rail, 3' High, Pressure Treated..... <i>For Fastening With Screws Instead Of Nails, Add</i>	34.29 2.16	3.74
32 31 29 00-0038 LF Picket Fence, 2 Rail, 3' High #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	31.96 2.05	3.74
32 31 29 00-0039 Wood Fence Post Accessories (32 31 29)		
32 31 29 00-0040 EA 3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	47.54	
32 31 29 00-0041 EA 4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	53.34	
32 31 29 00-0042 EA 6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	58.07	
32 31 29 00-0043 EA 8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	86.05	
32 31 29 00-0044 Wood Gate (32 31 29)		
32 31 29 00-0045 Board Fence Gates, Pressure Treated Wood (32 31 29 00-0044) Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046 EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	493.42	154.39
32 31 29 00-0047 EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	545.19	163.65
32 31 29 00-0048 EA 3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	609.30	179.09
32 31 29 00-0049 EA 3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	690.60	188.36
32 31 29 00-0050 EA 3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	771.91	197.62
32 31 29 00-0051 EA >5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	629.16	203.79
32 31 29 00-0052 EA >5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	684.62	213.06
32 31 29 00-0053 EA >5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	740.06	222.32
32 31 29 00-0054 EA >5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	832.45	231.58
32 31 29 00-0055 EA >5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	906.36	240.85
32 31 29 00-0056 Board Fence Gates, Grade 2 Cedar (32 31 29 00-0044) Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057 EA 3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	732.70	117.08
32 31 29 00-0058 EA 3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	757.82	124.11
32 31 29 00-0059 EA 3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	796.01	135.82
32 31 29 00-0060 EA 3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	839.60	142.84
32 31 29 00-0061 EA 3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	894.27	149.87



Exterior Improvements		32	32
Site Improvements		32 30	
Fences and Gates		32 31	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	863.02	154.55
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	895.53	161.58
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	946.51	168.60
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	997.49	175.63
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,048.48	182.65
32 31 29 00-0067 Board Fence Gates, Grade 1 Cedar (32 31 29 00-0044)				
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)				
32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	788.09	117.08
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	820.59	124.11
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	862.48	135.82
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	913.46	142.84
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	964.43	149.87
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	936.88	154.55
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	969.39	161.58
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,020.37	168.60
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,071.35	175.63
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,140.80	182.65
32 31 29 00-0078 Pressure Treated Wood Fence Posts (32 31 29)				
See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0684 for barbed wire, 32 31 56 00-0017 for barbed wire.				
32 31 29 00-0079	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	47.02	15.44
32 31 29 00-0080	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	52.85	15.44
32 31 29 00-0081	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	82.92	29.64
32 31 29 00-0082	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	89.56	29.64
32 31 29 00-0083 Wood Utility Pole Fence (32 31 29)				
Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.				
32 31 29 00-0084	LF	Wood Utility Pole Barrier Fence.....	57.43	3.74
Note: Includes notching post, drilling and pinned with #5 rebar.				
32 31 29 00-0085 Wood Rail Fence (32 31 29)				
Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill				
32 31 29 00-0086	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	29.05	3.74
32 31 34 Tubular Barrier Gates (32 31)				
32 31 34 00-0001 Pipe Gate (32 31 34)				
Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.				
32 31 34 00-0002	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	4,231.72	
32 31 34 00-0003	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	5,293.43	
32 31 34 00-0004	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	6,308.65	
32 31 41 Precast Concrete Fences (32 31)				
32 31 41 00-0001 Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. (32 31 41)				
Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.				
32 31 41 00-0002	LF	Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury	72.05	3.74
Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.				
32 31 56 Wild Life Deterrent Fence (32 31)				
32 31 56 00-0001 Barbed Wire Fences (32 31 56)				
Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.				
32 31 56 00-0002 Fence Posts (32 31 56 00-0001)				
32 31 56 00-0003 Fence Post Soil, Set In Concrete (32 31 56 00-0002)				
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	107.72	8.35
For Bracing On Corner Post, End Post And Pull Post, Add			173.98	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	145.66	8.35
For Bracing On Corner Post, End Post And Pull Post, Add			237.34	
32 31 56 00-0006 Post In Rock (32 31 56 00-0002)				
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock.....	105.89	8.35
For Bracing On Corner Post, End Post And Pull Post, Add			171.23	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	143.83	8.35
For Bracing On Corner Post, End Post And Pull Post, Add			234.59	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish (32 31 56 00-0001)

Note: Posts for barb wire, chain link or welded wire mesh.

32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	27.58	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	28.25	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	29.55	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	30.85	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	32.57	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	36.72	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	44.83	

32 31 56 00-0017 Barbed Wire (32 31 56 00-0001)

Note: Per strand.

32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.93	0.41
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.08	0.41

32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts (32 31 56 00-0001)

Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.

32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts	11.53	2.71

Note: Posts at 10' maximum.

32 32 Retaining Walls (32 30)**32 32 13 Cast-In-Place Concrete Retaining Wall** (32 32)

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001 Concrete Retaining Walls (32 32 13)

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	409.39	150.52
		For >3:1 Sloped Soil At Top, Add	9.22	
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	510.57	185.22
		For >3:1 Sloped Soil At Top, Add	11.90	
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	556.07	199.79
		For >3:1 Sloped Soil At Top, Add	13.30	
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	708.01	247.02
		For >3:1 Sloped Soil At Top, Add	18.19	
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	815.91	283.75
		For >3:1 Sloped Soil At Top, Add	21.11	
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,180.62	416.27
		For >3:1 Sloped Soil At Top, Add	29.60	
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,620.90	574.68
		For >3:1 Sloped Soil At Top, Add	40.07	
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	449.85	164.38
		For >3:1 Sloped Soil At Top, Add	10.29	
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	550.48	198.06
		For >3:1 Sloped Soil At Top, Add	13.13	
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	582.75	206.67
		For >3:1 Sloped Soil At Top, Add	14.40	
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	801.32	276.97
		For >3:1 Sloped Soil At Top, Add	21.02	
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,016.25	355.77
		For >3:1 Sloped Soil At Top, Add	25.90	
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,524.12	539.27
		For >3:1 Sloped Soil At Top, Add	37.88	
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	2,151.02	761.22
		For >3:1 Sloped Soil At Top, Add	53.43	

32 32 16 Precast Concrete Retaining Walls (32 32)**32 32 16 00-0001 Precast Retaining Walls** (32 32 16)

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

32 32 16 00-0002	SF	10'-15' High, Tied-back, Precast Concrete Retaining Walls	106.68	15.49
32 32 16 00-0003	SF	16'-20' High, Tied-back, Precast Concrete Retaining Walls	109.55	12.45
32 32 16 00-0004	SF	21'-25' High, Tied-back, Precast Concrete Retaining Walls	113.62	10.37
32 32 16 00-0005	SF	26'-30' High, Tied-back, Precast Concrete Retaining Walls	122.86	10.37
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	129.98	8.85

32 32 23 Segmental Retaining Walls (32 32)**32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls** (32 32 23)



Exterior Improvements		32	32
Site Improvements		32 30	
Retaining Walls		32 32	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0001	Modular Retaining Wall Systems (32 32 23 13) Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002	"Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0003	SF Up To 4' Height "Amastone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	75.62 4.79	9.62
32 32 23 13-0004	SF 4 To 8' Height "Amastone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	79.79 5.06	10.12
32 32 23 13-0005	SF 8 To 12' Height "Amastone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	83.16 5.18	11.14
32 32 23 13-0006	SF 12 To 16' Height "Amastone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	86.74 5.31	12.15
32 32 23 13-0007	"Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0008	SF Up To 4' Height "Diamond" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	78.57 5.04	9.62
32 32 23 13-0009	SF 4 To 8' Height "Diamond" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	82.74 5.31	10.12
32 32 23 13-0010	SF 8 To 12' Height "Diamond" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	86.10 5.43	11.14
32 32 23 13-0011	SF 12 To 16' Height "Diamond" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	89.68 5.56	12.15
32 32 23 13-0012	"Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0013	SF Up To 4' Height "Keystone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	85.61 5.64	9.62
32 32 23 13-0014	SF 4 To 8' Height "Keystone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	89.78 5.91	10.12
32 32 23 13-0015	SF 8 To 12' Height "Keystone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	93.15 6.02	11.14
32 32 23 13-0016	SF 12 To 16' Height "Keystone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	96.73 6.16	12.15
32 32 23 13-0017	"Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0018	SF Up To 4' Height "Criblock" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add For Gravel Backfill Instead Of Earth, Add	75.62 4.79 0.25	9.62
32 32 23 13-0019	SF 4 To 8' Height "Criblock" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add For Gravel Backfill Instead Of Earth, Add	79.79 5.06 0.25	10.12
32 32 23 13-0020	SF 8 To 12' Height "Criblock" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add For Gravel Backfill Instead Of Earth, Add	83.16 5.18 0.25	11.14
32 32 23 13-0021	SF 12 To 16' Height "Criblock" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add For Gravel Backfill Instead Of Earth, Add	86.74 5.31 0.25	12.15
32 32 23 13-0022	"Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0023	SF Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	66.68 4.03	9.62
32 32 23 13-0024	SF 4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	73.79 4.55	10.12
32 32 23 13-0025	SF 8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	77.21 4.67	11.14
32 32 23 13-0026	SF 12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	80.24 4.75	12.15
32 32 23 13-0027	Retaining Wall Cap Block Restoration (32 32 23 13-0001) Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF Removal And Reinstall Retaining Wall Cap Block And Pins For >3:1 Sloped Soil At Top, Add	43.75 2.44	
32 32 26	Metal Crib Retaining Walls (32 32)		
32 32 26 00-0001	Aluminized Steel Bin (32 32 26) Note: Excludes excavation and backfill.		
32 32 26 00-0002	SF 4' High, 5.5' Deep Aluminized Steel Bin For >3:1 Sloped Soil At Top, Add For Galvanized Type, Deduct	46.52 3.07 -3.61	5.20
32 32 26 00-0003	SF 8' High, 5.5' Deep Aluminized Steel Bin For >3:1 Sloped Soil At Top, Add For Galvanized Type, Deduct	52.12 3.54 -4.16	5.20
32 32 26 00-0004	SF 10' High, 7.7' Deep Aluminized Steel Bin For >3:1 Sloped Soil At Top, Add For Galvanized Type, Deduct	55.65 3.77 -4.43	5.69

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0005	SF	12' High, 7.7' Deep Aluminized Steel Bin.....	63.39	6.42
		For >3:1 Sloped Soil At Top, Add	4.30	
		For Galvanized Type, Deduct	-5.06	
32 32 26 00-0006	SF	16' High, 7.7' Deep Aluminized Steel Bin.....	61.04	6.66
		For >3:1 Sloped Soil At Top, Add	4.07	
		For Galvanized Type, Deduct	-4.78	
32 32 26 00-0007	SF	16' High, 9.9' Deep Aluminized Steel Bin.....	68.05	6.78
		For >3:1 Sloped Soil At Top, Add	4.64	
		For Galvanized Type, Deduct	-5.46	
32 32 26 00-0008	SF	20' High, 9.9' Deep Aluminized Steel Bin.....	75.50	7.15
		For >3:1 Sloped Soil At Top, Add	5.19	
		For Galvanized Type, Deduct	-6.11	
32 32 26 00-0009	SF	20' High, 12.1' Deep Aluminized Steel Bin.....	77.30	7.51
		For >3:1 Sloped Soil At Top, Add	5.30	
		For Galvanized Type, Deduct	-6.24	
32 32 26 00-0010	SF	24' High, 12.1' Deep Aluminized Steel Bin.....	81.34	7.51
		For >3:1 Sloped Soil At Top, Add	5.64	
		For Galvanized Type, Deduct	-6.63	
32 32 26 00-0011	SF	24' High, 14.3' Deep Aluminized Steel Bin.....	85.35	7.63
		For >3:1 Sloped Soil At Top, Add	5.97	
		For Galvanized Type, Deduct	-7.02	
32 32 26 00-0012	SF	28' High, 14.3' Deep Aluminized Steel Bin.....	88.21	7.75
		For >3:1 Sloped Soil At Top, Add	6.19	
		For Galvanized Type, Deduct	-7.28	

32 32 29 Timber Retaining Walls (32 32)**32 32 29 00-0001 Wood Post Retaining Walls (32 32 29)**

Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls	95.45	33.90
		For >3:1 Sloped Soil At Top, Add	2.36	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	186.81	66.37
		For >3:1 Sloped Soil At Top, Add	4.60	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	91.91	33.90
		For >3:1 Sloped Soil At Top, Add	2.06	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	179.92	66.37
		For >3:1 Sloped Soil At Top, Add	4.02	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	97.16	29.61
		For >3:1 Sloped Soil At Top, Add	3.22	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	190.23	57.92
		For >3:1 Sloped Soil At Top, Add	6.32	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	76.04	26.28
		For >3:1 Sloped Soil At Top, Add	1.99	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	137.49	47.57
		For >3:1 Sloped Soil At Top, Add	3.60	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	251.38	80.40
		For >3:1 Sloped Soil At Top, Add	7.70	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	496.27	157.59
		For >3:1 Sloped Soil At Top, Add	15.40	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	247.44	80.40
		For >3:1 Sloped Soil At Top, Add	7.37	
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	486.42	157.59
		For >3:1 Sloped Soil At Top, Add	14.57	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	251.21	65.29
		For >3:1 Sloped Soil At Top, Add	10.25	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	499.08	128.93
		For >3:1 Sloped Soil At Top, Add	20.50	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	172.48	52.21
		For >3:1 Sloped Soil At Top, Add	5.78	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	339.25	102.16
		For >3:1 Sloped Soil At Top, Add	11.47	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	618.40	174.23
		For >3:1 Sloped Soil At Top, Add	22.94	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	1,156.71	325.28
		For >3:1 Sloped Soil At Top, Add	43.03	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	598.71	174.23
		For >3:1 Sloped Soil At Top, Add	21.26	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	1,119.29	325.28
		For >3:1 Sloped Soil At Top, Add	39.85	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	688.03	201.00
		For >3:1 Sloped Soil At Top, Add	24.31	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	1,283.50	375.35
		For >3:1 Sloped Soil At Top, Add	45.29	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	487.41	162.46
		For >3:1 Sloped Soil At Top, Add	13.81	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	904.03	301.38
		For >3:1 Sloped Soil At Top, Add	25.62	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	183.27	66.96
		For >3:1 Sloped Soil At Top, Add	4.19	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	273.90	100.49
		For >3:1 Sloped Soil At Top, Add	6.19	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	364.44	133.92
		For >3:1 Sloped Soil At Top, Add	8.20	



Exterior Improvements			32
Site Improvements			32 30
Retaining Walls			32 32

32

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	123.98 4.10	37.82
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	180.12 6.03	54.59
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	243.91 8.20	73.74
32 32 29 00-0032 Post And Board Retaining Walls (32 32 29)				
Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.				
32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	75.96 3.04	20.10
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	116.93 4.10	34.37
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	153.39 5.78	42.70
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	214.53 7.95	60.54
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	280.55 10.46	78.74
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	575.54 22.44	155.80
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	650.38 25.95	172.57
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	77.14 3.00	20.93
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	135.44 5.19	37.23
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	133.12 5.11	36.52
32 32 29 00-0043	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	186.62 6.95	52.45
32 32 29 00-0044	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	290.63 10.46	83.73
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	230.09 8.62	64.34
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	595.35 23.27	160.80
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	97.58 1.72	38.65
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	141.12 2.65	54.95
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat..... <i>For >3:1 Sloped Soil At Top, Add</i>	204.91 4.60	75.40
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	359.95 8.96	127.26
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	364.88 9.38	127.26
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat..... <i>For >3:1 Sloped Soil At Top, Add</i>	343.07 8.37	122.26
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	806.71 20.76	281.28
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	97.58 1.72	38.65
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	141.12 2.65	54.95
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	204.91 4.60	75.40
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	257.52 5.94	93.84
32 32 29 00-0058	LF	6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	359.95 8.96	127.26
32 32 29 00-0059	LF	6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	343.07 8.37	122.26
32 32 29 00-0060	LF	8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	806.71 20.76	281.28
32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' (32 32 29)				
Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.				
32 32 29 00-0062 Redwood (32 32 29 00-0061)				
32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall..... <i>For >3:1 Sloped Soil At Top, Add</i>	129.69 4.02	41.15
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	295.93 9.21	93.84
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	442.98 13.73	140.70
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	428.29 15.91	120.59

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	643.57	180.90
		<i>For >3:1 Sloped Soil At Top, Add</i>	23.94	
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	849.94	237.87
		<i>For >3:1 Sloped Soil At Top, Add</i>	31.81	
32 32 29 00-0069		Cedar (32 32 29 00-0061)		
32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall	127.72	41.15
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.85	
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	290.02	93.84
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.71	
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	435.11	140.70
		<i>For >3:1 Sloped Soil At Top, Add</i>	13.06	
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	414.50	120.59
		<i>For >3:1 Sloped Soil At Top, Add</i>	14.73	
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	623.88	180.90
		<i>For >3:1 Sloped Soil At Top, Add</i>	22.27	
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	822.37	237.87
		<i>For >3:1 Sloped Soil At Top, Add</i>	29.47	
32 32 29 00-0076		Creosoted Wood (32 32 29 00-0061)		
32 32 29 00-0077	LF	2' High, 6" x 8" Wood Tie Wall	142.80	54.59
		<i>For >3:1 Sloped Soil At Top, Add</i>	2.86	
32 32 29 00-0078	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	327.12	125.59
		<i>For >3:1 Sloped Soil At Top, Add</i>	6.45	
32 32 29 00-0079	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	485.07	185.90
		<i>For >3:1 Sloped Soil At Top, Add</i>	9.63	
32 32 29 00-0080	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	657.47	252.85
		<i>For >3:1 Sloped Soil At Top, Add</i>	12.89	
32 32 29 00-0081	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	957.27	368.34
		<i>For >3:1 Sloped Soil At Top, Add</i>	18.75	
32 32 29 00-0082	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	1,270.23	488.34
		<i>For >3:1 Sloped Soil At Top, Add</i>	24.95	
32 32 29 00-0083		Pressure Treated Wood (32 32 29 00-0061)		
32 32 29 00-0084	LF	2' High, 6" x 6" Wood Tie Wall	112.43	34.01
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.78	
32 32 29 00-0085	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	255.54	77.07
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.62	
32 32 29 00-0086	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	382.82	115.61
		<i>For >3:1 Sloped Soil At Top, Add</i>	12.89	
32 32 29 00-0087	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	416.82	139.03
		<i>For >3:1 Sloped Soil At Top, Add</i>	11.80	
32 32 29 00-0088	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	626.21	207.78
		<i>For >3:1 Sloped Soil At Top, Add</i>	17.92	
32 32 29 00-0089	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	830.22	276.28
		<i>For >3:1 Sloped Soil At Top, Add</i>	23.61	
32 32 53		Stone Retaining Walls (32 32)		
32 32 53 00-0001		Stone Retaining Walls (32 32 53)		
		Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		
32 32 53 00-0002		Stone Retaining Walls (32 32 53 00-0001)		
		Note: Stone at \$16.00/ton.		
32 32 53 00-0003	LF	\$16.00/ton 3' High Stone Retaining Wall, Dry Set.....	508.31	227.92
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.45	
32 32 53 00-0004	LF	\$16.00/ton 4' High Stone Retaining Wall, Dry Set.....	599.64	271.15
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.87	
32 32 53 00-0005	LF	\$16.00/ton 6' High Stone Retaining Wall, Dry Set.....	787.50	360.25
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.70	
32 32 53 00-0006	LF	\$16.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,213.12	563.27
		<i>For >3:1 Sloped Soil At Top, Add</i>	7.35	
32 32 53 00-0007	LF	\$16.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,576.05	736.82
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.70	
32 32 53 00-0008	LF	\$16.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,955.81	917.56
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.25	
32 32 53 00-0009	LF	\$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	455.98	201.79
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.45	
32 32 53 00-0010	LF	\$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	534.84	238.75
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.87	
32 32 53 00-0011	LF	\$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	691.85	312.37
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.70	
32 32 53 00-0012	LF	\$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,059.15	486.32
		<i>For >3:1 Sloped Soil At Top, Add</i>	7.35	
32 32 53 00-0013	LF	\$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,360.08	628.88
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.70	
32 32 53 00-0014	LF	\$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,689.41	784.41
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.25	



Exterior Improvements		32	32
Site Improvements		32 30	
Retaining Walls		32 32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0015			Stone Retaining Walls (32 32 53 00-0001) Note: Stone at \$32.00/ton.		
32 32 53 00-0016	LF		\$32.00/ton 3' High Stone Retaining Wall, Dry Set	524.15	227.92
			For >3:1 Sloped Soil At Top, Add	5.80	
32 32 53 00-0017	LF		\$32.00/ton 4' High Stone Retaining Wall, Dry Set	621.57	271.15
			For >3:1 Sloped Soil At Top, Add	6.73	
32 32 53 00-0018	LF		\$32.00/ton 6' High Stone Retaining Wall, Dry Set	819.18	360.25
			For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0019	LF		\$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,259.42	563.27
			For >3:1 Sloped Soil At Top, Add	11.29	
32 32 53 00-0020	LF		\$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,639.41	736.82
			For >3:1 Sloped Soil At Top, Add	14.09	
32 32 53 00-0021	LF		\$32.00/ton 12' High Stone Retaining Wall, Dry Set	2,036.23	917.56
			For >3:1 Sloped Soil At Top, Add	17.09	
32 32 53 00-0022	LF		\$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	471.82	201.79
			For >3:1 Sloped Soil At Top, Add	5.80	
32 32 53 00-0023	LF		\$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	556.77	238.75
			For >3:1 Sloped Soil At Top, Add	6.73	
32 32 53 00-0024	LF		\$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	723.53	312.37
			For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0025	LF		\$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,105.45	486.32
			For >3:1 Sloped Soil At Top, Add	11.29	
32 32 53 00-0026	LF		\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,423.44	628.88
			For >3:1 Sloped Soil At Top, Add	14.09	
32 32 53 00-0027	LF		\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,769.83	784.41
			For >3:1 Sloped Soil At Top, Add	17.09	
32 32 53 00-0028			Stone Retaining Walls (32 32 53 00-0001) Note: Stone at \$48.00/ton.		
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set	541.21	227.92
			For >3:1 Sloped Soil At Top, Add	7.25	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set	643.26	271.15
			For >3:1 Sloped Soil At Top, Add	8.58	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set	849.64	360.25
			For >3:1 Sloped Soil At Top, Add	10.98	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,305.72	563.27
			For >3:1 Sloped Soil At Top, Add	15.22	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,702.77	736.82
			For >3:1 Sloped Soil At Top, Add	19.47	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set	2,117.86	917.56
			For >3:1 Sloped Soil At Top, Add	24.03	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	488.88	201.79
			For >3:1 Sloped Soil At Top, Add	7.25	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	578.70	238.75
			For >3:1 Sloped Soil At Top, Add	8.60	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	753.99	312.37
			For >3:1 Sloped Soil At Top, Add	10.98	
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,151.75	486.32
			For >3:1 Sloped Soil At Top, Add	15.22	
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,486.80	628.88
			For >3:1 Sloped Soil At Top, Add	19.47	
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,851.46	784.41
			For >3:1 Sloped Soil At Top, Add	24.03	
32 32 53 00-0041			Stone Retaining Walls (32 32 53 00-0001) Note: Stone at \$64.00/ton.		
32 32 53 00-0042	LF		\$64.00/ton 3' High Stone Retaining Wall, Dry Set	558.27	227.92
			For >3:1 Sloped Soil At Top, Add	8.70	
32 32 53 00-0043	LF		\$64.00/ton 4' High Stone Retaining Wall, Dry Set	641.07	271.15
			For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0044	LF		\$64.00/ton 6' High Stone Retaining Wall, Dry Set	882.53	360.25
			For >3:1 Sloped Soil At Top, Add	13.77	
32 32 53 00-0045	LF		\$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,354.46	563.27
			For >3:1 Sloped Soil At Top, Add	19.37	
32 32 53 00-0046	LF		\$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,768.57	736.82
			For >3:1 Sloped Soil At Top, Add	25.06	
32 32 53 00-0047	LF		\$64.00/ton 12' High Stone Retaining Wall, Dry Set	2,200.72	917.56
			For >3:1 Sloped Soil At Top, Add	31.07	
32 32 53 00-0048	LF		\$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	505.94	201.79
			For >3:1 Sloped Soil At Top, Add	8.70	
32 32 53 00-0049	LF		\$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	600.63	238.75
			For >3:1 Sloped Soil At Top, Add	10.46	
32 32 53 00-0050	LF		\$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	786.88	312.37
			For >3:1 Sloped Soil At Top, Add	13.77	
32 32 53 00-0051	LF		\$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,200.49	486.32
			For >3:1 Sloped Soil At Top, Add	19.37	
32 32 53 00-0052	LF		\$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,552.60	628.88
			For >3:1 Sloped Soil At Top, Add	25.06	
32 32 53 00-0053	LF		\$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,934.32	784.41
			For >3:1 Sloped Soil At Top, Add	31.07	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 35 Screening Devices (32 30)**32 35 16 Sound Barriers** (32 35)**32 35 16 00-0001 Precast Concrete Roadway Sound Barriers And Support Including Caps**

For Columns (32 35 16)

Note: Installed on steel supports. Finish to be determined by owner (ribbed, patterned, stamped, exposed aggregate or smooth)

32 35 16 00-0002 4" Thick (32 35 16 00-0001)

32 35 16 00-0003	LF	6' High x 4" Thick Precast Concrete Sound Walls	195.27	26.04
32 35 16 00-0004	LF	7' High x 4" Thick Precast Concrete Sound Walls	211.12	29.07
32 35 16 00-0005	LF	8' High x 4" Thick Precast Concrete Sound Walls	229.84	31.49
32 35 16 00-0006	LF	9' High x 4" Thick Precast Concrete Sound Walls	245.17	33.91
32 35 16 00-0007	LF	10' High x 4" Thick Precast Concrete Sound Walls	259.31	36.33
32 35 16 00-0008	LF	11' High x 4" Thick Precast Concrete Sound Walls	279.55	37.54
32 35 16 00-0009	LF	12' High x 4" Thick Precast Concrete Sound Walls	299.28	39.36

32 35 16 00-0010 6" Thick (32 35 16 00-0001)

32 35 16 00-0011	LF	6' High x 6" Thick Precast Concrete Sound Walls	233.09	30.28
32 35 16 00-0012	LF	7' High x 6" Thick Precast Concrete Sound Walls	251.97	33.91
32 35 16 00-0013	LF	8' High x 6" Thick Precast Concrete Sound Walls	274.32	37.54
32 35 16 00-0014	LF	9' High x 6" Thick Precast Concrete Sound Walls	292.60	39.97
32 35 16 00-0015	LF	10' High x 6" Thick Precast Concrete Sound Walls	309.46	42.38
32 35 16 00-0016	LF	11' High x 6" Thick Precast Concrete Sound Walls	333.68	44.21
32 35 16 00-0017	LF	12' High x 6" Thick Precast Concrete Sound Walls	357.29	46.02

32 35 16 00-0018 8" Thick (32 35 16 00-0001)

32 35 16 00-0019	LF	6' High x 8" Thick Precast Concrete Sound Walls	281.69	36.33
32 35 16 00-0020	LF	7' High x 8" Thick Precast Concrete Sound Walls	304.43	39.97
32 35 16 00-0021	LF	8' High x 8" Thick Precast Concrete Sound Walls	331.43	43.60
32 35 16 00-0022	LF	9' High x 8" Thick Precast Concrete Sound Walls	353.46	47.23
32 35 16 00-0023	LF	10' High x 8" Thick Precast Concrete Sound Walls	373.84	50.26
32 35 16 00-0024	LF	11' High x 8" Thick Precast Concrete Sound Walls	403.21	52.07
32 35 16 00-0025	LF	12' High x 8" Thick Precast Concrete Sound Walls	431.89	54.50

32 35 16 00-0026 Redwood Top (32 35 16 00-0001)

32 35 16 00-0027	LF	2" x 6" Redwood, Construction Grade/Rough	6.15	1.39
32 35 16 00-0028	LF	2" x 8" Redwood, Construction Grade/Rough	7.08	1.79
32 35 16 00-0029	LF	2" x 10" Redwood, Construction Grade/Rough	10.95	2.21
32 35 16 00-0030	LF	2" x 12" Redwood, Construction Grade/Rough	13.23	2.77
32 35 16 00-0031	LF	2" x 6" Redwood, Con Heart/Smooth	7.57	1.39
32 35 16 00-0032	LF	2" x 8" Redwood, Con Heart/Smooth	10.98	1.79
32 35 16 00-0033	LF	2" x 10" Redwood, Con Heart/Smooth	14.58	2.21
32 35 16 00-0034	LF	2" x 12" Redwood, Con Heart/Smooth	17.53	2.77

32 39 Manufactured Site Specialties (32 30)

Note: Excludes core drilling (where needed), augering, concrete footing and compaction See CSI section 02 41 19 13-0081 for concrete core drilling, 02 41 19 13-0219 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards (32 39)**32 39 13 00-0001 Metal Pipe Bollards** (32 39 13)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	73.00	14.22
		For Galvanized Steel, Add	7.57	
		For 304 Stainless Steel, Add	60.14	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	137.80	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	92.67	
		For Schedule 80, Add	9.53	
		For Concrete Fill, Add Per LF Of Pipe Bollard	10.30	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	98.72	14.22
		For Galvanized Steel, Add	11.95	
		For 304 Stainless Steel, Add	94.86	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	137.80	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	92.67	
		For Schedule 80, Add	13.39	
		For Concrete Fill, Add Per LF Of Pipe Bollard	14.56	



Exterior Improvements			32
Site Improvements			32 30
Manufactured Site Specialties			32 39

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0005 LF 8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	139.78	17.79
For Galvanized Steel, Add	17.72	
For 304 Stainless Steel, Add	140.71	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	180.20	
For Each Sleeve For Removable, Lockable Bollard, Add	204.42	
For Schedule 80, Add	19.19	
For Concrete Fill, Add Per LF Of Pipe Bollard	19.43	
32 39 13 00-0006 LF 10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	185.27	21.33
For Galvanized Steel, Add	24.24	
For 304 Stainless Steel, Add	192.51	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	208.68	
For Each Sleeve For Removable, Lockable Bollard, Add	218.12	
For Schedule 80, Add	25.66	
For Concrete Fill, Add Per LF Of Pipe Bollard	23.78	
32 39 13 00-0007 LF 12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	233.85	28.45
For Galvanized Steel, Add	30.08	
For 304 Stainless Steel, Add	238.91	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	277.33	
For Each Sleeve For Removable, Lockable Bollard, Add	304.47	
For Schedule 80, Add	32.23	
For Concrete Fill, Add Per LF Of Pipe Bollard	27.76	
32 39 13 00-0008 Cast Bollards (32 39 13 00-0001)		
32 39 13 00-0009 EA 36" Cast Aluminum Bollard, Black Powder Coat Finish	1,954.11	85.33
Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0010 EA 36" Cast Aluminum Removable Bollard, Black Powder Coat Finish	3,295.29	85.33
Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
32 39 13 00-0011 EA 36" Cast Iron Bollard, Powder Coat Finish	1,657.60	85.33
Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0012 EA 36" Cast Iron Removable Bollard, Black Powder Coat Finish	3,006.71	85.33
Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
32 39 23 Manufactured Concrete Bollards (32 39)		
32 39 23 00-0001 Concrete Bollards (32 39 23)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 23 00-0002 Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003 EA 12" x 12" x 30" High Concrete Bollard, Light Media Blast	681.46	113.77
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004 EA 12" Diameter x 30" High Concrete Bollard, Light Media Blast	681.46	113.77
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 25 Manufactured Wood Bollards (32 39)		
32 39 25 00-0001 Wood Bollards (32 39 25)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002 Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003 LF 4" x 4", Pressure Treated Wood Bollard	26.25	11.38
For Each Sleeve For Removable, Lockable Bollard, Add	138.79	
32 39 25 00-0004 LF 6" x 6", Pressure Treated Wood Bollard	29.95	11.38
For Each Sleeve For Removable, Lockable Bollard, Add	138.79	
32 39 25 00-0005 LF 8" x 8", Pressure Treated Wood Bollard	38.40	12.80
For Each Sleeve For Removable, Lockable Bollard, Add	219.28	
32 39 25 00-0006 LF 10" x 10", Pressure Treated Wood Bollard	54.09	17.07
For Each Sleeve For Removable, Lockable Bollard, Add	235.69	
32 39 25 00-0007 LF 12" x 12", Pressure Treated Wood Bollard	74.25	22.75
For Each Sleeve For Removable, Lockable Bollard, Add	336.02	
32 39 27 Manufactured Plastic Bollards (32 39)		
32 39 27 00-0001 Plastic Bollards (32 39 27)		
See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 27 00-0002 Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-0003 EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard	367.95	56.88
Note: Includes anchor bolts.		
32 39 27 00-0004 EA 6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	594.22	56.88
32 39 27 00-0005 Plastic Bollard Covers (32 39 27 00-0001)		
32 39 27 00-0006 EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	91.22	12.00
For Reflective Tape, Add	10.67	
32 39 27 00-0007 EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	98.58	13.21
For Reflective Tape, Add	10.67	
32 39 27 00-0008 EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	124.82	12.00
For Reflective Tape, Add	10.67	

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0009 EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe..... <i>For Reflective Tape, Add</i>	124.82 10.67	12.00
32 39 27 00-0010 EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe..... <i>For Reflective Tape, Add</i>	140.51 10.67	12.00
32 39 27 00-0011 EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe..... <i>For Reflective Tape, Add</i>	124.82 10.67	12.00
32 39 27 00-0012 EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe..... <i>For Reflective Tape, Add</i>	127.06 10.67	12.00
32 39 27 00-0013 EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	124.82 10.67	12.00
32 39 27 00-0014 EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	127.06 10.67	12.00
32 39 27 00-0015 EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	178.60 10.67	12.00
32 39 27 00-0016 EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	127.21 10.67	13.21
32 39 27 00-0017 EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	163.06 10.67	13.21
32 39 27 00-0018 EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	185.96 10.67	13.21
32 39 27 00-0019 EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	156.51 10.67	14.41
32 39 27 00-0020 EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe..... <i>For Reflective Tape, Add</i>	169.96 10.67	14.41
32 39 27 00-0021 EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe..... <i>For Reflective Tape, Add</i>	169.96 10.67	14.41
32 39 27 00-0022 EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe..... <i>For Reflective Tape, Add</i>	230.47 10.67	14.41

32 39 29 Manufactured Stone Bollards (32 39)

32 39 29 00-0001 Stone Bollards (32 39 29)
See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 29 00-0002 Granite Bollards (32 39 29 00-0001)

32 39 29 00-0003 EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish.....	1,740.45	142.22
Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0004 EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish.....	2,198.39	199.10
Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0005 EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top.....	1,062.74	142.22
Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0006 EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish.....	1,604.15	113.77
Note: Flat Top, surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0007 EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section.....	2,411.59	113.77
Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.		

32 80 Irrigation (32)**32 84 Planting Irrigation (32 80)****32 84 13 Drip Irrigation (32 84)****32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)****32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)**

32 84 13 00-0003 EA 1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050).....	55.52	13.28
32 84 13 00-0004 EA 1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100).....	87.47	13.28
32 84 13 00-0005 EA 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075).....	85.24	13.28
32 84 13 00-0006 EA 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS).....	115.25	13.28

32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)

32 84 13 00-0008 EA 3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075).....	178.68	13.28
32 84 13 00-0009 EA 1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100).....	180.33	13.28
32 84 13 00-0010 EA 3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX).....	69.47	13.28
32 84 13 00-0011 EA 1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX).....	70.80	13.28
32 84 13 00-0012 EA 1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100).....	194.05	13.28
32 84 13 00-0013 EA 3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY).....	89.34	13.28
32 84 13 00-0014 EA 1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY).....	99.68	13.28

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)

32 84 13 00-0016 EA 3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075).....	68.13	13.28
32 84 13 00-0017 EA 3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075).....	68.13	13.28



Exterior Improvements			32
Irrigation			32 80
Planting Irrigation			32 84

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0018	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075).....	68.13	13.28
32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	79.01	13.28
32 84 13 00-0020			Drip Emitter Irrigation Tubing (32 84 13 00-0001) Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	4.97	1.86
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	4.61	2.12
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100).....	3.92	1.86
			For Shallow Trenching And Backfill By Hand, Add	7.62	
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100).....	4.64	2.12
			For Shallow Trenching And Backfill By Hand, Add	8.26	
32 84 13 00-0025			Drip Emitter Irrigation Fittings (32 84 13 00-0001)		
32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	3.52	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	3.56	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	3.62	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	3.81	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	3.49	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	3.71	
			For Compression Fitting, Add	0.39	
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	3.83	
			For Compression Fitting, Add	0.51	
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	3.88	
			For Compression Fitting, Add	0.56	
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	3.91	
			For Compression Fitting, Add	0.59	
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS).....	4.15	
			For Compression Fitting, Add	0.83	
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	4.42	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	2.18	
32 84 13 00-0038			Drip Emitters (32 84 13 00-0001)		
32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	7.25	
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24).....	8.30	
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056).....	17.43	
32 84 13 00-0042			Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)		
32 84 13 00-0043	EA		Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK).....	28.19	11.95
32 84 13 00-0044	EA		Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK).....	28.25	11.95
32 84 13 00-0045	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	31.17	11.95
32 84 13 00-0046	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	31.48	11.95
32 84 13 00-0047	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL).....	45.66	15.66
			Note: Includes nozzle.		
32 84 13 00-0048	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL).....	49.43	15.66
			Note: Includes nozzle.		
32 84 13 00-0049	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL).....	50.37	15.66
			Note: Includes nozzle.		
32 84 13 00-0050			Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001) Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF		0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	5.28	2.32
32 84 23			Underground Sprinklers (32 84)		
32 84 23 00-0001			Sprinkler Heads (32 84 23)		
32 84 23 00-0002			Spray Sprinkler Heads (32 84 23 00-0001) Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA		2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	40.24	14.67
			For Rotary Nozzle, Add	3.25	
32 84 23 00-0004	EA		4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	38.11	14.67
			For Rotary Nozzle, Add	3.25	
32 84 23 00-0005	EA		6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	46.02	14.67
			For Rotary Nozzle, Add	3.25	
32 84 23 00-0006	EA		12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	52.64	14.67
			For Rotary Nozzle, Add	3.25	
32 84 23 00-0007	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....	41.09	14.67
			For Rotary Nozzle, Add	3.25	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	52.22	14.67
		<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	57.57	14.67
		<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	44.26	14.67
		<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	54.40	14.67
		<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	59.41	14.67
		<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	45.53	14.67
		<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	61.10	14.67
		<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	66.03	14.67
		<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	33.96	14.67
		<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	38.90	14.67
32 84 23 00-0018		Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001) Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	55.88	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	57.64	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0022		3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	51.66	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	70.68	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	55.18	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	73.50	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	56.59	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	59.41	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	77.72	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	89.00	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	59.05	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	70.33	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0033		1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	97.10	14.67
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
		<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	51.86	



Exterior Improvements			32
Irrigation			32 80
Planting Irrigation			32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0035			1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	137.96	14.67
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0037			Impact-Drive Sprinkler Heads (32 84 23 00-0001) Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	77.37	14.67
			For Non-Potable Cover, Add	2.00	
32 84 23 00-0039	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	60.46	14.67
32 84 23 00-0040	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	116.80	14.67
32 84 23 00-0041			Electric Remote Control Irrigation Valves (32 84 23)		
32 84 23 00-0042			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) (32 84 23 00-0041) Note: 15 to 150 PSI.		
32 84 23 00-0043	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	169.65	61.12
32 84 23 00-0044	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	169.65	61.12
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	187.12	69.69
32 84 23 00-0046	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	171.06	61.12
32 84 23 00-0047			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) (32 84 23 00-0041) Note: 15 to 150 PSI.		
32 84 23 00-0048	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	171.06	61.12
32 84 23 00-0049	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	189.23	69.69
32 84 23 00-0050	EA		1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	190.64	69.69
32 84 23 00-0051			0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) (32 84 23 00-0041) Note: 20 to 200 PSI.		
32 84 23 00-0052	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	283.79	61.12
32 84 23 00-0053	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	333.10	61.12
32 84 23 00-0054	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	396.51	61.12
32 84 23 00-0055			5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D).....	406.45	68.70
32 84 23 00-0057	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D).....	455.77	68.70
32 84 23 00-0058	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D).....	519.18	68.70
32 84 23 00-0059			20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D).....	476.90	68.70
32 84 23 00-0061	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D).....	526.22	68.70
32 84 23 00-0062	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D).....	589.63	68.70
32 84 23 00-0063			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	424.05	61.12
32 84 23 00-0065	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	650.79	61.12
32 84 23 00-0066	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	671.29	61.12
32 84 23 00-0067	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,579.67	82.52

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0068			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0041) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	391.16	68.70
32 84 23 00-0070	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	458.58	68.70
32 84 23 00-0071	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	531.79	68.70
32 84 23 00-0072	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	628.17	68.70
32 84 23 00-0073			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	517.89	68.70
32 84 23 00-0075	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	786.91	68.70
32 84 23 00-0076	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	809.96	68.70
32 84 23 00-0077	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,688.73	68.70
32 84 23 00-0078			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B-ACCU-SYNC-ADJ)	526.53	61.12
32 84 23 00-0080	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B-ACCU-SYNC-ADJ)	753.27	61.12
32 84 23 00-0081	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B-ACCU-SYNC-ADJ)	773.77	61.12
32 84 23 00-0082	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B-ACCU-SYNC-ADJ)	1,682.15	82.52
32 84 23 00-0083			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) (32 84 23 00-0041) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	496.84	68.70
32 84 23 00-0085	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	564.27	68.70
32 84 23 00-0086	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	637.47	68.70
32 84 23 00-0087	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	733.85	68.70
32 84 23 00-0088			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	620.37	68.70
32 84 23 00-0090	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	889.39	68.70
32 84 23 00-0091	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	912.44	68.70
32 84 23 00-0092	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	1,791.21	68.70
32 84 23 00-0093			Other Electric Remote Control Valves/Accessories (32 84 23 00-0041)		
32 84 23 00-0094	EA		Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	154.58	
32 84 23 00-0095			Remote Control Valve Assemblies (32 84 23 00-0041) Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096	EA		1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	600.34	152.81
32 84 23 00-0097	EA		1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	649.66	152.81
32 84 23 00-0098	EA		2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	713.07	152.81



Exterior Improvements			32
Irrigation			32 80
Planting Irrigation			32 84

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0099 EA 1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	670.80	152.81
32 84 23 00-0100 EA 1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	720.12	152.81
32 84 23 00-0101 EA 2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	783.53	152.81
32 84 23 00-0102 EA 1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	690.74	152.81
32 84 23 00-0103 EA 1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	831.37	152.81
32 84 23 00-0104 EA 2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	927.75	152.81
32 84 23 00-0105 Irrigation Valve Boxes (32 84 23) Note: Includes lid.		
32 84 23 00-0106 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	103.31	44.01
32 84 23 00-0107 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	119.95	44.01
32 84 23 00-0108 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	157.36	57.95
32 84 23 00-0109 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	264.87	84.59
32 84 23 00-0110 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	270.19	84.59
32 84 23 00-0111 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	308.36	84.59
32 84 23 00-0112 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	312.90	84.59
32 84 23 00-0113 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	531.00	84.59
32 84 23 00-0114 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	813.49	84.59
32 84 23 00-0115 EA Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid..... For 12" Extension, Add	474.92 102.96	139.78
32 84 23 00-0116 EA Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid	752.43 102.96	139.78
32 84 23 00-0117 EA 12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12).....	216.49	73.35
32 84 23 00-0118 EA 15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12).....	310.76	84.59
32 84 23 00-0119 EA 10" Round Irrigation Valve Box With Lid (Carson 910-10).....	167.57	57.95
32 84 23 00-0120 Irrigation Controllers (32 84 23) See CSI section 27 15 13 00-0256 for low voltage wiring.		
32 84 23 00-0121 Irrigation Controllers (32 84 23 00-0120)		
32 84 23 00-0122 Irrigation Controllers (Rain Bird®) (32 84 23 00-0121)		
32 84 23 00-0123 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) (32 84 23 00-0122)		
32 84 23 00-0124 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0123)		
32 84 23 00-0125 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) (32 84 23 00-0124)		
32 84 23 00-0126 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	412.54	37.31
32 84 23 00-0127 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	576.07	37.31
32 84 23 00-0128 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	739.61	37.31
32 84 23 00-0129 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	903.14	37.31
32 84 23 00-0130 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,029.37	37.31
32 84 23 00-0131 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,197.57	37.31
32 84 23 00-0132 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,365.77	37.31
32 84 23 00-0133 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0124)		
32 84 23 00-0134 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	484.61	37.31
32 84 23 00-0135 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	648.15	37.31
32 84 23 00-0136 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	811.69	37.31
32 84 23 00-0137 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	975.22	37.31
32 84 23 00-0138 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,101.45	37.31
32 84 23 00-0139 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,269.65	37.31
32 84 23 00-0140 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,437.84	37.31
32 84 23 00-0141 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0123)		
32 84 23 00-0142 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0141)		
32 84 23 00-0143 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	662.90	37.31
32 84 23 00-0144 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	826.43	37.31
32 84 23 00-0145 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	989.97	37.31

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0146 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,153.51	37.31
32 84 23 00-0147 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,279.74	37.31
32 84 23 00-0148 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,447.94	37.31
32 84 23 00-0149 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,616.13	37.31
32 84 23 00-0150 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0141)		
32 84 23 00-0151 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	716.91	37.31
32 84 23 00-0152 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	880.44	37.31
32 84 23 00-0153 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,043.98	37.31
32 84 23 00-0154 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,207.51	37.31
32 84 23 00-0155 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,333.74	37.31
32 84 23 00-0156 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,501.94	37.31
32 84 23 00-0157 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,670.13	37.31
32 84 23 00-0158 Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0123)		
32 84 23 00-0159 EA 3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	168.19	
32 84 23 00-0160 EA 6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	321.36	
32 84 23 00-0161 EA Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	461.63	
32 84 23 00-0162 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0122)		
32 84 23 00-0163 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0162)		
32 84 23 00-0164 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	981.79	37.31
32 84 23 00-0165 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,188.07	37.31
32 84 23 00-0166 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,397.83	37.31
32 84 23 00-0167 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,604.10	37.31
32 84 23 00-0168 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,813.87	37.31
32 84 23 00-0169 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,020.14	37.31
32 84 23 00-0170 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,229.91	37.31
32 84 23 00-0171 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,436.19	37.31
32 84 23 00-0172 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,645.94	37.31
32 84 23 00-0173 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,852.22	37.31
32 84 23 00-0174 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0162)		
32 84 23 00-0175 EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	985.25	37.31
32 84 23 00-0176 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,191.51	37.31
32 84 23 00-0177 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,401.29	37.31
32 84 23 00-0178 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,607.56	37.31
32 84 23 00-0179 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,817.33	37.31
32 84 23 00-0180 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,023.60	37.31
32 84 23 00-0181 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,233.36	37.31
32 84 23 00-0182 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,439.63	37.31
32 84 23 00-0183 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,649.41	37.31
32 84 23 00-0184 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,855.67	37.31
32 84 23 00-0185 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	3,065.44	37.31
32 84 23 00-0186 Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0162)		
32 84 23 00-0187 EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	731.18	
32 84 23 00-0188 EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMPED + LXMM)..... Note: Excludes concrete foundation.	1,698.29	
32 84 23 00-0189 EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	1,613.78	
32 84 23 00-0190 EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS)..... Note: Excludes concrete foundation.	3,585.84	
32 84 23 00-0191 EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4)..... Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	206.27	
32 84 23 00-0192 EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8)..... Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	416.04	
32 84 23 00-0193 EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12)..... Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	646.34	
32 84 23 00-0194 EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	240.63	



Exterior Improvements			32
Irrigation			32 80
Planting Irrigation			32 84

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0195	Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0122)		
32 84 23 00-0196	Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0195)		
32 84 23 00-0197	EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	478.93	37.31
32 84 23 00-0198	EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	577.40	37.31
32 84 23 00-0199	EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	714.93	37.31
32 84 23 00-0200	Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0195)		
32 84 23 00-0201	EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	611.70	
32 84 23 00-0202	EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	120.03	27.97
32 84 23 00-0203	Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0122)		
32 84 23 00-0204	EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDDBEX).....	169.58	27.97
32 84 23 00-0205	EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	349.05	27.97
32 84 23 00-0206	EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	370.02	27.97
32 84 23 00-0207	EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	551.78	27.97
32 84 23 00-0208	Two-Wire Decoder Systems (32 84 23 00-0120)		
32 84 23 00-0209	Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0208)		
32 84 23 00-0210	Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0209) Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,854.86	37.31
32 84 23 00-0212	EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	4,049.46	37.31
32 84 23 00-0213	EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	5,244.04	37.31
32 84 23 00-0214	Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)		
32 84 23 00-0215	EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	348.72	37.31
32 84 23 00-0216	EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	444.27	37.31
32 84 23 00-0217	EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	665.76	37.31
32 84 23 00-0218	EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	813.92	37.31
32 84 23 00-0219	EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	1,350.68	37.31
32 84 23 00-0220	Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)		
32 84 23 00-0221	EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	2,117.29	
32 84 23 00-0222	EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,194.58	
32 84 23 00-0223	EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	263.35	32.64
32 84 23 00-0224	EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,203.07	37.31
32 84 23 00-0225	Calsense Controllers (32 84 23 00-0120)		
32 84 23 00-0226	Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0227	EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	2,886.16	93.26
32 84 23 00-0228	EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	3,725.65	104.91
32 84 23 00-0229	EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	5,117.62	116.57
32 84 23 00-0230	EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	5,632.44	116.57
32 84 23 00-0231	EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	6,660.28	128.22
32 84 23 00-0232	EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	8,041.49	128.22
32 84 23 00-0233	EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	9,106.98	139.88
32 84 23 00-0234	EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	10,199.40	139.88
32 84 23 00-0235	EA Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	2,947.01	46.63
32 84 23 00-0236	EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE).....	1,234.76	46.63
32 84 23 00-0237	Irrigation Controller Accessories (32 84 23 00-0225)		
32 84 23 00-0238	EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	120.54	
32 84 23 00-0239	EA Spare Lock For Enclosures (Calsense PAD)	130.59	
32 84 23 00-0240	EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L).....	153.91	11.66
32 84 23 00-0241	EA Transformer For Irrigation Controllers (Calsense TR-1)	218.82	46.63
32 84 23 00-0242	EA AC Line Protection For Irrigation Controllers (Calsense TP-110)	608.08	46.63
32 84 23 00-0243	EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1).....	808.98	46.63
	For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	362.44	
32 84 23 00-0244	Sensors For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0245	Flow Sensors (32 84 23 00-0244)		
32 84 23 00-0246	EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,420.64	69.95
	For Flow Meter Replacement Insert Only, Deduct	-1,032.38	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0247 EA 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2) <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,470.87 -1,082.61	69.95
32 84 23 00-0248 EA 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3) <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,521.10 -1,132.84	69.95
32 84 23 00-0249 EA 1" Brass Tee Mounted Flow Meter (Calsense FM 1B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,680.73 -1,292.16	93.26
32 84 23 00-0250 EA 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,806.30 -1,417.73	93.26
32 84 23 00-0251 EA 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,856.52 -1,467.95	93.26
32 84 23 00-0252 EA 2" Brass Tee Mounted Flow Meter (Calsense FM 2B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	2,182.99 -1,666.24	93.26
32 84 23 00-0253 EA 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)..... Note: For 4" and larger pipe. Excludes pipe saddle. <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,700.49 -1,183.73	46.63
32 84 23 00-0254 Moisture Sensors (32 84 23 00-0244)		
32 84 23 00-0255 EA Soil Moisture Sensor (Calsense 1000-S).....	597.32	34.97
32 84 23 00-0256 Weather Sensors (32 84 23 00-0244)		
32 84 23 00-0257 EA Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	1,630.51	93.26
32 84 23 00-0258 EA Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	1,867.25	186.51
32 84 23 00-0259 EA ET Gage, Irrigation Weather Sensor (Calsense ETG).....	3,732.80	139.88
32 84 23 00-0260 Weather Sensor Accessories (32 84 23 00-0244)		
32 84 23 00-0261 EA Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	1,097.78	
32 84 23 00-0262 EA Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,077.19	
32 84 23 00-0263 EA Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	1,097.78	46.63
32 84 23 00-0264 EA Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	2,545.37	46.63
32 84 23 00-0265 Antennas For Irrigation Controllers (32 84 23 00-0225) Note: Excludes antenna cable.		
32 84 23 00-0266 EA Local Radio Dome Antenna (Calsense LR-DOME)	570.41	46.63
32 84 23 00-0267 EA Local Radio Stick Antenna (Calsense LR-STICK)	834.09	46.63
32 84 23 00-0268 EA Local Radio Yagi Antenna (Calsense LR-YAGI)	927.34	93.26
32 84 23 00-0269 EA Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	570.41	46.63
32 84 23 00-0270 EA Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	570.41	46.63
32 84 23 00-0271 EA GPRS Stubby Antenna (Calsense GR-STUBBY).....	570.41	46.63
32 84 23 00-0272 EA GPRS Stick Antenna (Calsense GR-STICK)	834.09	46.63
32 84 23 00-0273 EA Spread Spectrum Dome Antenna (Calsense SR-DOME).....	570.41	46.63
32 84 23 00-0274 EA Spread Spectrum Stick Antenna (Calsense SR-STICK).....	834.09	46.63
32 84 23 00-0275 EA Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	927.34	93.26
32 84 23 00-0276 EA Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	570.41	46.63
32 84 23 00-0277 EA Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	570.41	46.63
32 84 23 00-0278 EA Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	570.41	46.63
32 84 23 00-0279 EA WiFi Stubby Antenna (Calsense WEN-STUBBY).....	570.41	46.63
32 84 23 00-0280 LF Antenna Cable With End Connectors (Calsense LMR-400-DB).....	15.69	0.56
32 84 23 00-0281 EA Surge Protection Device For Antenna (Calsense ANT-PROT).....	574.00	23.32
32 84 23 00-0282 EA 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIPS).....	934.55	46.63
32 84 23 00-0283 EA 3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM).....	816.17	
32 84 23 00-0284 EA Local Radio Frequency Filter (Calsense LR-FILTER).....	1,155.20	
32 84 23 00-0285 EA Spread Spectrum Frequency Filter (Calsense SR-FILTER)	853.84	
32 84 23 00-0286 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0287 EA 15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	516.58	69.95
32 84 23 00-0288 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,260.49	116.57
32 84 23 00-0289 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)..... Note: Includes GFI and receptacle.	1,411.69	46.63
32 84 23 00-0290 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)..... Note: Includes factory installed transient protection board and AC line protection.	1,689.74	34.97
32 84 23 00-0291 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE)..... Note: Includes factory installed transient protection board and AC line protection.	5,307.72	34.97
32 84 23 00-0292 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R)..... Note: Includes factory installed transient protection board, AC line protection and dome antenna.	5,996.62	34.97
32 84 23 00-0293 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)..... Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	8,697.71	69.95
32 84 23 00-0294 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)	9,117.21	69.95
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0295 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	297.28	
32 84 23 00-0296 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	961.46	
32 84 23 00-0297 Central Computer For Irrigation Control Systems (32 84 23 00-0225)		



Exterior Improvements			32
Irrigation			32 80
Planting Irrigation			32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0298	EA		Central Computer For Irrigation Control Systems (Calsense COMP-2).....6,691.13 Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0299	EA		Command Center Water Management Software For Central Computer (Calsense COMM-1).....11,850.71		
32 84 23 00-0300	EA		Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....2,272.55 Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0301	EA		>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10).....4,479.82 Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0302	EA		Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2) 7,214.77		
32 84 23 00-0303	EA		GPRS Radio For Use At Central Computer (Calsense DTR-G) 4,314.87		
32 84 23 00-0304			Data Access Service (32 84 23 00-0225)		
32 84 23 00-0305	EA		1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN).....36.53 Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0306	EA		1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR).....399.52 Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0307	EA		5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR).....1,712.25 Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0308	EA		1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M).....148.40 Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0309	EA		1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M).....1,598.10 Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0310	EA		5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M).....6,849.00 Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0311			Communication Options For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0312	EA		FCC License Fee (Calsense).....240.69		
32 84 23 00-0313	EA		P.C.I.A. And/or A.P.C.O. Fee (Calsense) 468.99 Note: Per frequency or frequency pair.		
32 84 23 00-0314	EA		Hardware Communication Option For Irrigation Controllers (Calsense M) 1,324.14 Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0315	EA		Phone Line Communication Option For Irrigation Controllers (Calsense R).....1,392.63		
32 84 23 00-0316	EA		Ethernet Communication Option For Irrigation Controllers (Calsense EN) 1,392.63		
32 84 23 00-0317	EA		WiFi Communication Option For Irrigation Controllers (Calsense WEN) 2,853.75		
32 84 23 00-0318	EA		Local Radio Communication Option For Irrigation Controllers (Calsense LR).....3,629.97		
32 84 23 00-0319	EA		Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR) 3,629.97		
32 84 23 00-0320	EA		GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....3,629.97		
32 84 23 00-0321	EA		Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM) 11,643.30		
32 84 23 00-0322	EA		Communication Hub For Irrigation Controllers (Calsense HUB) 4,481.36 Note: Accepts up to two communication options. Excludes communication options.		
32 84 23 00-0323			Retrofit Options For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0324			Weather Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0325	EA		Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO) 1,771.26		
32 84 23 00-0326	EA		Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO) 1,771.26		
32 84 23 00-0327	EA		Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO) 1,771.26		
32 84 23 00-0328	EA		Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO) 1,771.26		
32 84 23 00-0329			Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0330	EA		Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO) 1,862.58		
32 84 23 00-0331	EA		Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....2,205.04		
32 84 23 00-0332	EA		Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO).....3,540.59		
32 84 23 00-0333			Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0334	EA		Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO) 2,090.88		
32 84 23 00-0335	EA		Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....4,419.54		
32 84 23 00-0336	EA		Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....5,743.68		
32 84 23 00-0337			Spread Spectrum Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0338	EA		Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....2,090.88		
32 84 23 00-0339	EA		Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR- RETRO).....4,419.54		
32 84 23 00-0340	EA		Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO) 5,743.68		
32 84 23 00-0341			Ethernet Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0342	EA		Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro).....2,090.88		

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0343 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO).....	2,205.04	
32 84 23 00-0344 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	3,540.59	
32 84 23 00-0345 GPRS Radio Modem Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0346 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	2,090.88	
32 84 23 00-0347 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO).....	4,419.54	
32 84 23 00-0348 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO).....	5,743.68	
32 84 23 00-0349 Radio Remote Units For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0350 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN).....	2,102.30	
32 84 23 00-0351 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe).....	452.03	
Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.		
32 84 23 00-0352 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	194.06	
32 84 23 00-0353 EA Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	342.94	
32 84 23 00-0354 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT).....	217.38	11.66
Note: Excludes antenna cable.		
32 84 23 00-0355 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP).....	422.84	11.66
Note: Excludes antenna cable.		
32 84 23 00-0356 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome).....	457.09	11.66
Note: Excludes antenna cable.		
32 84 23 00-0357 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0120)		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0358 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	4,916.60	209.83
32 84 23 00-0359 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,184.97	221.49
32 84 23 00-0360 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,212.40	233.14
32 84 23 00-0361 LEIT Controllers (32 84 23 00-0120)		
32 84 23 00-0362 LEIT X Series Irrigation Controller (32 84 23 00-0361)		
32 84 23 00-0363 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	4,628.83	37.31
32 84 23 00-0364 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	5,079.57	37.31
32 84 23 00-0365 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	5,811.67	37.31
32 84 23 00-0366 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	6,543.76	37.31
32 84 23 00-0367 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	7,059.80	37.31
32 84 23 00-0368 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	7,575.84	37.31
32 84 23 00-0369 LEIT X Series Irrigation Controller Assembly (32 84 23 00-0361)		
Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0370 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	5,217.90	194.10
32 84 23 00-0371 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	5,668.66	194.10
32 84 23 00-0372 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	6,400.74	194.10
32 84 23 00-0373 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	7,132.84	194.10
32 84 23 00-0374 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	7,648.88	194.10
32 84 23 00-0375 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	8,164.93	194.10
32 84 23 00-0376 Enclosure For LEIT Controller Assembly (32 84 23 00-0361)		
Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0377 EA 12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch.....	3,531.88	258.38
Note: For LEIT Controller		
32 84 23 00-0378 Hunter Controllers (32 84 23 00-0120)		
32 84 23 00-0379 Hunter XC Hybrid Controller (32 84 23 00-0378)		
Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0380 EA 6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS).....	758.96	93.26
32 84 23 00-0381 EA 12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS).....	965.92	116.57
32 84 23 00-0382 DC Latching Solenoid (32 84 23 00-0120)		
32 84 23 00-0383 EA DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers	41.93	
Note: As per manufacture of valve.		
32 84 23 00-0384 EA DC Solenoid For LEIT Controllers (DIG S-305DC)	66.26	
32 84 23 00-0385 Irrigation Controller Enclosure Cabinet (32 84 23 00-0120)		
Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0386 EA 35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,366.09	512.54
32 84 23 00-0387 EA 35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,631.69	559.13
32 84 23 00-0388 EA 35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	4,015.84	605.73
32 84 23 00-0389 EA 35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet, ...	3,366.12	512.54
32 84 23 00-0390 EA 35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,631.69	559.13
32 84 23 00-0391 EA 35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	4,015.84	605.73
32 84 23 00-0392 EA 35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,193.12	512.54
32 84 23 00-0393 EA 35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,562.06	559.13
32 84 23 00-0394 EA 35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,946.21	605.73
32 84 23 00-0395 Irrigation Valves (32 84 23)		
32 84 23 00-0396 Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0395)		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0397 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	924.78	50.45
32 84 23 00-0398 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,097.20	61.61
32 84 23 00-0399 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,658.82	71.70
32 84 23 00-0400 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,753.63	82.32
32 84 23 00-0401 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,103.87	106.21
32 84 23 00-0402 Brass Quick-Coupling Irrigation Valves (32 84 23 00-0395)		
32 84 23 00-0403 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	187.98	44.01
For Valve Key, Add		
	51.78	
32 84 23 00-0404 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	193.97	44.01
For Locking Cover, Add		
	25.00	
For Valve Key, Add		
	51.78	
32 84 23 00-0405 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC).....	259.85	44.01
For Valve Key, Add		
	132.46	
32 84 23 00-0406 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	283.80	44.01
For Valve Key, Add		
	132.46	
32 84 23 00-0407 EA 1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	272.53	44.01
32 84 23 00-0408 EA 1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	283.80	44.01
32 84 23 00-0409 Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0395)		
Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0410 EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	320.35	37.17
32 84 23 00-0411 EA 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	458.69	42.48
32 84 23 00-0412 EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	831.36	49.12
32 84 23 00-0413 EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	1,012.54	54.44
32 84 23 00-0414 EA 2" Anti-Siphon Pressure Type Vacuum Breaker	1,021.56	66.39
32 84 23 00-0415 Aluminum Cam And Groove Adapter (32 84 23 00-0395)		
32 84 23 00-0416 EA 1-1/2" Diameter Type A Aluminum Cam And Groove Male Adapter x 1-1/2" Diameter NPT Female Pipe Thread.....	46.98	
32 84 23 00-0417 EA 2" Diameter Type A Aluminum Cam And Groove Male Adapter x 2" Diameter NPT Female Pipe Thread	49.61	
32 84 23 00-0418 EA 1-1/2" Diameter Type F Aluminum Cam And Groove Male Adapter x 1-1/2" Diameter NPT Male Pipe Thread	48.28	
32 84 23 00-0419 EA 2" Diameter Type F Aluminum Cam And Groove Male Adapter x 2" Diameter NPT Male Pipe Thread	52.05	
32 84 23 00-0420 Manual Sprinkler Control Valves (32 84 23 00-0395)		
32 84 23 00-0421 EA 3/4" Manual Sprinkler Control Valves, With Union	109.73	35.84
32 84 23 00-0422 EA 1" Manual Sprinkler Control Valves, With Union	133.71	38.50
32 84 23 00-0423 EA 1-1/4" Manual Sprinkler Control Valves, With Union	204.19	48.73
32 84 23 00-0424 EA 1-1/2" Manual Sprinkler Control Valves, With Union	241.93	56.17
32 84 23 00-0425 EA 2" Manual Sprinkler Control Valves, With Union	323.78	66.39
32 84 23 00-0426 Irrigation Piping (32 84 23)		
32 84 23 00-0427 Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0426)		
Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
32 84 23 00-0428 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0427)		
32 84 23 00-0429 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.51	1.22
For >1,000, Deduct		
	-0.18	
32 84 23 00-0430 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.28	1.53
For >1,000, Deduct		
	-0.21	
32 84 23 00-0431 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.14	1.83
For >1,000, Deduct		
	-0.26	
32 84 23 00-0432 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.79	2.32
For >1,000, Deduct		
	-0.34	
32 84 23 00-0433 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.49	2.91
For >1,000, Deduct		
	-0.42	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0434	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.75	3.40
		<i>For >1,000, Deduct</i>	-0.54	
32 84 23 00-0435	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.77	4.89
		<i>For >1,000, Deduct</i>	-0.74	
32 84 23 00-0436	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.21	6.11
		<i>For >1,000, Deduct</i>	-0.96	
32 84 23 00-0437	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	27.11	7.64
		<i>For >1,000, Deduct</i>	-1.36	
32 84 23 00-0438		Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0427)		
32 84 23 00-0439	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.06	1.53
		<i>For >1,000, Deduct</i>	-0.20	
32 84 23 00-0440	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.78	1.83
		<i>For >1,000, Deduct</i>	-0.24	
32 84 23 00-0441	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	6.53	2.32
		<i>For >1,000, Deduct</i>	-0.33	
32 84 23 00-0442	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	8.28	2.91
		<i>For >1,000, Deduct</i>	-0.41	
32 84 23 00-0443	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	10.42	3.40
		<i>For >1,000, Deduct</i>	-0.52	
32 84 23 00-0444	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.65	4.89
		<i>For >1,000, Deduct</i>	-0.73	
32 84 23 00-0445	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.89	6.11
		<i>For >1,000, Deduct</i>	-0.99	
32 84 23 00-0446	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	31.41	7.64
		<i>For >1,000, Deduct</i>	-1.57	
32 84 23 00-0447		Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0427)		
32 84 23 00-0448	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.24	1.53
		<i>For >1,000, Deduct</i>	-0.21	
32 84 23 00-0449	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.03	1.83
		<i>For >1,000, Deduct</i>	-0.25	
32 84 23 00-0450	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	7.01	2.32
		<i>For >1,000, Deduct</i>	-0.35	
32 84 23 00-0451	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	9.07	2.91
		<i>For >1,000, Deduct</i>	-0.45	
32 84 23 00-0452	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	11.68	3.40
		<i>For >1,000, Deduct</i>	-0.58	
32 84 23 00-0453	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.77	4.89
		<i>For >1,000, Deduct</i>	-0.74	
32 84 23 00-0454	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.21	6.11
		<i>For >1,000, Deduct</i>	-0.96	
32 84 23 00-0455	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	27.53	7.64
		<i>For >1,000, Deduct</i>	-1.38	
32 84 23 00-0456		Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted (32 84 23 00-0426)		
		Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.		
32 84 23 00-0457		Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0456)		
32 84 23 00-0458	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.47	1.53
		<i>For >1,000, Deduct</i>	-0.32	
32 84 23 00-0459	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.34	1.83
		<i>For >1,000, Deduct</i>	-0.37	
32 84 23 00-0460	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.99	2.32
		<i>For >1,000, Deduct</i>	-0.45	
32 84 23 00-0461	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.69	2.91
		<i>For >1,000, Deduct</i>	-0.53	
32 84 23 00-0462	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.93	3.40
		<i>For >1,000, Deduct</i>	-0.65	
32 84 23 00-0463	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.96	4.89
		<i>For >1,000, Deduct</i>	-0.85	
32 84 23 00-0464	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.39	6.11
		<i>For >1,000, Deduct</i>	-1.07	
32 84 23 00-0465	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	29.30	7.64
		<i>For >1,000, Deduct</i>	-1.47	
32 84 23 00-0466		Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0456)		
32 84 23 00-0467	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.74	1.53
		<i>For >1,000, Deduct</i>	-0.34	
32 84 23 00-0468	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.61	1.83
		<i>For >1,000, Deduct</i>	-0.38	
32 84 23 00-0469	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.26	2.32
		<i>For >1,000, Deduct</i>	-0.46	



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0470 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	10.95 -0.55	2.91
32 84 23 00-0471 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	13.20 -0.66	3.40
32 84 23 00-0472 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	17.23 -0.86	4.89
32 84 23 00-0473 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	21.65 -1.08	6.11
32 84 23 00-0474 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	29.56 -1.48	7.64
32 84 23 00-0475 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0456)		
32 84 23 00-0476 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	7.00 -0.35	1.53
32 84 23 00-0477 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	7.88 -0.39	1.83
32 84 23 00-0478 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	9.52 -0.48	2.32
32 84 23 00-0479 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	11.22 -0.56	2.91
32 84 23 00-0480 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	13.47 -0.67	3.40
32 84 23 00-0481 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	17.50 -0.88	4.89
32 84 23 00-0482 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	21.92 -1.10	6.11
32 84 23 00-0483 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	29.83 -1.49	7.64
32 84 23 00-0484 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0456)		
32 84 23 00-0485 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted For >1,000, Deduct	6.35 -0.32	1.53
32 84 23 00-0486 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted For >1,000, Deduct	7.15 -0.36	1.83
32 84 23 00-0487 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted For >1,000, Deduct	9.00 -0.45	2.32
32 84 23 00-0488 LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted For >1,000, Deduct	11.07 -0.55	2.91
32 84 23 00-0489 LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted For >1,000, Deduct	13.55 -0.68	3.40
32 84 23 00-0490 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted For >1,000, Deduct	16.83 -0.84	4.89
32 84 23 00-0491 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted For >1,000, Deduct	22.08 -1.10	6.11
32 84 23 00-0492 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted For >1,000, Deduct	33.61 -1.68	7.64
32 84 23 00-0493 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0456)		
32 84 23 00-0494 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	6.62 -0.33	1.53
32 84 23 00-0495 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	7.42 -0.37	1.83
32 84 23 00-0496 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	9.27 -0.46	2.32
32 84 23 00-0497 LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	11.33 -0.57	2.91
32 84 23 00-0498 LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	13.82 -0.69	3.40
32 84 23 00-0499 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	17.10 -0.86	4.89
32 84 23 00-0500 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	22.34 -1.12	6.11
32 84 23 00-0501 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	33.87 -1.69	7.64
32 84 23 00-0502 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0456)		
32 84 23 00-0503 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	6.88 -0.34	1.53

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0504	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	7.69	1.83
		<i>For >1,000, Deduct</i>	-0.38	
32 84 23 00-0505	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted.....	9.53	2.32
		<i>For >1,000, Deduct</i>	-0.48	
32 84 23 00-0506	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	11.60	2.91
		<i>For >1,000, Deduct</i>	-0.58	
32 84 23 00-0507	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	14.09	3.40
		<i>For >1,000, Deduct</i>	-0.70	
32 84 23 00-0508	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	17.37	4.89
		<i>For >1,000, Deduct</i>	-0.87	
32 84 23 00-0509	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	22.61	6.11
		<i>For >1,000, Deduct</i>	-1.13	
32 84 23 00-0510	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	34.14	7.64
		<i>For >1,000, Deduct</i>	-1.71	
32 84 23 00-0511 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0456)				
32 84 23 00-0512	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	6.43	1.53
		<i>For >1,000, Deduct</i>	-0.32	
32 84 23 00-0513	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	7.22	1.83
		<i>For >1,000, Deduct</i>	-0.36	
32 84 23 00-0514	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	9.21	2.32
		<i>For >1,000, Deduct</i>	-0.46	
32 84 23 00-0515	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	11.26	2.91
		<i>For >1,000, Deduct</i>	-0.56	
32 84 23 00-0516	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	13.87	3.40
		<i>For >1,000, Deduct</i>	-0.69	
32 84 23 00-0517	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	16.96	4.89
		<i>For >1,000, Deduct</i>	-0.85	
32 84 23 00-0518	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	21.39	6.11
		<i>For >1,000, Deduct</i>	-1.07	
32 84 23 00-0519	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	29.72	7.64
		<i>For >1,000, Deduct</i>	-1.49	
32 84 23 00-0520 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0456)				
32 84 23 00-0521	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	6.70	1.53
		<i>For >1,000, Deduct</i>	-0.34	
32 84 23 00-0522	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.49	1.83
		<i>For >1,000, Deduct</i>	-0.37	
32 84 23 00-0523	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	9.48	2.32
		<i>For >1,000, Deduct</i>	-0.47	
32 84 23 00-0524	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	11.52	2.91
		<i>For >1,000, Deduct</i>	-0.58	
32 84 23 00-0525	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	14.14	3.40
		<i>For >1,000, Deduct</i>	-0.71	
32 84 23 00-0526	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	17.23	4.89
		<i>For >1,000, Deduct</i>	-0.86	
32 84 23 00-0527	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	21.65	6.11
		<i>For >1,000, Deduct</i>	-1.08	
32 84 23 00-0528	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	29.98	7.64
		<i>For >1,000, Deduct</i>	-1.50	
32 84 23 00-0529 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0456)				
32 84 23 00-0530	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.96	1.53
		<i>For >1,000, Deduct</i>	-0.35	
32 84 23 00-0531	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	7.76	1.83
		<i>For >1,000, Deduct</i>	-0.39	
32 84 23 00-0532	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.74	2.32
		<i>For >1,000, Deduct</i>	-0.49	
32 84 23 00-0533	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	11.79	2.91
		<i>For >1,000, Deduct</i>	-0.59	
32 84 23 00-0534	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	14.41	3.40
		<i>For >1,000, Deduct</i>	-0.72	
32 84 23 00-0535	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	17.50	4.89
		<i>For >1,000, Deduct</i>	-0.88	
32 84 23 00-0536	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	21.92	6.11
		<i>For >1,000, Deduct</i>	-1.10	



Exterior Improvements			32
Irrigation			32 80
Planting Irrigation			32 84

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0537	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	30.25 -1.51	7.64
32 84 23 00-0538 Irrigation Riser Piping With Fittings (32 84 23 00-0426)				
32 84 23 00-0539	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	20.79	3.66
32 84 23 00-0540	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.35	4.59
32 84 23 00-0541	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.24	4.28
32 84 23 00-0542	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	24.15	5.34
32 84 23 00-0543	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	44.29	6.42
32 84 23 00-0544	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	47.00	8.02
32 84 23 00-0545	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	52.02	8.25
32 84 23 00-0546	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	55.51	10.32
32 84 23 00-0547	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	59.75	10.08
32 84 23 00-0548	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	64.03	12.61
32 84 23 00-0549 Irrigation Crossover Piping With Fittings (32 84 23 00-0426)				
Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0593 for irrigation wiring.				
32 84 23 00-0550 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench (32 84 23 00-0549)				
32 84 23 00-0551	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation For >1,000, Deduct	37.96 -1.90	
32 84 23 00-0552	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation For >1,000, Deduct	52.56 -2.63	
32 84 23 00-0553	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation For >1,000, Deduct	71.25 -3.56	
32 84 23 00-0554	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation For >1,000, Deduct	93.19 -4.66	
32 84 23 00-0555 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench (32 84 23 00-0549)				
32 84 23 00-0556	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	38.76 -1.94	
32 84 23 00-0557	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	53.45 -2.67	
32 84 23 00-0558	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	72.23 -3.61	
32 84 23 00-0559	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	94.25 -4.71	
32 84 23 00-0560 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench (32 84 23 00-0549)				
32 84 23 00-0561	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation For >1,000, Deduct	39.56 -1.98	
32 84 23 00-0562	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	54.34 -2.72	
32 84 23 00-0563	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	73.20 -3.66	
32 84 23 00-0564	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	95.32 -4.77	
32 84 23 00-0565 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore (32 84 23 00-0549)				
32 84 23 00-0566	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation For >1,000, Deduct	97.92 -4.90	
32 84 23 00-0567	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation For >1,000, Deduct	124.65 -6.23	
32 84 23 00-0568	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation For >1,000, Deduct	149.32 -7.47	
32 84 23 00-0569	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation For >1,000, Deduct	177.23 -8.86	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0570		Below Ground Cam Adapter Assembly (32 84 23 00-0426) Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0571	EA	Below Ground Cam Adapter Assembly.....	803.99	
		Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0572		Above Ground Cam Adapter Assembly (32 84 23 00-0426) Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0573	EA	Above Ground Cam Adapter Assembly.....	498.89	
		Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0574		Thrust Block (32 84 23 00-0426)		
32 84 23 00-0575	EA	Thrust Block For 1-1/2" Pipe Size And Smaller.....	41.31	
32 84 23 00-0576	EA	Thrust Block For 2" Pipe.....	70.93	
32 84 23 00-0577	EA	Thrust Block For 3" And 4" Pipe.....	100.55	
32 84 23 00-0578	EA	Thrust Block For 6" Pipe.....	160.56	
32 84 23 00-0579	EA	Thrust Block For 8" Pipe.....	228.34	
32 84 23 00-0580		Irrigation Swing Joints (32 84 23)		
32 84 23 00-0581	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075).....	71.72	24.33
32 84 23 00-0582	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12).....	81.60	27.16
32 84 23 00-0583	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	109.79	27.16
32 84 23 00-0584	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	51.11	31.71
		Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.		
32 84 23 00-0585	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	68.29	42.30
		Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.		
32 84 23 00-0586	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	85.93	51.87
		Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.		
32 84 23 00-0587	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	72.70	32.20
		Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0588	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	96.12	42.72
		Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0589	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	118.24	52.40
		Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0590	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	41.17	19.72
		Note: Consists of two street 90-degree elbows.		
32 84 23 00-0591	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	55.03	26.30
		Note: Consists of two street 90-degree elbows.		
32 84 23 00-0592	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	65.42	32.61
		Note: Consists of two street 90-degree elbows.		
32 84 23 00-0593		Irrigation Control Wire (32 84 23) Note: Excludes excavation and backfill.		
32 84 23 00-0594		18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0593)		
32 84 23 00-0595	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	57.80	18.34
32 84 23 00-0596	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	75.64	21.40
32 84 23 00-0597	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	87.04	24.45
32 84 23 00-0598	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	99.61	27.51
32 84 23 00-0599	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	113.33	30.57
32 84 23 00-0600	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	135.31	33.62
32 84 23 00-0601	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	156.37	36.67
32 84 23 00-0602	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	169.90	39.73
32 84 23 00-0603	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	186.51	42.78
32 84 23 00-0604	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	205.56	45.84
32 84 23 00-0605	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	212.82	48.90
32 84 23 00-0606	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	221.27	51.95
32 84 23 00-0607	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	233.46	55.01
32 84 23 00-0608		16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0593)		
32 84 23 00-0609	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench.....	60.92	18.34
32 84 23 00-0610		14 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0593)		
32 84 23 00-0611	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench.....	60.93	18.34
32 84 23 00-0612		12 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0593)		



Exterior Improvements			32
Irrigation			32 80
Planting Irrigation			32 84

32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0613	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	81.56	18.34
32 84 23 00-0614		10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0593)		
32 84 23 00-0615	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	107.71	18.34
32 84 23 00-0616		Root Watering Systems (32 84 23)		
		Note: Includes swing assembly.		
32 84 23 00-0617	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	116.13	24.45
		For Root Watering Sand Sock, Add	6.04	
32 84 23 00-0618	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	125.46	24.45
		For Root Watering Sand Sock, Add	6.04	
32 84 23 00-0619	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	116.13	24.45
		For Root Watering Sand Sock, Add	6.04	
32 84 23 00-0620	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	125.46	24.45
		For Root Watering Sand Sock, Add	6.04	
32 84 23 00-0621	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	125.46	24.45
		For Root Watering Sand Sock, Add	6.04	
32 84 23 00-0622	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	100.76	21.40
		For Root Watering Sand Sock, Add	5.43	
32 84 23 00-0623	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	109.71	21.40
		For Root Watering Sand Sock, Add	5.43	
32 84 23 00-0624	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	100.76	21.40
		For Root Watering Sand Sock, Add	5.43	
32 84 23 00-0625	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	109.71	21.40
		For Root Watering Sand Sock, Add	5.43	
32 84 23 00-0626	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	67.52	18.34
		For Root Watering Sand Sock, Add	4.82	
32 84 23 00-0627	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	76.04	18.34
		For Root Watering Sand Sock, Add	4.82	

32 90 Planting (32)

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varieties. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation (32 90)

32 91 13 Soil Preparation (32 91)

32 91 13 16 Mulching (32 91 13)

32 91 13 16-0001 Mulch (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pine Bark Nugget Mulch	125.59	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-10.07	
		For >20 To 50, Deduct	-15.11	
		For >50, Deduct	-21.39	
32 91 13 16-0003	CY	Hardwood Bark Nugget Mulch	123.60	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-9.97	
		For >20 To 50, Deduct	-14.96	
		For >50, Deduct	-21.14	
32 91 13 16-0004	CY	Pine Wood Chip Mulch	119.62	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-9.77	
		For >20 To 50, Deduct	-14.66	
		For >50, Deduct	-20.64	
32 91 13 16-0005	CY	Hardwood Chip Mulch	127.58	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-10.17	
		For >20 To 50, Deduct	-15.26	
		For >50, Deduct	-21.63	
32 91 13 16-0006	CY	Shredded Hardwood Mulch	127.58	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-10.17	
		For >20 To 50, Deduct	-15.26	
		For >50, Deduct	-21.63	
32 91 13 16-0007	CY	Shredded Pine Mulch	109.67	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-9.28	
		For >20 To 50, Deduct	-13.91	
		For >50, Deduct	-19.40	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0008	CY	Shredded Cedar Mulch.....	148.48	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-11.22	
		For >20 To 50, Deduct	-16.82	
		For >50, Deduct	-24.25	
32 91 13 16-0009	CY	Shredded Cypress Mulch.....	145.49	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-11.07	
		For >20 To 50, Deduct	-16.60	
		For >50, Deduct	-23.87	
32 91 13 16-0010	CY	Shredded Redwood Mulch.....	153.45	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-11.46	
		For >20 To 50, Deduct	-17.20	
		For >50, Deduct	-24.87	
32 91 13 16-0011	CY	Pea Gravel Mulch	129.67	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-10.28	
		For >20 To 50, Deduct	-15.41	
		For >50, Deduct	-21.90	
32 91 13 16-0012	CY	Chunk Recycled Tire Mulch	236.04	
		For Work On Slopes >2.5:1, Add	19.34	
		For >5 To 20, Deduct	-16.64	
		For >20 To 50, Deduct	-24.96	
		For >50, Deduct	-36.76	
32 91 13 16-0013	CY	Chunk Colored Recycled Tire Mulch	373.37	
		For Work On Slopes >2.5:1, Add	19.34	
		For >5 To 20, Deduct	-23.50	
		For >20 To 50, Deduct	-35.26	
		For >50, Deduct	-53.93	
32 91 13 16-0014	CY	Shredded Recycled Tire Mulch.....	375.36	
		For Work On Slopes >2.5:1, Add	19.34	
		For >5 To 20, Deduct	-23.60	
		For >20 To 50, Deduct	-35.41	
		For >50, Deduct	-54.17	
32 91 13 16-0015	CY	Shredded Colored Recycled Tire Mulch	650.02	
		For Work On Slopes >2.5:1, Add	19.34	
		For >5 To 20, Deduct	-37.34	
		For >20 To 50, Deduct	-56.01	
		For >50, Deduct	-88.51	
32 91 13 16-0016	EA	Pine Straw Mulch Bale.....	11.13	
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
		For Work On Slopes >2.5:1, Add	0.84	
		For >100 To 250, Deduct	-0.77	
		For >250 To 500, Deduct	-0.97	
		For >500, Deduct	-1.32	
32 91 13 16-0017	EA	Wheat Straw Mulch Bale.....	11.31	
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
		For Work On Slopes >2.5:1, Add	0.63	
		For >100 To 250, Deduct	-0.72	
		For >250 To 500, Deduct	-0.88	
		For >500, Deduct	-1.29	
32 91 13 16-0018	CY	Stone/Gravel Mulch, Marble Chips	312.70	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-19.43	
		For >20 To 50, Deduct	-29.14	
		For >50, Deduct	-44.77	
32 91 13 16-0019	CY	Stone Mulch, Decomposed Granite Chips	141.60	
		For Work On Slopes >2.5:1, Add	15.17	
		For >5 To 20, Deduct	-10.87	
		For >20 To 50, Deduct	-16.31	
		For >50, Deduct	-23.39	
32 91 13 16-0020		Compost Soil Amendment (AgriService) (32 91 13 16)		
		Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles.		
32 91 13 16-0021	CY	Humic Compost (OIM)	96.87	
		Note: (Agri Service or Equal)		
		For Work On Slopes >2.5:1, Add	15.17	
		For >100 To 1,000, Deduct	-16.22	
		For >1,000, Deduct	-24.85	
32 91 13 26		Planting Beds (32 91 13)		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0001		Plant Bed Preparation (32 91 13 26)		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine	1.19	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	0.24	



Exterior Improvements			32
Planting			32 90
Planting Preparation			32 91

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0003	SF		>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i>	1.37 0.27	
32 91 13 26-0004	SF		>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i>	1.62 0.32	
32 91 13 26-0005	SF		Up To 8" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i>	5.39 1.08	
32 91 13 26-0006	SF		>8" To 13" Deep, Prepare And Mix Plant Bed By Hand..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i>	6.20 1.24	
32 91 13 26-0007	SF		>13" To 18" Deep, Prepare And Mix Plant Bed By Hand..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i>	7.28 1.46	
32 91 13 26-0008 Plant Bed Preparation With Humic Compost (32 91 13 26)					
32 91 13 26-0009	SF		Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF)..... Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. <i>For Work On Slopes >2.5:1, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.31 0.25 -0.19 -0.31 -0.63 -0.88	
32 91 13 26-0010	SF		Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF)..... Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. <i>For Work On Slopes >2.5:1, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.64 0.30 -0.23 -0.38 -0.76 -1.07	
32 91 13 26-0011	SF		Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF)..... Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. <i>For Work On Slopes >2.5:1, Add</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.95 0.35 -0.26 -0.44 -0.89 -1.25	
32 91 13 26-0012 Planting Pit Preparation (32 91 13 26)					
			Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013	CY		Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i>	93.26 18.65	
32 91 13 26-0014	CY		Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i>	186.51 37.30	
32 91 13 26-0015	CY		Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i>	15.00 3.00	
32 91 13 26-0016	CY		Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i>	19.51 3.90	
32 91 13 26-0017	CY		Backfill Planting Pit By Hand With Topsoil From Stockpile <i>For Work On Slopes >2.5:1, Add</i>	82.87 16.57	
32 91 13 26-0018	CY		Backfill Planting Pit By Hand With Contractor Furnished Planting Mix <i>For Work On Slopes >2.5:1, Add</i>	129.73 15.08	
32 91 13 26-0019	CY		Backfill Planting Pit By Machine, With Topsoil From Stockpile <i>For Work On Slopes >2.5:1, Add</i>	8.11 1.62	
32 91 13 26-0020	CY		Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix <i>For Work On Slopes >2.5:1, Add</i>	74.28 3.99	
32 91 13 26-0021 Weed Barrier (32 91 13 26)					
32 91 13 26-0022	SY		Up To 3 Oz./SY Non-Woven, Polypropylene Weed Barrier <i>For Work On Slopes >2.5:1, Add</i>	2.46 0.15	
32 91 13 26-0023	SY		4 Oz./SY Woven, Polypropylene Weed Barrier..... <i>For Work On Slopes >2.5:1, Add</i>	3.34 0.15	
32 91 13 26-0024	SY		5 Oz./SY Woven, Needle Punched Polypropylene Weed Barrier <i>For Work On Slopes >2.5:1, Add</i>	3.73 0.15	
32 91 13 33 Soil Conditioners (32 91 13)					
32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)					

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 33-0002	SY	Aluminum Sulfate 1 Lb./SY, Push Spreader	0.48	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 Lb./MSF Tractor Spreader	46.40	
32 91 13 33-0004	MSF	Fertilizer, 20 Lb./MSF, Push Spreader	7.85	
32 91 13 33-0005	MSF	Fertilizer, 20 Lb./MSF, Tractor Spread	3.37	
32 91 13 33-0006	MSF	Fertilizer, 20 Lb./MSF, Truck Spread	5.85	
32 91 13 33-0007	SY	Pelletized Lime, 1 Lb./SY, Push Spreader	0.11	
32 91 13 33-0008	MSF	Pelitized Lime, 110 Lb./MSF, Tractor Spreader	8.73	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	4.22	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	439.40	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	3.92	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	429.22	
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 0.10 Lb./SY, Push Spreader	0.23	
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 Lb./MSF, Tractor Spreader	21.06	
32 91 13 36 Lawn Bed Preparation (32 91 13)				
32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)				
32 91 13 36-0002	MSF	Rake Topsoil With Machine	93.37	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	74.59	
32 91 13 36-0004	MSF	Screen Loam By Hand	49.73	
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.20	
32 91 13 36-0006	SY	Roll Topsoil By Hand	3.33	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	11.04	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	34.19	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	57.78	
		<i>For >45 to 225, Deduct</i>	-40.45	
		<i>For >225, Deduct</i>	-52.00	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	96.31	
		<i>For >45 to 225, Deduct</i>	-67.42	
		<i>For >225, Deduct</i>	-86.68	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	5.19	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	10.52	
		<i>For Work On Slopes >2.5:1, Add</i>	2.10	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.79	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.95	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.19	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	1.32	
32 91 13 36-0017 Sod Removal (32 91 13 36)				
32 91 13 36-0018	SY	Removal Of Sod By Hand	6.29	
		<i>For Work On Slopes >2.5:1, Add</i>	1.26	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.70	
		<i>For Work On Slopes >2.5:1, Add</i>	0.14	
32 91 13 36-0020	SY	Pile Sod By Hand	3.73	
		<i>For Work On Slopes >2.5:1, Add</i>	0.75	
32 91 13 36-0021	SY	Pile Sod With Machine	1.31	
		<i>For Work On Slopes >2.5:1, Add</i>	0.26	
32 91 19 Landscape Grading (32 91)				
32 91 19 13 Topsoil Placement and Grading (32 91 19)				
32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)				
32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	5.39	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	5.34	
32 91 19 13-0004 Screening Topsoil (32 91 19 13)				
32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	11.71	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	7.81	
32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)				
32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	8.91	
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	71.18	
32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)				
Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0043 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.				
32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	4.29	
		<i>For Unscreened, Deduct</i>	-0.57	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	8.23	
		<i>For Unscreened, Deduct</i>	-1.14	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	11.92	
		<i>For Unscreened, Deduct</i>	-1.71	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	17.24	
		<i>For Unscreened, Deduct</i>	-2.56	



Exterior Improvements		32
Planting		32 90
Planting Preparation		32 91

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0015	SY		Furnish And Place Imported Screened Topsoil, 12" Deep..... <i>For Unscreened, Deduct</i>	22.53 -3.42	
32 91 19 13-0016	CY		Furnish And Place Imported Screened Topsoil, Over 12" Deep <i>For Unscreened, Deduct</i>	62.24 -10.25	
32 91 19 13-0017			Scarify Soil For Planting Preparation (32 91 19 13) Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 13-0018	MSF		Up To 5,000 SF Scarify Up To 8" Soil With Machine.....	70.17	
32 91 19 13-0019	MSF		>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	49.11	
32 91 19 13-0020	MSF		>20,000 SF Scarify Up To 8" Soil With Machine.....	28.78	
32 92 Turf and Grasses (32 90)					
32 92 16 Plugging (32 92)					
32 92 16 00-0001			Bermuda Or Centipede Plugging, 1" Deep (32 92 16) Note: Includes fine grade and soil preparation.		
32 92 16 00-0002			6" On Center Plugging (32 92 16 00-0001)		
32 92 16 00-0003	MSF		Plugging By Hand, 6" On Center	239.99	
32 92 16 00-0004	MSF		Plugging By Walk Behind Planter, 6" On Center	32.32	
32 92 16 00-0005	MSF		Plugging By Towed Planter, 6" On Center	23.87	
32 92 16 00-0006			9" On Center Plugging (32 92 16 00-0001)		
32 92 16 00-0007	MSF		Plugging By Hand, 9" On Center	184.14	
32 92 16 00-0008	MSF		Plugging By Walk Behind Planter, 9" On Center	25.34	
32 92 16 00-0009	MSF		Plugging By Towed Planter, 9" On Center	17.90	
32 92 16 00-0010			12" On Center Plugging (32 92 16 00-0001)		
32 92 16 00-0011	MSF		Plugging By Hand, 12" On Center	155.14	
32 92 16 00-0012	MSF		Plugging By Walk Behind Planter, 12" On Center	17.19	
32 92 16 00-0013	MSF		Plugging By Towed Planter, 12" On Center	11.46	
32 92 19 Seeding (32 92)					
32 92 19 13 Mechanical Seeding (32 92 19)					
Note: Includes fertilizing, liming, mixing, seeding and initial watering.					
32 92 19 13-0001			Tractor Spreader Mechanical Seeding (32 92 19 13) Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 13-0002	MSF		Common Bluegrass, Tractor Spreader Note: 4 Lbs./MSF spread rate.	48.26	
32 92 19 13-0003	MSF		Tall Fescue, Tractor Spreader Note: 5.5 Lbs./MSF spread rate.	38.39	
32 92 19 13-0004	MSF		Rye, Tractor Spreader Note: 10 Lbs./MSF spread rate.	39.09	
32 92 19 13-0005	MSF		Shade Mix, Tractor Spreader..... Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	42.65	
32 92 19 13-0006	MSF		Turf Mix, Tractor Spreader..... Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	45.20	
32 92 19 13-0007	MSF		Slope Mix, Tractor Spreader..... Note: 6 Lbs./MSF spread rate.	41.79	
32 92 19 13-0008	MSF		Utility Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	37.55	
32 92 19 13-0009	MSF		Wild Flower Mix, Tractor Spreader Note: 0.10 Lbs./MSF spread rate.	29.54	
32 92 19 13-0010	MSF		Crown Vetch Mix, Tractor Spreader..... Note: 4 Lbs./MSF spread rate.	92.87	
32 92 19 13-0011	MSF		Athletic Mix, Tractor Spreader Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	55.41	
32 92 19 13-0012	MSF		White Clover Mix, Tractor Spreader..... Note: 7 Lbs./MSF spread rate.	29.45	
32 92 19 13-0013	MSF		Ladino Clover Mix, Tractor Spreader..... Note: 7 Lbs./MSF spread rate.	32.86	
32 92 19 13-0014			Hydro Or Air Mechanical Seeding (32 92 19 13)		
32 92 19 13-0015	MSF		Common Bluegrass, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate.	98.01	
			<i>For Spot Areas Up To 1, Add</i>	103.94	
			<i>For >1 To 4, Add</i>	66.68	
			<i>For >4 To 7.5, Add</i>	45.11	
			<i>For >7.5 To 10, Add</i>	22.56	
			<i>For >45, Deduct</i>	-7.84	
			<i>For Tackifier, Add</i>	4.46	

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0016 MSF Tall Fescue, Hydro Or Air Seeding 103.96 Note: 5.5 Lbs./MSF spread rate. For Spot Areas Up To 1, Add 106.32 For >1 To 4, Add 67.87 For >4 To 7.5, Add 45.71 For >7.5 To 10, Add 22.85 For >45, Deduct -8.14 For Tackifier, Add 4.46		
32 92 19 13-0017 MSF Rye, Hydro Or Air Spread 98.26 Note: 10 Lbs./MSF spread rate. For Spot Areas Up To 1, Add 104.04 For >1 To 4, Add 66.73 For >4 To 7.5, Add 45.14 For >7.5 To 10, Add 22.57 For >45, Deduct -7.86 For Tackifier, Add 4.46		
32 92 19 13-0018 MSF Shade Mix, Hydro Or Air Seeding 98.01 Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass. For Spot Areas Up To 1, Add 103.94 For >1 To 4, Add 66.68 For >4 To 7.5, Add 45.11 For >7.5 To 10, Add 22.56 For >45, Deduct -7.84 For Tackifier, Add 4.46		
32 92 19 13-0019 MSF Turf Mix, Hydro Or Air Seeding 103.96 Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass. For Spot Areas Up To 1, Add 106.32 For >1 To 4, Add 67.87 For >4 To 7.5, Add 45.71 For >7.5 To 10, Add 22.85 For >45, Deduct -8.14 For Tackifier, Add 4.46		
32 92 19 13-0020 MSF Slope Mix, Hydro Or Air Seeding 101.41 Note: 6 Lbs./MSF spread rate. For Spot Areas Up To 1, Add 105.30 For >1 To 4, Add 67.36 For >4 To 7.5, Add 45.45 For >7.5 To 10, Add 22.73 For >45, Deduct -8.01 For Tackifier, Add 4.46		
32 92 19 13-0021 MSF Utility Mix, Hydro Or Air Seeding 99.35 Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass. For Spot Areas Up To 1, Add 104.48 For >1 To 4, Add 66.95 For >4 To 7.5, Add 45.25 For >7.5 To 10, Add 22.62 For >45, Deduct -7.91 For Tackifier, Add 4.46		
32 92 19 13-0022 MSF Wild Flower Mix, Hydro Or Air Seeding 92.72 Note: 0.10 Lbs./MSF spread rate. For Spot Areas Up To 1, Add 101.82 For >1 To 4, Add 65.62 For >4 To 7.5, Add 44.58 For >7.5 To 10, Add 22.29 For >45, Deduct -7.58 For Tackifier, Add 4.46		
32 92 19 13-0023 MSF Crown Vetch Mix, Hydro Or Air Seeding 152.48 Note: 4 Lbs./MSF spread rate. For Spot Areas Up To 1, Add 125.73 For >1 To 4, Add 77.58 For >4 To 7.5, Add 50.56 For >7.5 To 10, Add 25.28 For >45, Deduct -10.57 For Tackifier, Add 4.46		
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding 133.77 Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass. For Spot Areas Up To 1, Add 118.24 For >1 To 4, Add 73.83 For >4 To 7.5, Add 48.69 For >7.5 To 10, Add 24.34 For >45, Deduct -9.63 For Tackifier, Add 4.46		
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding 84.64 Note: 7 Lbs./MSF spread rate. For Spot Areas Up To 1, Add 98.59 For >1 To 4, Add 64.01 For >4 To 7.5, Add 43.77 For >7.5 To 10, Add 21.89 For >45, Deduct -7.17 For Tackifier, Add 4.46		



Exterior Improvements		32
Planting		32 90
Turf and Grasses		32 92

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding.....	94.60	
			Note: 7 Lbs./MSF spread rate.		
			For Spot Areas Up To 1, Add	102.58	
			For >1 To 4, Add	66.00	
			For >4 To 7.5, Add	44.77	
			For >7.5 To 10, Add	22.39	
			For >45, Deduct	-7.67	
			For Tackifier, Add	4.46	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	99.71	
			Note: 4 Lbs./MSF spread rate.		
			For Spot Areas Up To 1, Add	104.62	
			For >1 To 4, Add	67.02	
			For >4 To 7.5, Add	45.28	
			For >7.5 To 10, Add	22.64	
			For >45, Deduct	-7.93	
			For Tackifier, Add	4.46	
32 92 19 13-0028	MSF		2,500 Lb./Acre, High Performance - Flexible Growth Medium.....	124.45	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-7.69	
32 92 19 13-0029	MSF		3,000 Lb./Acre, High Performance - Flexible Growth Medium.....	144.95	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-8.79	
32 92 19 13-0030	MSF		3,500 Lb./Acre, High Performance - Flexible Growth Medium.....	165.52	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-9.90	
32 92 19 13-0031	MSF		4,000 Lb./Acre, High Performance - Flexible Growth Medium.....	186.12	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-11.01	
32 92 19 13-0032	MSF		4,500 Lb./Acre, High Performance - Flexible Growth Medium.....	206.83	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-12.13	
32 92 19 19 Seeding by Hand (32 92 19)					
Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0017 for wheat straw mulch.					
32 92 19 19-0001 Push Spreader Or Hand Seeding (32 92 19 19)					
Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.					
32 92 19 19-0002	MSF		Common Bluegrass, Push Spreader Or Hand.....	116.73	
			Note: 4 Lbs./MSF spread rate.		
			For >5 To 20, Deduct	-8.17	
			For >20 To 45, Deduct	-15.75	
			For >45, Deduct	-25.66	
32 92 19 19-0003	MSF		Tall Fescue, Push Spreader Or Hand.....	106.86	
			Note: 5.5 Lbs./MSF spread rate.		
			For >5 To 20, Deduct	-7.67	
			For >20 To 45, Deduct	-15.01	
			For >45, Deduct	-24.67	
32 92 19 19-0004	MSF		Rye, Push Spreader Or Hand.....	107.56	
			Note: 10 Lbs./MSF spread rate.		
			For >5 To 20, Deduct	-7.71	
			For >20 To 45, Deduct	-15.06	
			For >45, Deduct	-24.74	
32 92 19 19-0005	MSF		Shade Mix, Push Spreader Or Hand.....	111.12	
			Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
			For >5 To 20, Deduct	-7.89	
			For >20 To 45, Deduct	-15.33	
			For >45, Deduct	-25.10	
32 92 19 19-0006	MSF		Turf Mix, Push Spreader Or Hand.....	113.67	
			Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
			For >5 To 20, Deduct	-8.01	
			For >20 To 45, Deduct	-15.52	
			For >45, Deduct	-25.35	
32 92 19 19-0007	MSF		Slope Mix, Push Spreader Or Hand.....	110.26	
			Note: 6 Lbs./MSF spread rate.		
			For >5 To 20, Deduct	-7.84	
			For >20 To 45, Deduct	-15.26	
			For >45, Deduct	-25.01	
32 92 19 19-0008	MSF		Utility Mix, Push Spreader Or Hand.....	106.02	
			Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
			For >5 To 20, Deduct	-7.63	
			For >20 To 45, Deduct	-14.94	
			For >45, Deduct	-24.59	
32 92 19 19-0009	MSF		Wild Flower Mix, Push Spreader Or Hand.....	98.01	
			Note: 0.10 Lbs./MSF spread rate.		
			For >5 To 20, Deduct	-7.23	
			For >20 To 45, Deduct	-14.34	
			For >45, Deduct	-23.79	
32 92 19 19-0010	MSF		Crown Vetch Mix, Push Spreader Or Hand.....	161.34	
			Note: 4 Lbs./MSF spread rate.		
			For >5 To 20, Deduct	-10.40	
			For >20 To 45, Deduct	-19.09	
			For >45, Deduct	-30.12	

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0011 MSF Athletic Mix, Push Spreader Or Hand 123.88 Note: 8 Lbs./MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass. For >5 To 20, Deduct -8.53 For >20 To 45, Deduct -16.28 For >45, Deduct -26.37		
32 92 19 19-0012 MSF White Clover Mix, Push Spreader Or Hand 97.92 Note: 7 Lbs./MSF spread rate. For >5 To 20, Deduct -7.23 For >20 To 45, Deduct -14.34 For >45, Deduct -23.78		
32 92 19 19-0013 MSF Ladino Clover Mix, Push Spreader Or Hand 101.33 Note: 7 Lbs./MSF spread rate. For >5 To 20, Deduct -7.40 For >20 To 45, Deduct -14.59 For >45, Deduct -24.12		
32 92 19 19-0014 MSF 100% Kentucky Bluegrass, Push Spreader Or Hand 118.35 Note: 3.3 Lbs./MSF spread rate. For >5 To 20, Deduct -8.25 For >20 To 45, Deduct -15.87 For >45, Deduct -25.82		
32 92 19 19-0015 MSF 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand 113.67 Note: 3.3 Lbs./MSF spread rate. For >5 To 20, Deduct -8.01 For >20 To 45, Deduct -15.52 For >45, Deduct -25.35		
32 92 19 19-0016 MSF 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand 110.26 Note: 3.3 Lbs./MSF spread rate. For >5 To 20, Deduct -7.84 For >20 To 45, Deduct -15.26 For >45, Deduct -25.01		
32 92 19 19-0017 MSF 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand 117.07 Note: 4.4 Lbs./MSF spread rate. For >5 To 20, Deduct -8.18 For >20 To 45, Deduct -15.77 For >45, Deduct -25.69		
32 92 19 19-0018 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand 111.97 Note: 3.3 Lbs./MSF spread rate. For >5 To 20, Deduct -7.93 For >20 To 45, Deduct -15.39 For >45, Deduct -25.18		
32 92 19 19-0019 MSF 40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand 113.67 Note: 3.3 Lbs./MSF spread rate. For >5 To 20, Deduct -8.01 For >20 To 45, Deduct -15.52 For >45, Deduct -25.35		

32 92 23 Sodding (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Bermuda Sod (32 92 23)

32 92 23 00-0002 MSF Up To 1,000 SF, Bermuda Sod, Installed On Level Ground 1,609.09	
32 92 23 00-0003 MSF >1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground 1,358.47	
32 92 23 00-0004 MSF >4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground 1,156.71	
32 92 23 00-0005 MSF >8,000 SF, Bermuda Sod, Installed On Level Ground 1,013.50	
32 92 23 00-0006 MSF Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes 1,975.87	
32 92 23 00-0007 MSF >1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes 1,668.99	
32 92 23 00-0008 MSF >4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes 1,370.93	
32 92 23 00-0009 MSF >8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes 1,195.67	

32 92 23 00-0010 Zoysia Sod (32 92 23)

32 92 23 00-0011 MSF Up To 1,000 SF, Zoysia Sod, Installed On Level Ground 2,329.28	
32 92 23 00-0012 MSF >1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground 1,896.78	
32 92 23 00-0013 MSF >4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground 1,605.31	
32 92 23 00-0014 MSF >8,000 SF, Zoysia Sod, Installed On Level Ground 1,372.38	
32 92 23 00-0015 MSF Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes 2,693.63	
32 92 23 00-0016 MSF >1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes 2,207.30	
32 92 23 00-0017 MSF >4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes 1,819.53	
32 92 23 00-0018 MSF >8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes 1,554.55	

32 92 23 00-0019 Tall Fescue Sod (32 92 23)

32 92 23 00-0020 MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground 2,296.05 For Hybrid Fescue "Marathon", Add 152.70	
32 92 23 00-0021 MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground 1,871.86 For Hybrid Fescue "Marathon", Add 115.08	
32 92 23 00-0022 MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground 1,584.54 For Hybrid Fescue "Marathon", Add 96.27	
32 92 23 00-0023 MSF >8,000 SF, Tall Fescue Sod, Installed On Level Ground 1,355.76 For Hybrid Fescue "Marathon", Add 77.45	



Exterior Improvements			32
Planting			32 90
Turf and Grasses			32 92

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0024	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	2,660.40	
		For Hybrid Fescue "Marathon", Add	.....	152.70	
32 92 23 00-0025	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	2,182.38	
		For Hybrid Fescue "Marathon", Add	.....	115.08	
32 92 23 00-0026	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,798.76	
		For Hybrid Fescue "Marathon", Add	.....	96.27	
32 92 23 00-0027	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,537.93	
		For Hybrid Fescue "Marathon", Add	.....	77.45	
32 92 23 00-0028 Centipede Sod (32 92 23)					
32 92 23 00-0029	MSF	Up To 1,000 SF, Centipede Sod, Installed On Level Ground	.....	2,051.81	
32 92 23 00-0030	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground	.....	1,688.69	
32 92 23 00-0031	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground	.....	1,431.89	
32 92 23 00-0032	MSF	>8,000 SF, Centipede Sod, Installed On Level Ground	.....	1,233.65	
32 92 23 00-0033	MSF	Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	2,416.16	
32 92 23 00-0034	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,999.21	
32 92 23 00-0035	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,646.11	
32 92 23 00-0036	MSF	>8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,415.82	
32 92 23 00-0037 Kentucky Blue Grass Sod (32 92 23)					
32 92 23 00-0038	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	.....	1,953.97	
32 92 23 00-0039	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	.....	1,615.30	
32 92 23 00-0040	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	.....	1,370.74	
32 92 23 00-0041	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	.....	1,184.73	
32 92 23 00-0042	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	2,318.32	
32 92 23 00-0043	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,925.82	
32 92 23 00-0044	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,584.96	
32 92 23 00-0045	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,366.90	
32 92 23 00-0046 Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar (32 92 23)					
32 92 23 00-0047	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	.....	1,807.21	
32 92 23 00-0048	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	.....	1,505.23	
32 92 23 00-0049	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	.....	1,279.01	
32 92 23 00-0050	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	.....	1,111.34	
32 92 23 00-0051	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	2,171.56	
32 92 23 00-0052	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,815.75	
32 92 23 00-0053	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,493.23	
32 92 23 00-0054	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,293.51	
32 92 23 00-0055 GN-1 Sod (32 92 23)					
32 92 23 00-0056	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Level Ground	.....	2,315.24	
32 92 23 00-0057	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground	.....	1,886.25	
32 92 23 00-0058	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground	.....	1,596.53	
32 92 23 00-0059	MSF	>8,000 SF, GN-1 Sod, Installed On Level Ground	.....	1,365.36	
32 92 23 00-0060	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	2,679.59	
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	2,196.77	
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,810.75	
32 92 23 00-0063	MSF	>8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,547.53	
32 92 23 00-0064 Tifgreen Bermuda Sod (32 92 23)					
32 92 23 00-0065	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	.....	2,426.25	
32 92 23 00-0066	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	.....	1,969.52	
32 92 23 00-0067	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	.....	1,665.92	
32 92 23 00-0068	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	.....	1,420.87	
32 92 23 00-0069	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	2,790.60	
32 92 23 00-0070	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	2,280.04	
32 92 23 00-0071	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,880.14	
32 92 23 00-0072	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	.....	1,603.04	
32 93 Plants (32 90)					
32 93 13 Ground Covers (32 93)					
Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of ground cover.					
32 93 13 00-0001 Ornamental Grasses (32 93 13)					
32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	.....	36.60	
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	.....	67.65	
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	.....	122.95	
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	.....	223.77	
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	.....	28.01	
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	.....	37.25	
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	.....	39.87	
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass	.....	27.94	
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	.....	37.25	
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	.....	90.12	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0012	EA		1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	35.36	
32 93 13 00-0013	EA		3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	45.83	
32 93 13 00-0014	EA		5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	87.62	
32 93 13 00-0015	EA		1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	32.82	
32 93 13 00-0016	EA		3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	51.60	
32 93 13 00-0017	EA		5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	88.31	
32 93 13 00-0018	EA		1 Quart, Pennisetum setaceum - Fountain Grass	30.55	
32 93 13 00-0019	EA		1 Gallon, Pennisetum setaceum - Fountain Grass	31.59	
32 93 13 00-0020	EA		3 Gallon, Pennisetum setaceum - Fountain Grass	69.69	
32 93 13 00-0021	EA		1 Gallon, Saccharum ravennae - Ravenna Grass	96.74	
32 93 13 00-0022	EA		3 Gallon, Saccharum ravennae - Ravenna Grass	108.67	
32 93 13 00-0023	EA		7 Gallon, Saccharum ravennae - Ravenna Grass	179.28	
32 93 13 00-0024	EA		1 Gallon, Spartina pectinata - Variegated Cord Grass	52.53	
32 93 13 00-0025	EA		2 Gallon, Spartina pectinata - Variegated Cord Grass	78.62	
32 93 13 00-0026	EA		1 Quart, Stipa gigantea - Giant Feather Grass	40.10	
32 93 13 00-0027	EA		1 Gallon, Stipa gigantea - Giant Feather Grass	55.87	
32 93 13 00-0028 Ground Covers (32 93 13)					
32 93 13 00-0029	EA		1 Gallon Agave Attenuata - Century Plant	12.72	
32 93 13 00-0030	EA		5 Gallon Agave Attenuata - Century Plant	34.30	
32 93 13 00-0031	EA		15 Gallon Agave Attenuata - Century Plant	113.42	
32 93 13 00-0032	EA		1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	10.85	
32 93 13 00-0033	EA		5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	30.21	
32 93 13 00-0034	EA		1 Gallon Ceanothus 'Yankee Point' - Wild Lilac	10.85	
32 93 13 00-0035	EA		5 Gallon Ceanothus 'Yankee Point' - Wild Lilac	28.22	
32 93 13 00-0036	EA		1 Gallon Dietes Vegata - Fortnight Lily	9.52	
32 93 13 00-0037	EA		5 Gallon Dietes Vegata - Fortnight Lily	23.46	
32 93 13 00-0038	EA		1 Gallon Juncus Patens 'Elk Blue' - California Gray Rush	17.68	
32 93 13 00-0039	EA		5 Gallon Juncus Patens 'Elk Blue' - California Gray Rush	46.45	
32 93 13 00-0040	EA		4" Pot Miscanthus 'Morning Light' - NCN	13.26	
32 93 13 00-0041	EA		20 Count Flat Miscanthus 'Morning Light' - NCN	195.54	
32 93 13 00-0042	EA		1 Gallon Nassella Tenuissima - Mexican Feather Grass	17.68	
32 93 13 00-0043	EA		1 Gallon Trachelospermum Jasminoides - Star Jasmine	9.61	
32 93 13 00-0044	EA		5 Gallon Trachelospermum Jasminoides - Star Jasmine	24.09	
32 93 13 00-0045	EA		1 Gallon Westringia Fruticosa - Coast Rosemary	9.52	
32 93 13 00-0046	EA		5 Gallon Westringia Fruticosa - Coast Rosemary	23.46	
32 93 13 00-0047	EA		15 Gallon Westringia Fruticosa - Coast Rosemary	96.27	
32 93 13 00-0048	EA		1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	46.99	
32 93 13 00-0049	EA		1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	61.18	
32 93 13 00-0050	EA		2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	77.44	
32 93 13 00-0051	EA		1 Quart Waldsteinia ternata - Barren Strawberry	13.30	
32 93 13 00-0052	EA		1 Gallon Waldsteinia ternata - Barren Strawberry	31.92	
32 93 13 00-0053	EA		1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	43.44	
32 93 13 00-0054	EA		2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	82.45	
32 93 13 00-0055	EA		5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	145.41	
32 93 13 00-0056	EA		1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	14.88	
32 93 13 00-0057	EA		1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	27.49	
32 93 13 00-0058	EA		5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	96.64	
32 93 13 00-0059	EA		1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper	36.08	
32 93 13 00-0060	EA		4" Pot Parthenocissus tricuspidata - Boston Ivy	17.73	
32 93 13 00-0061	EA		1 Gallon Parthenocissus tricuspidata - Boston Ivy	40.43	
32 93 13 00-0062	EA		5 Gallon Parthenocissus tricuspidata - Boston Ivy	110.65	
32 93 13 00-0063	EA		3 Gallon Bougainvillea spectabilis - Bougainvillea	46.50	
32 93 13 00-0064	EA		1 Quart Iberis sempervirens - Candytuft	13.30	
32 93 13 00-0065	EA		1 Gallon Iberis sempervirens - Candytuft	31.92	
32 93 13 00-0066	EA		1 Gallon Gelsemium sempervirens - Carolina Jessamine	38.30	
32 93 13 00-0067	EA		5 Gallon Gelsemium sempervirens - Carolina Jessamine	138.31	
32 93 13 00-0068	EA		3" Pot Ajuga reptans - Carpet Bugle	7.98	
32 93 13 00-0069	EA		1 Quart Ajuga reptans - Carpet Bugle	13.30	
32 93 13 00-0070	EA		1 Gallon Ajuga reptans - Carpet Bugle	31.92	
32 93 13 00-0071	EA		24 Plant Flat Ajuga reptans - Carpet Bugle	137.42	
32 93 13 00-0072	EA		1 Gallon Macfadyena unguis-cati - Cat Claw Vine	31.92	
32 93 13 00-0073	EA		5 Gallon Macfadyena unguis-cati - Cat Claw Vine	138.31	
32 93 13 00-0074	EA		1 Gallon Wisteria sinensis - Chinese Wisteria Vine	41.67	
32 93 13 00-0075	EA		3 Gallon Wisteria sinensis - Chinese Wisteria Vine	92.21	
32 93 13 00-0076	EA		5 Gallon Wisteria sinensis - Chinese Wisteria Vine	138.31	
32 93 13 00-0077	EA		1 Gallon Ranunculaceae - Clematis Varieties	45.81	
32 93 13 00-0078	EA		2 Gallon Ranunculaceae - Clematis Varieties	84.73	
32 93 13 00-0079	EA		1 Gallon Hydrangea petiolaris - Climbing Hydrangea	57.63	
32 93 13 00-0080	EA		2 Gallon Hydrangea petiolaris - Climbing Hydrangea	108.17	
32 93 13 00-0081	EA		5 Gallon Hydrangea petiolaris - Climbing Hydrangea	177.32	
32 93 13 00-0082	EA		4" Pot Lantana camera - Common Lantana	7.98	
32 93 13 00-0083	EA		1 Gallon Lantana camera - Common Lantana	23.05	
32 93 13 00-0084	EA		1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	27.49	
32 93 13 00-0085	EA		5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	90.43	
32 93 13 00-0086	EA		2 Quart Lysimachia nummularia - Creeping Jenny	13.30	
32 93 13 00-0087	EA		1 Gallon Lysimachia nummularia - Creeping Jenny	25.71	
32 93 13 00-0088	EA		2 Quart Liriope spicata - Creeping Lilytuft	23.05	
32 93 13 00-0089	EA		1 Gallon Liriope spicata - Creeping Lilytuft	41.67	
32 93 13 00-0090	EA		5 Gallon Liriope spicata - Creeping Lilytuft	87.78	

**Exterior Improvements 32**

Planting 32 90

Plants 32 93

32

MINOR	CS	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0091	EA		Bare Root Liriope spicata - Creeping Liriope	5.81	
32 93 13 00-0092	EA		3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	7.98	
32 93 13 00-0093	EA		1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	31.92	
32 93 13 00-0094	EA		2-1/4" Pot Securigera varia - Crown Vetch	5.32	
32 93 13 00-0095	EA		50 Plant Flat Securigera varia - Crown Vetch	179.98	
32 93 13 00-0096	EA		1 Quart Senecio cineraria - Dusty Miller	13.30	
32 93 13 00-0097	EA		1 Gallon Senecio cineraria - Dusty Miller	31.92	
32 93 13 00-0098	EA		2 Gallon Aristolochia macrophylla - Dutchman's Pipe	110.83	
32 93 13 00-0099	EA		5 Gallon Aristolochia macrophylla - Dutchman's Pipe	203.03	
32 93 13 00-0100	EA		1 Gallon Ilex cornuta - Dwarf Holly	24.08	
32 93 13 00-0101	EA		3 Gallon Ilex cornuta - Dwarf Holly	51.60	
32 93 13 00-0102	EA		3 Gallon Rhamphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	51.60	
32 93 13 00-0103	EA		1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	17.20	
32 93 13 00-0104	EA		2" To 3" Pot Hedera helix - English Ivy	7.98	
32 93 13 00-0105	EA		12" To 15" Runners Hedera helix - English Ivy	13.30	
32 93 13 00-0106	EA		1 Gallon Hedera helix - English Ivy	31.92	
32 93 13 00-0107	EA		50 Plant Flat Hedera helix - English Ivy	184.42	
32 93 13 00-0108	EA		4" Pot Lavandula angustifolia - English Lavender	11.53	
32 93 13 00-0109	EA		1 Quart Lavandula angustifolia - English Lavender	22.17	
32 93 13 00-0110	EA		1 Gallon Lavandula angustifolia - English Lavender	36.35	
32 93 13 00-0111	EA		1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	34.58	
32 93 13 00-0112	EA		2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	69.16	
32 93 13 00-0113	EA		1 Quart Arundo donax - Giant Reed	42.56	
32 93 13 00-0114	EA		1 Gallon Arundo donax - Giant Reed	61.18	
32 93 13 00-0115	EA		1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	36.35	
32 93 13 00-0116	EA		2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	69.16	
32 93 13 00-0117	EA		1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	46.99	
32 93 13 00-0118	EA		1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	70.93	
32 93 13 00-0119	EA		3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	7.98	
32 93 13 00-0120	EA		1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	36.35	
32 93 13 00-0121	EA		2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	69.16	
32 93 13 00-0122	EA		1 Gallon Hardenbergia violacea - Happy Wanderer	31.92	
32 93 13 00-0123	EA		5 Gallon Hardenbergia violacea - Happy Wanderer	106.39	
32 93 13 00-0124	EA		3 Gallon Hibiscus, Assorted Colors	41.57	
32 93 13 00-0125	EA		1 Gallon Acorus gramineus - Japanese Sweet Flag	33.25	
32 93 13 00-0126	EA		1 Gallon Jasminum volubile - Wax Jasmine	16.75	
32 93 13 00-0127	EA		1 Gallon Jasminum volubile - Wax Jasmine	41.57	
32 93 13 00-0128	EA		1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	20.89	
32 93 13 00-0129	EA		3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	46.50	
32 93 13 00-0130	EA		1 Gallon Cissus antarctica - Kangaroo Vine	25.71	
32 93 13 00-0131	EA		5 Gallon Cissus antarctica - Kangaroo Vine	80.68	
32 93 13 00-0132	EA		1 Quart Stachys byzantina - Lamb's Ear	13.30	
32 93 13 00-0133	EA		1 Quart Stachys byzantina - Lamb's Ear	31.92	
32 93 13 00-0134	EA		1 Gallon Lantana spp. Various Colors	18.82	
32 93 13 00-0135	EA		1 Gallon Lantana sellowiana - Trailing Lantana	12.38	
32 93 13 00-0136	EA		1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	25.71	
32 93 13 00-0137	EA		5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	92.21	
32 93 13 00-0138	EA		1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	18.82	
32 93 13 00-0139	EA		1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	23.74	
32 93 13 00-0140	EA		3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	37.96	
32 93 13 00-0141	EA		1 Quart Moss Phlox, Creeping Phlox	13.30	
32 93 13 00-0142	EA		1 Gallon Moss Phlox, Creeping Phlox	31.92	
32 93 13 00-0143	EA		1 Gallon Nephrolepis exaltata - Common Boston Fern	16.75	
32 93 13 00-0144	EA		4" Pot Ophiopogon Japonicus - Mondo grass	7.98	
32 93 13 00-0145	EA		1 Gallon Ophiopogon Japonicus - Mondo grass	31.92	
32 93 13 00-0146	EA		5 Gallon Ophiopogon Japonicus - Mondo grass	73.59	
32 93 13 00-0147	EA		2' To 3' High Oregon Holly-Grape	36.85	
32 93 13 00-0148	EA		1 Gallon Pachysandra terminalis - Pachysandra	48.00	
32 93 13 00-0149	EA		2-1/4" Pot Vinca minor - Periwinkle	4.43	
32 93 13 00-0150	EA		4" Pot Vinca minor - Periwinkle	13.30	
32 93 13 00-0151	EA		Bare Root Vinca minor - Periwinkle	4.43	
32 93 13 00-0152	EA		1 Quart Nepeta mussinii - Persian Catmint	13.30	
32 93 13 00-0153	EA		1 Gallon Nepeta mussinii - Persian Catmint	27.49	
32 93 13 00-0154	EA		1 Gallon Coprosma kirkii - Prostrate Coprosma	22.17	
32 93 13 00-0155	EA		5 Gallon Coprosma kirkii - Prostrate Coprosma	80.68	
32 93 13 00-0156	EA		1 Gallon Juniperus Horizontalis - Prostrate Juniper	36.35	
32 93 13 00-0157	EA		3 Gallon Juniperus Horizontalis - Prostrate Juniper	78.02	
32 93 13 00-0158	EA		5 Gallon Juniperus Horizontalis - Prostrate Juniper	115.26	
32 93 13 00-0159	EA		1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	31.66	
32 93 13 00-0160	EA		1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	82.03	
32 93 13 00-0161	EA		24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	137.43	
32 93 13 00-0162	EA		1 Gallon Tradescantia spathacea - Rhoex Discolor "Dwarf"	16.75	
32 93 13 00-0163	EA		1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	18.62	
32 93 13 00-0164	EA		1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	33.25	
32 93 13 00-0165	EA		2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	51.87	
32 93 13 00-0166	EA		1 Gallon Hymenocallis latifolia - Spider Lily	20.64	
32 93 13 00-0167	EA		3 Gallon Hymenocallis latifolia - Spider Lily	55.04	
32 93 13 00-0168	EA		1 Quart Hypericum perforatum - St. John's Wort	13.30	
32 93 13 00-0169	EA		1 Gallon Hypericum perforatum - St. John's Wort	31.92	
32 93 13 00-0170	EA		5 Gallon Hypericum perforatum - St. John's Wort	82.45	
32 93 13 00-0171	EA		24" To 30" High Viburnum awabuki - Sweet Viburnum	112.21	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0172	EA	1 Gallon Campsis radicans - Trumpet Creeper.....	48.76
32 93 13 00-0173	EA	2 Gallon Campsis radicans - Trumpet Creeper.....	73.59
32 93 13 00-0174	EA	5 Gallon Campsis radicans - Trumpet Creeper.....	177.32
32 93 13 00-0175	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.43
32 93 13 00-0176	EA	4" Pot Vinca major - Variegated Greater Periwinkle	13.30
32 93 13 00-0177	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.43
32 93 13 00-0178	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	23.94
32 93 13 00-0179	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	33.25
32 93 13 00-0180	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	51.87
32 93 13 00-0181	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf.....	36.35
32 93 13 00-0182	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	16.85
32 93 13 00-0183	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	25.71
32 93 13 00-0184	EA	48 Plant Flat Vinca minor - Lesser Periwinkle.....	158.03
32 93 13 00-0185	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	7.98
32 93 13 00-0186	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper.....	41.67
32 93 13 00-0187	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	31.92
32 93 13 00-0188	EA	2 Gallon Jasminum polyanthum - Winter Jasmine.....	63.84
32 93 13 00-0189	EA	5 Gallon Jasminum polyanthum - Winter Jasmine.....	110.83
32 93 13 00-0190	EA	1 Gallon Cistaceae - Winkleleaf Rock Rose	25.71
32 93 13 00-0191	EA	5 Gallon Cistaceae - Winkleleaf Rock Rose	87.78
32 93 13 00-0192	EA	Flat Hedera canariensis - Algerian Ivy	25.84
32 93 13 00-0193	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	6.82
32 93 13 00-0194	EA	Flat Gazania 'Copper King'	21.19
32 93 13 00-0195	EA	1 Gallon Gazania 'Copper King'	7.24
32 93 13 00-0196	EA	Flat Myoporum parvifolium - Myoporum.....	25.84
32 93 13 00-0197	EA	1 Gallon Myoporum parvifolium - Myoporum	7.24
32 93 13 00-0198	EA	5 Gallon Myoporum parvifolium - Myoporum	20.68
32 93 13 00-0199	EA	1 Gallon Lantana montevidensis - Purple Lantana	7.24
32 93 13 00-0200	EA	5 Gallon Lantana montevidensis - Purple Lantana	20.68
32 93 13 00-0201	EA	Flat Carpobrotus - Ice Plant.....	19.64
32 93 13 00-0202	EA	1 Gallon Carpobrotus - Ice Plant.....	8.27

32 93 23 Plants and Bulbs (32 93)

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	25.71
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	36.35
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	60.29
32 93 23 00-0005	EA	1 Quart Azure Penstemon	13.30
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	33.25
32 93 23 00-0007	EA	1 Quart Balloon Flower	13.30
32 93 23 00-0008	EA	1 Gallon Balloon Flower.....	33.25
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	13.30
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan.....	33.25
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan.....	43.00
32 93 23 00-0012	EA	1 Quart Blackberry Lily.....	13.30
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	33.25
32 93 23 00-0014	EA	1 Quart Blank Flower	13.30
32 93 23 00-0015	EA	1 Gallon Blank Flower.....	30.59
32 93 23 00-0016	EA	2 Gallon Blank Flower.....	43.00
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	13.30
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	33.25
32 93 23 00-0019	EA	1 Quart Bloodred Geranium.....	22.61
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	38.13
32 93 23 00-0021	EA	1 Quart Blue Plumbago.....	13.30
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	33.25
32 93 23 00-0023	EA	1 Quart Blue Star	23.94
32 93 23 00-0024	EA	1 Gallon Blue Star.....	38.13
32 93 23 00-0025	EA	1 Quart Cardinal Flower.....	13.30
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	33.25
32 93 23 00-0027	EA	4" Pot Columbine.....	7.98
32 93 23 00-0028	EA	1 Quart Columbine.....	13.30
32 93 23 00-0029	EA	1 Gallon Columbine	33.25
32 93 23 00-0030	EA	1 Quart Common Globeflower	13.30
32 93 23 00-0031	EA	1 Gallon Common Globeflower.....	33.25
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	13.30
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	33.25
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	47.88
32 93 23 00-0035	EA	1 Quart Diploid.....	16.85
32 93 23 00-0036	EA	1 Gallon Diploid	38.13
32 93 23 00-0037	EA	3 Gallon Diploid	65.61
32 93 23 00-0038	EA	4" Pot Dune Sunflower.....	18.98
32 93 23 00-0039	EA	1 Quart Evans Begonia.....	23.94
32 93 23 00-0040	EA	1 Gallon Evans Begonia	43.00
32 93 23 00-0041	EA	1 Quart False Dragonhead	13.30
32 93 23 00-0042	EA	1 Gallon False Dragonhead	33.25
32 93 23 00-0043	EA	1 Quart False Spirea.....	13.30
32 93 23 00-0044	EA	1 Gallon False Spirea	43.00
32 93 23 00-0045	EA	3 Gallon False Spirea	59.40
32 93 23 00-0046	EA	2 Quart False Sunflower	21.28

**Exterior Improvements 32**

Planting 32 90

Plants 32 93

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0047 EA 1 Gallon False Sunflower.....	33.25	
32 93 23 00-0048 EA 2 Gallon False Sunflower.....	43.00	
32 93 23 00-0049 EA 1 Gallon Foxglove.....	30.59	
32 93 23 00-0050 EA 2 Gallon Foxglove.....	43.00	
32 93 23 00-0051 EA 3 Gallon Foxglove.....	62.06	
32 93 23 00-0052 EA 1 Gallon Francee Hostas.....	53.84	
32 93 23 00-0053 EA 1 Quart Garden Phlox.....	13.30	
32 93 23 00-0054 EA 1 Gallon Garden Phlox.....	33.25	
32 93 23 00-0055 EA 2 Quart Golden Groundsel.....	28.37	
32 93 23 00-0056 EA 2 Gallon Golden Groundsel.....	57.19	
32 93 23 00-0057 EA 1 Quart Golden Star.....	13.30	
32 93 23 00-0058 EA 1 Gallon Golden Star.....	33.25	
32 93 23 00-0059 EA 1 Quart Goldenrod.....	13.30	
32 93 23 00-0060 EA 1 Gallon Goldenrod.....	33.25	
32 93 23 00-0061 EA 1 Gallon Happy Returns Daylillies.....	61.92	
32 93 23 00-0062 EA 4" Pot Hardy Aster, Michaelmas Daisy.....	7.98	
32 93 23 00-0063 EA 1 Quart Hardy Aster, Michaelmas Daisy.....	13.30	
32 93 23 00-0064 EA 1 Gallon Hardy Aster, Michaelmas Daisy.....	33.25	
32 93 23 00-0065 EA 1 Quart Hardy Chrysanthemum.....	11.53	
32 93 23 00-0066 EA 6" To 8" Pot Hardy Chrysanthemum.....	19.07	
32 93 23 00-0067 EA 1 Gallon Hardy Chrysanthemum.....	30.59	
32 93 23 00-0068 EA 1 Gallon Herbaceous Peony.....	47.44	
32 93 23 00-0069 EA 2 Gallon Herbaceous Peony.....	75.81	
32 93 23 00-0070 EA 3 Gallon Herbaceous Peony.....	99.75	
32 93 23 00-0071 EA 4" Pot Japanese Anemone.....	7.98	
32 93 23 00-0072 EA 1 Quart Japanese Anemone.....	23.94	
32 93 23 00-0073 EA 2 Gallon Japanese Anemone.....	43.00	
32 93 23 00-0074 EA 2" Pot Japanese Spurge.....	4.73	
32 93 23 00-0075 EA 6" Pot Japanese Spurge.....	7.09	
32 93 23 00-0076 EA 1 Gallon Japanese Spurge.....	30.54	
32 93 23 00-0077 EA 1 Quart Oriental Poppy.....	19.07	
32 93 23 00-0078 EA 1 Gallon Oriental Poppy.....	38.13	
32 93 23 00-0079 EA 48 Plant Flat Pachysandra terminalis.....	158.03	
32 93 23 00-0080 EA 1 Gallon Pacific Coast Iris.....	26.16	
32 93 23 00-0081 EA 3 Gallon Pacific Coast Iris.....	49.66	
32 93 23 00-0082 EA 1 Gallon Palace Purple Coral Bells.....	50.34	
32 93 23 00-0083 EA 4" Pot Perennial Salvia.....	7.98	
32 93 23 00-0084 EA 1 Quart Perennial Salvia.....	13.30	
32 93 23 00-0085 EA 1 Gallon Perennial Salvia.....	33.25	
32 93 23 00-0086 EA 1 Quart Pincushion Flower.....	13.30	
32 93 23 00-0087 EA 1 Gallon Pincushion Flower.....	33.25	
32 93 23 00-0088 EA 2 Quart Plantain Lily.....	25.71	
32 93 23 00-0089 EA 1 Gallon Plantain Lily.....	36.35	
32 93 23 00-0090 EA 2 Gallon Plantain Lily.....	60.29	
32 93 23 00-0091 EA 3 Gallon Plantain Lily.....	113.94	
32 93 23 00-0092 EA 2 Quart Purple Coneflower.....	23.94	
32 93 23 00-0093 EA 1 Gallon Purple Coneflower.....	33.25	
32 93 23 00-0094 EA 2 Gallon Purple Coneflower.....	43.00	
32 93 23 00-0095 EA 1 Quart Purple Loosestrife.....	13.30	
32 93 23 00-0096 EA 1 Gallon Purple Loosestrife.....	33.25	
32 93 23 00-0097 EA 1 Quart Rose Mallow.....	26.16	
32 93 23 00-0098 EA 2 Gallon Rose Mallow.....	47.44	
32 93 23 00-0099 EA 3 Gallon Rose Mallow.....	81.13	
32 93 23 00-0100 EA 1 Gallon Autumn Joy Sedum.....	50.69	
32 93 23 00-0101 EA 1 Quart Siberian Iris.....	22.61	
32 93 23 00-0102 EA 2 Gallon Siberian Iris.....	43.00	
32 93 23 00-0103 EA 3 Gallon Siberian Iris.....	59.40	
32 93 23 00-0104 EA 1 Quart Speedwell.....	13.30	
32 93 23 00-0105 EA 1 Gallon Speedwell.....	33.25	
32 93 23 00-0106 EA 1 Quart Tetraploid.....	33.25	
32 93 23 00-0107 EA 1 Gallon Tetraploid.....	62.06	
32 93 23 00-0108 EA 3 Gallon Tetraploid.....	84.68	
32 93 23 00-0109 EA 1 Quart Threadleaf Coreopsis.....	13.30	
32 93 23 00-0110 EA 1 Gallon Threadleaf Coreopsis.....	33.25	
32 93 23 00-0111 EA 1 Quart Torch Lily.....	13.30	
32 93 23 00-0112 EA 1 Quart Bluebeard.....	23.94	
32 93 23 00-0113 EA 1 Gallon Bluebeard.....	35.47	
32 93 23 00-0114 EA 2 Gallon Bluebeard.....	51.87	
32 93 23 00-0115 Annuals (32 93 23)		
32 93 23 00-0116 EA 2-1/2" Pot Annual Flowers.....	6.17	
32 93 23 00-0117 EA 3" Pot Annual Flowers.....	8.35	
32 93 23 00-0118 EA 4" Pot Annual Flowers.....	17.84	
32 93 23 00-0119 EA 5-1/2" Pot Annual Flowers.....	23.73	
32 93 23 00-0120 EA 6" Pot Annual Flowers.....	46.98	
32 93 23 00-0121 EA 8" Pot Annual Flowers.....	78.30	
32 93 23 00-0122 EA 36 Plant Flat Annual Flowers.....	102.50	
32 93 23 00-0123 EA 48 Plant Flat Annual Flowers.....	116.27	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 23 00-0124**Bulbs** (32 93 23)

32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	21.46
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.24
32 93 23 00-0127	EA	Top Size Crocus Hybrid	1.40
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.82
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.31
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.91
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.07
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.24
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.43
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.55
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.71
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.71
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	3.88
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	4.13
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.88
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.63
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.88
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.88
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.16
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.30
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.48
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.30
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.89
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	4.13
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	3.14
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.72
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	3.05
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	3.05
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	3.05
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.48
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.39
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.48
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip	4.13
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.48
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.30
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.55
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.71
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.97
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.81
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	3.05
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	3.05
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.39
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.65
32 93 23 00-0168	EA	Top Size Tulip 'Shirley' - Shirley Tulip	2.48
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.22
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.48

32 93 33**Shrubs** (32 93)

Note: (cvs = cultivar or cultivated varieties) materials only. See CSI section 32 93 83 00-0033 for installation and planting of shrubs.

32 93 33 00-0001**Shrubs** (32 93 33)

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	22.62
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	46.07
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	88.43
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	9.61
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	23.78
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	94.38
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	105.93
32 93 33 00-0009	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	154.82
32 93 33 00-0010	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	172.74
32 93 33 00-0011	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	218.37
32 93 33 00-0012	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	242.82
32 93 33 00-0013	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	48.89
32 93 33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	65.19
32 93 33 00-0015	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	81.48
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	9.61
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	23.78
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	44.47
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	52.31
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	62.78
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	73.24
32 93 33 00-0022	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	88.93
32 93 33 00-0023	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	43.16
32 93 33 00-0024	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	45.77
32 93 33 00-0025	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	48.39
32 93 33 00-0026	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	54.93
32 93 33 00-0027	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	43.81
32 93 33 00-0028	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.43

**Exterior Improvements 32**

Planting 32 90

Plants 32 93

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0029	EA		48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.04	
32 93 33 00-0030	EA		60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	51.66	
32 93 33 00-0031	EA		1 Gallon Aspidistra elatior - Cast Iron Plant	8.99	
32 93 33 00-0032	EA		2 Gallon Aspidistra elatior - Cast Iron Plant	20.79	
32 93 33 00-0033	EA		1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	10.54	
32 93 33 00-0034	EA		3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	23.18	
32 93 33 00-0035	EA		5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	31.33	
32 93 33 00-0036	EA		1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	9.61	
32 93 33 00-0037	EA		5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	23.78	
32 93 33 00-0038	EA		1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	9.61	
32 93 33 00-0039	EA		5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	23.78	
32 93 33 00-0040	EA		1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	11.24	
32 93 33 00-0041	EA		2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	16.44	
32 93 33 00-0042	EA		15" To 18" Berberis - Northern Bayberry	46.92	
32 93 33 00-0043	EA		2' To 2-1/2' Berberis - Northern Bayberry	59.57	
32 93 33 00-0044	EA		2-1/2' To 3' Berberis - Northern Bayberry	83.46	
32 93 33 00-0045	EA		1 Gallon Berberis Buxifolia 'Nana' - Barberry	10.85	
32 93 33 00-0046	EA		5 Gallon Berberis Buxifolia 'Nana' - Barberry	26.15	
32 93 33 00-0047	EA		18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	50.16	
32 93 33 00-0048	EA		2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	64.21	
32 93 33 00-0049	EA		2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	82.05	
32 93 33 00-0050	EA		1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	13.49	
32 93 33 00-0051	EA		2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	26.55	
32 93 33 00-0052	EA		3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	32.45	
32 93 33 00-0053	EA		1 Gallon Berberis x mentorensis - Mentor Barberry	12.79	
32 93 33 00-0054	EA		5 Gallon Berberis x mentorensis - Mentor Barberry	36.11	
32 93 33 00-0055	EA		2' To 3' Berberis x mentorensis - Mentor Barberry	50.16	
32 93 33 00-0056	EA		3' To 4' Berberis x mentorensis - Mentor Barberry	77.41	
32 93 33 00-0057	EA		1 Gallon Buxus microphylla japonica - Japanese Boxwood	14.61	
32 93 33 00-0058	EA		5 Gallon Buxus microphylla japonica - Japanese Boxwood	39.20	
32 93 33 00-0059	EA		12" To 15" Buxus microphylla japonica - Japanese Boxwood	41.73	
32 93 33 00-0060	EA		15" To 18" Buxus microphylla japonica - Japanese Boxwood	53.67	
32 93 33 00-0061	EA		18" To 24" Buxus microphylla japonica - Japanese Boxwood	71.51	
32 93 33 00-0062	EA		24" To 30" Buxus microphylla japonica - Japanese Boxwood	107.34	
32 93 33 00-0063	EA		30" To 36" Buxus microphylla japonica - Japanese Boxwood	149.07	
32 93 33 00-0064	EA		12" To 15" Buxus sempervirens - Common Boxwood	41.73	
32 93 33 00-0065	EA		15" To 18" Buxus sempervirens - Common Boxwood	53.67	
32 93 33 00-0066	EA		18" To 24" Buxus sempervirens - Common Boxwood	71.51	
32 93 33 00-0067	EA		24" To 30" Buxus sempervirens - Common Boxwood	107.34	
32 93 33 00-0068	EA		2 Gallon Buxus Hybrid - Boxwood Cultivars	27.46	
32 93 33 00-0069	EA		5 Gallon Buxus Hybrid - Boxwood Cultivars	45.77	
32 93 33 00-0070	EA		5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	120.32	
32 93 33 00-0071	EA		18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	65.39	
32 93 33 00-0072	EA		24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	88.93	
32 93 33 00-0073	EA		30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	120.32	
32 93 33 00-0074	EA		1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	8.36	
32 93 33 00-0075	EA		5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	25.73	
32 93 33 00-0076	EA		15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	83.62	
32 93 33 00-0077	EA		5 Gallon Calycanthus floridus - Common Sweetshrub	43.16	
32 93 33 00-0078	EA		30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	39.23	
32 93 33 00-0079	EA		36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	52.31	
32 93 33 00-0080	EA		1 Gallon Camellia "Sasanqua" - Camellia	16.76	
32 93 33 00-0081	EA		3 Gallon Camellia "Sasanqua" - Camellia	35.75	
32 93 33 00-0082	EA		5 Gallon Camellia "Sasanqua" - Camellia	59.43	
32 93 33 00-0083	EA		7 Gallon Camellia "Sasanqua" - Camellia	88.50	
32 93 33 00-0084	EA		15 Gallon Camellia "Sasanqua" - Camellia	229.62	
32 93 33 00-0085	EA		1 Gallon Camellia japonica - Camellia	16.76	
32 93 33 00-0086	EA		3 Gallon Camellia japonica - Camellia	35.75	
32 93 33 00-0087	EA		5 Gallon Camellia japonica - Camellia	59.43	
32 93 33 00-0088	EA		5 Gallon Ceanothus americanus - New Jersey Tea	43.16	
32 93 33 00-0089	EA		1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	10.85	
32 93 33 00-0090	EA		5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	28.22	
32 93 33 00-0091	EA		5 Gallon Celastrus scandens - Bittersweet	43.16	
32 93 33 00-0092	EA		36" Balled and Burlapped, Celastrus scandens - Bittersweet	36.62	
32 93 33 00-0093	EA		5 Gallon Cephalanthus occidentalis - Buttonbush	43.16	
32 93 33 00-0094	EA		24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	32.70	
32 93 33 00-0095	EA		30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	36.62	
32 93 33 00-0096	EA		36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	39.23	
32 93 33 00-0097	EA		18" To 24" Chaenomeles speciosa - Flowering Quince	37.65	
32 93 33 00-0098	EA		2' To 3' Chaenomeles speciosa - Flowering Quince	50.16	
32 93 33 00-0099	EA		3' To 4' Chaenomeles speciosa - Flowering Quince	77.41	
32 93 33 00-0100	EA		1 Gallon Cistus Hybridus - White Rockrose	9.61	
32 93 33 00-0101	EA		5 Gallon Cistus Hybridus - White Rockrose	23.78	
32 93 33 00-0102	EA		3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	41.85	
32 93 33 00-0103	EA		18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	45.12	
32 93 33 00-0104	EA		24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	50.35	
32 93 33 00-0105	EA		30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	52.97	
32 93 33 00-0106	EA		36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	62.12	
32 93 33 00-0107	EA		1 Gallon Coleonema Pulchellum - Confetti Bush	9.61	
32 93 33 00-0108	EA		5 Gallon Coleonema Pulchellum - Confetti Bush	23.78	
32 93 33 00-0109	EA		15 Gallon Coleonema Pulchellum - Confetti Bush	111.33	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COST
DEMOLITION
UNIT COST

32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	59.57	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	74.46	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	95.40	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	131.08	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	27.46	
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	31.39	
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	47.08	
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	39.23	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	43.16	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	43.16	
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	39.23	
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	45.77	
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	49.70	
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	60.16	
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	42.50	
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	47.74	
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	54.27	
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	34.00	
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	39.23	
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.85	
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	45.77	
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	51.01	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	40.54	
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	45.77	
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	49.04	
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	52.97	
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	130.78	
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	170.02	
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	183.10	
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	235.41	
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	287.72	
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	326.96	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygia - Smoke Tree	125.18	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygia - Smoke Tree	187.70	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygia - Smoke Tree	283.10	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.00	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	31.33	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.70	
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	13.49	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	41.73	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	56.34	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	95.40	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.61	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	23.78	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	13.49	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	26.55	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.61	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	23.78	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	94.38	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	21.44	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	53.60	
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	33.35	
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	36.62	
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	47.08	
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	54.93	
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	62.78	
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	52.31	
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	62.78	
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	73.24	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	19.62	
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	47.08	
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	62.78	
32 93 33 00-0178	EA	1 Gallon Elaeagnus - Silverberry	12.03	
32 93 33 00-0179	EA	3 Gallon Elaeagnus - Silverberry	24.06	
32 93 33 00-0180	EA	5 Gallon Elaeagnus - Silverberry	33.09	
32 93 33 00-0181	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	23.78	
32 93 33 00-0182	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	9.61	
32 93 33 00-0183	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	23.78	
32 93 33 00-0184	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	94.38	
32 93 33 00-0185	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	9.61	
32 93 33 00-0186	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	23.78	
32 93 33 00-0187	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	94.38	
32 93 33 00-0188	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	39.06	
32 93 33 00-0189	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	53.67	
32 93 33 00-0190	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	64.21	

**Exterior Improvements 32**

Planting 32 90

Plants 32 93

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0191 EA 3' To 4' Elaeagnus angustifolia - Russian Olive	62.52	
32 93 33 00-0192 EA 1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	9.61	
32 93 33 00-0193 EA 5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	23.78	
32 93 33 00-0194 EA 15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	94.38	
32 93 33 00-0195 EA 1 Gallon Euonymus - Gold Spot	11.24	
32 93 33 00-0196 EA 2 Gallon Euonymus - Gold Spot	23.60	
32 93 33 00-0197 EA 5 Gallon Euonymus - Gold Spot	32.46	
32 93 33 00-0198 EA 1 Gallon Euonymus alatus - Winged Euonymus	9.60	
32 93 33 00-0199 EA 3 Gallon Euonymus alatus - Winged Euonymus	27.67	
32 93 33 00-0200 EA 24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	37.30	
32 93 33 00-0201 EA 30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	46.62	
32 93 33 00-0202 EA 36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	64.07	
32 93 33 00-0203 EA 42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	79.11	
32 93 33 00-0204 EA 48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	93.25	
32 93 33 00-0205 EA 54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	120.32	
32 93 33 00-0206 EA 5 Gallon Euonymus alatus - Winged Euonymus	34.59	
32 93 33 00-0207 EA 60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	150.40	
32 93 33 00-0208 EA 30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	58.85	
32 93 33 00-0209 EA 36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	69.97	
32 93 33 00-0210 EA 42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	91.55	
32 93 33 00-0211 EA 48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	109.86	
32 93 33 00-0212 EA 60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	136.01	
32 93 33 00-0213 EA 18" To 24" Euonymus alatus - Winged Burning Bush	41.73	
32 93 33 00-0214 EA 2' To 2-1/2' Euonymus alatus - Winged Burning Bush	49.17	
32 93 33 00-0215 EA 2-1/2' To 3' Euonymus alatus - Winged Burning Bush	67.16	
32 93 33 00-0216 EA 3' To 3-1/2' Euonymus alatus - Winged Burning Bush	80.50	
32 93 33 00-0217 EA 3-1/2' To 4' Euonymus alatus - Winged Burning Bush	101.30	
32 93 33 00-0218 EA 4' To 5' Euonymus alatus - Winged Burning Bush	143.03	
32 93 33 00-0219 EA 5' To 6' Euonymus alatus - Winged Burning Bush	178.85	
32 93 33 00-0220 EA 6' To 8' Euonymus alatus - Winged Burning Bush	208.64	
32 93 33 00-0221 EA 15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	41.73	
32 93 33 00-0222 EA 18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	47.63	
32 93 33 00-0223 EA 2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	58.17	
32 93 33 00-0224 EA 2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	82.05	
32 93 33 00-0225 EA 3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	96.94	
32 93 33 00-0226 EA 3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	116.19	
32 93 33 00-0227 EA 4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	163.96	
32 93 33 00-0228 EA 5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	193.74	
32 93 33 00-0229 EA 36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	35.31	
32 93 33 00-0230 EA 1 Gallon Euonymus fortunei - Wintercreeper	13.49	
32 93 33 00-0231 EA 2 Gallon Euonymus fortunei - Wintercreeper	26.55	
32 93 33 00-0232 EA 3 Gallon Euonymus fortunei - Wintercreeper	32.46	
32 93 33 00-0233 EA 5 Gallon Euonymus fortunei - Wintercreeper	38.50	
32 93 33 00-0234 EA 1 Gallon Euonymus japonicus - Evergreen Spindle	9.61	
32 93 33 00-0235 EA 5 Gallon Euonymus japonicus - Evergreen Spindle	23.78	
32 93 33 00-0236 EA 15 Gallon Euonymus japonicus - Evergreen Spindle	94.38	
32 93 33 00-0237 EA 2' To 3' Forsythia - Korean Forsythia	29.79	
32 93 33 00-0238 EA 3' To 4' Forsythia - Korean Forsythia	37.65	
32 93 33 00-0239 EA 4' To 5' Forsythia - Korean Forsythia	46.92	
32 93 33 00-0240 EA 30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	30.08	
32 93 33 00-0241 EA 36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	33.35	
32 93 33 00-0242 EA 48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	35.97	
32 93 33 00-0243 EA 18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	31.39	
32 93 33 00-0244 EA 24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	41.85	
32 93 33 00-0245 EA 24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	31.39	
32 93 33 00-0246 EA 30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	36.62	
32 93 33 00-0247 EA 36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	43.16	
32 93 33 00-0248 EA 42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	49.70	
32 93 33 00-0249 EA 48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	57.54	
32 93 33 00-0250 EA 2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	44.47	
32 93 33 00-0251 EA 3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	62.12	
32 93 33 00-0252 EA 5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	65.39	
32 93 33 00-0253 EA 15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	68.01	
32 93 33 00-0254 EA 18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	73.24	
32 93 33 00-0255 EA 24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	88.93	
32 93 33 00-0256 EA 24" Balled and Burlapped, Fothergilla major - Large Fothergilla	115.09	
32 93 33 00-0257 EA 30" Balled and Burlapped, Fothergilla major - Large Fothergilla	130.78	
32 93 33 00-0258 EA 1 Gallon Gardenia jasminoides - Cape Jasmine	9.69	
32 93 33 00-0259 EA 3 Gallon Gardenia jasminoides - Cape Jasmine	25.43	
32 93 33 00-0260 EA 5 Gallon Gardenia jasminoides - Cape Jasmine	32.46	
32 93 33 00-0261 EA 1 Gallon Grevillea 'Noellii' - Noel's Grevillea	9.61	
32 93 33 00-0262 EA 5 Gallon Grevillea 'Noellii' - Noel's Grevillea	23.78	
32 93 33 00-0263 EA 15 Gallon Grevillea 'Noellii' - Noel's Grevillea	94.38	
32 93 33 00-0264 EA 36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	91.55	
32 93 33 00-0265 EA 48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	149.09	
32 93 33 00-0266 EA 60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	188.33	
32 93 33 00-0267 EA 72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	287.72	
32 93 33 00-0268 EA 84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	326.96	
32 93 33 00-0269 EA 1 Gallon Hedychium gardnerum - Variegated Ginger	5.56	
32 93 33 00-0270 EA 3 Gallon Hedychium gardnerum - Variegated Ginger	19.55	
32 93 33 00-0271 EA 5 Gallon Hedychium gardnerum - Variegated Ginger	37.60	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0272	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	14.26
32 93 33 00-0273	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	24.06
32 93 33 00-0274	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	36.40
32 93 33 00-0275	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	37.65
32 93 33 00-0276	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	32.03
32 93 33 00-0277	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	43.27
32 93 33 00-0278	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	62.52
32 93 33 00-0279	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	86.41
32 93 33 00-0280	EA	2 Gallon Hydrangea - Blue Hydrangea	26.55
32 93 33 00-0281	EA	5 Gallon Hydrangea - Blue Hydrangea	37.37
32 93 33 00-0282	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	41.73
32 93 33 00-0283	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	47.63
32 93 33 00-0284	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	26.55
32 93 33 00-0285	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	45.77
32 93 33 00-0286	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	49.70
32 93 33 00-0287	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	57.54
32 93 33 00-0288	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	60.16
32 93 33 00-0289	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	47.08
32 93 33 00-0290	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	62.78
32 93 33 00-0291	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	27.46
32 93 33 00-0292	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	32.70
32 93 33 00-0293	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.12
32 93 33 00-0294	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	30.08
32 93 33 00-0295	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	34.00
32 93 33 00-0296	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	39.23
32 93 33 00-0297	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	52.31
32 93 33 00-0298	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	37.93
32 93 33 00-0299	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	43.16
32 93 33 00-0300	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	51.01
32 93 33 00-0301	EA	2 Gallon Hypericum kalmianum - St. John's Wort	26.55
32 93 33 00-0302	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort	31.39
32 93 33 00-0303	EA	24" Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort	34.00
32 93 33 00-0304	EA	1 Gallon Ilex "Carissa" - Holly	13.49
32 93 33 00-0305	EA	2 Gallon Ilex "Carissa" - Holly	26.55
32 93 33 00-0306	EA	5 Gallon Ilex "Carissa" - Holly	37.37
32 93 33 00-0307	EA	18" To 24" Ilex - Gulfside Sweet Holly	35.83
32 93 33 00-0308	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly	45.38
32 93 33 00-0309	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly	58.87
32 93 33 00-0310	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly	71.51
32 93 33 00-0311	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	26.76
32 93 33 00-0312	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.49
32 93 33 00-0313	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	26.55
32 93 33 00-0314	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	38.50
32 93 33 00-0315	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	13.49
32 93 33 00-0316	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	29.51
32 93 33 00-0317	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	38.50
32 93 33 00-0318	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	29.50
32 93 33 00-0319	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	35.55
32 93 33 00-0320	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	71.51
32 93 33 00-0321	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	95.40
32 93 33 00-0322	EA	2' To 3' Ilex opaca - American Holly	95.40
32 93 33 00-0323	EA	3' To 4' Ilex opaca - American Holly	157.92
32 93 33 00-0324	EA	4' To 5' Ilex opaca - American Holly	202.60
32 93 33 00-0325	EA	5' To 6' Ilex opaca - American Holly	244.32
32 93 33 00-0326	EA	6' To 7' Ilex opaca - American Holly	342.67
32 93 33 00-0327	EA	7' To 8' Ilex opaca - American Holly	476.85
32 93 33 00-0328	EA	8' To 10' Ilex opaca - American Holly	685.34
32 93 33 00-0329	EA	10' To 12' Ilex opaca - American Holly	1,043.05
32 93 33 00-0330	EA	12' To 14' Ilex opaca - American Holly	1,266.44
32 93 33 00-0331	EA	14' To 16' Ilex opaca - American Holly	1,564.43
32 93 33 00-0332	EA	2' To 3' Ilex verticillata - Winterberry (Female)	95.40
32 93 33 00-0333	EA	3' To 4' Ilex verticillata - Winterberry (Female)	125.18
32 93 33 00-0334	EA	2' To 3' Ilex verticillata - Winterberry (Male)	77.41
32 93 33 00-0335	EA	3' To 4' Ilex verticillata - Winterberry (Male)	107.34
32 93 33 00-0336	EA	4' To 5' Ilex verticillata - Winterberry (Male)	125.18
32 93 33 00-0337	EA	1 Gallon Ilex vomitoria - Yaupon Holly	12.65
32 93 33 00-0338	EA	3 Gallon Ilex vomitoria - Yaupon Holly	25.43
32 93 33 00-0339	EA	10 Gallon Ilex vomitoria - Yaupon Holly	89.36
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	40.54
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	45.77
32 93 33 00-0342	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	52.31
32 93 33 00-0343	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	48.39
32 93 33 00-0344	EA	24" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	58.85
32 93 33 00-0345	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	43.16
32 93 33 00-0346	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.16
32 93 33 00-0347	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	45.77
32 93 33 00-0348	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	54.93
32 93 33 00-0349	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	61.47
32 93 33 00-0350	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	65.39
32 93 33 00-0351	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	83.70
32 93 33 00-0352	EA	4' To 5' Ilex x attenuata "Foster" - Holly	154.97

**Exterior Improvements 32****Planting 32 90****Plants 32 93****32**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0353 EA 5' To 6' Ilex x attenuata "Foster" - Holly	205.55	
32 93 33 00-0354 EA 6' To 7' Ilex x attenuata "Foster" - Holly	183.91	
32 93 33 00-0355 EA 7' To 8' Ilex x attenuata "Foster" - Holly	357.56	
32 93 33 00-0356 EA 1 Gallon Jasimnum - Jasmine.....	3.46	
32 93 33 00-0357 EA 3 Gallon Jasimnum - Jasmine.....	13.54	
32 93 33 00-0358 EA 3 Gallon Jasimnum - Orange Jasmine.....	10.53	
32 93 33 00-0359 EA 4' - 5' Jasimnum - Orange Jasmine	120.32	
32 93 33 00-0360 EA 6' - 7' Jasimnum - Orange Jasmine	240.64	
32 93 33 00-0361 EA 8' - 10' Jasimnum - Orange Jasmine	324.86	
32 93 33 00-0362 EA 3 Gallon Juniperus chinensis cvs - Chinese Juniper.....	45.77	
32 93 33 00-0363 EA 5 Gallon Juniperus chinensis cvs - Chinese Juniper.....	51.01	
32 93 33 00-0364 EA 18" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	68.01	
32 93 33 00-0365 EA 24" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	88.93	
32 93 33 00-0366 EA 30" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	104.63	
32 93 33 00-0367 EA 36" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	141.25	
32 93 33 00-0368 EA 48" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	193.56	
32 93 33 00-0369 EA 1 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	21.81	
32 93 33 00-0370 EA 3 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	45.77	
32 93 33 00-0371 EA 5 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	51.01	
32 93 33 00-0372 EA 15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	54.93	
32 93 33 00-0373 EA 18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	60.16	
32 93 33 00-0374 EA 24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	73.24	
32 93 33 00-0375 EA 30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	88.93	
32 93 33 00-0376 EA 3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper.....	35.31	
32 93 33 00-0377 EA 18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	41.85	
32 93 33 00-0378 EA 24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	57.54	
32 93 33 00-0379 EA 30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	73.24	
32 93 33 00-0380 EA 36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	88.93	
32 93 33 00-0381 EA 3 Gallon Juniperus sabina cvs - Savin Juniper	32.70	
32 93 33 00-0382 EA 5 Gallon Juniperus sabina cvs - Savin Juniper	39.23	
32 93 33 00-0383 EA 4 Gallon Juniperus virginiana cvs - Red Cedar Juniper.....	34.00	
32 93 33 00-0384 EA 36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	65.39	
32 93 33 00-0385 EA 48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	102.01	
32 93 33 00-0386 EA 60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	128.17	
32 93 33 00-0387 EA 15" To 18" Kalmia latifolia - Mountain Laurel	53.67	
32 93 33 00-0388 EA 18" To 24" Kalmia latifolia - Mountain Laurel	71.51	
32 93 33 00-0389 EA 2' To 3' Kalmia latifolia - Mountain Laurel	104.25	
32 93 33 00-0390 EA 4' To 5' Kalmia latifolia - Mountain Laurel.....	190.65	
32 93 33 00-0391 EA 5' To 6' Kalmia latifolia - Mountain Laurel	292.09	
32 93 33 00-0392 EA 6' To 8' Kalmia latifolia - Mountain Laurel	447.06	
32 93 33 00-0393 EA 1 Gallon Kerria japonica - Kerria.....	11.94	
32 93 33 00-0394 EA 5 Gallon Kerria japonica - Kerria.....	37.37	
32 93 33 00-0395 EA 24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	37.93	
32 93 33 00-0396 EA 30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	43.16	
32 93 33 00-0397 EA 36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	47.08	
32 93 33 00-0398 EA 42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	54.93	
32 93 33 00-0399 EA 48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	62.78	
32 93 33 00-0400 EA 60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	78.47	
32 93 33 00-0401 EA 1 Gallon Lagerstroemia indica - Crape Myrtle	8.99	
32 93 33 00-0402 EA 5 Gallon Lagerstroemia indica - Crape Myrtle	32.03	
32 93 33 00-0403 EA 3' To 4' Lagerstroemia indica - Crape Myrtle	44.68	
32 93 33 00-0404 EA 4' To 5' Lagerstroemia indica - Crape Myrtle	65.61	
32 93 33 00-0405 EA 5' To 6' Lagerstroemia indica - Crape Myrtle	104.25	
32 93 33 00-0406 EA 7' To 8' Lagerstroemia indica - Crape Myrtle	135.36	
32 93 33 00-0407 EA 9' To 10' Lagerstroemia indica - Crape Myrtle	180.48	
32 93 33 00-0408 EA 11' To 12' Lagerstroemia indica - Crape Myrtle	376.00	
32 93 33 00-0409 EA 1 Gallon Leucothoe axillaris - Coast Leucothoe	13.49	
32 93 33 00-0410 EA 2 Gallon Leucothoe axillaris - Coast Leucothoe	29.51	
32 93 33 00-0411 EA 3 Gallon Leucothoe axillaris - Coast Leucothoe	35.55	
32 93 33 00-0412 EA 1 Gallon Ligustrum lucidum - Glossy Privet	8.29	
32 93 33 00-0413 EA 5 Gallon Ligustrum lucidum - Glossy Privet	25.43	
32 93 33 00-0414 EA 15 Gallon Ligustrum lucidum - Glossy Privet	119.14	
32 93 33 00-0415 EA 1 Gallon Ligustrum sinense - Variegated Chinese Privet.....	8.29	
32 93 33 00-0416 EA 2 Gallon Ligustrum sinense - Variegated Chinese Privet.....	17.84	
32 93 33 00-0417 EA 3 Gallon Ligustrum sinense - Variegated Chinese Privet.....	23.18	
32 93 33 00-0418 EA 36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	39.23	
32 93 33 00-0419 EA 48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	57.54	
32 93 33 00-0420 EA 60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	73.24	
32 93 33 00-0421 EA 72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	83.70	
32 93 33 00-0422 EA 5 Gallon Linderia benzoin - Spicebush	43.16	
32 93 33 00-0423 EA 36" Balled and Burlapped, Linderia benzoin - Spicebush	36.62	
32 93 33 00-0424 EA 48" Balled and Burlapped, Linderia benzoin - Spicebush	44.47	
32 93 33 00-0425 EA 2' To 3' Lonicera fragrantissima - Winter Honeysuckle	71.51	
32 93 33 00-0426 EA 3' To 4' Lonicera fragrantissima - Winter Honeysuckle	86.40	
32 93 33 00-0427 EA 30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	39.23	
32 93 33 00-0428 EA 36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	47.08	
32 93 33 00-0429 EA 42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	52.31	
32 93 33 00-0430 EA 48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	57.54	
32 93 33 00-0431 EA 1 Gallon Myrica cerifera - Wax Myrtle	7.52	
32 93 33 00-0432 EA 4 Gallon Myrica cerifera - Wax Myrtle	24.06	
32 93 33 00-0433 EA 7 Gallon Myrica cerifera - Wax Myrtle	52.64	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0434	EA	10 Gallon Myrica cerifera - Wax Myrtle	78.21
32 93 33 00-0435	EA	15 Gallon Myrica cerifera - Wax Myrtle	120.32
32 93 33 00-0436	EA	45 Gallon Myrica cerifera - Wax Myrtle	360.96
32 93 33 00-0437	EA	1' - 2' Myrica cerifera - Wax Myrtle	10.53
32 93 33 00-0438	EA	3' - 4' Myrica cerifera - Wax Myrtle	36.10
32 93 33 00-0439	EA	5' - 6' Myrica cerifera - Wax Myrtle	66.18
32 93 33 00-0440	EA	7' - 8' Myrica cerifera - Wax Myrtle	90.24
32 93 33 00-0441	EA	9' - 10' Myrica cerifera - Wax Myrtle	120.32
32 93 33 00-0442	EA	11' - 12' Myrica cerifera - Wax Myrtle	183.49
32 93 33 00-0443	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	39.23
32 93 33 00-0444	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	64.08
32 93 33 00-0445	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	94.16
32 93 33 00-0446	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	112.47
32 93 33 00-0447	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	117.70
32 93 33 00-0448	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	9.61
32 93 33 00-0449	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	23.78
32 93 33 00-0450	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	94.38
32 93 33 00-0451	EA	1 Gallon Nandina domestica - Heavenly Bamboo	13.49
32 93 33 00-0452	EA	2 Gallon Nandina domestica - Heavenly Bamboo	29.51
32 93 33 00-0453	EA	5 Gallon Nandina domestica - Heavenly Bamboo	44.68
32 93 33 00-0454	EA	15 Gallon Nerium oleander - Oleander	103.27
32 93 33 00-0455	EA	24" Box Nerium oleander - Oleander	371.12
32 93 33 00-0456	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	8.29
32 93 33 00-0457	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	22.48
32 93 33 00-0458	EA	1 Gallon Philadelphus - Evergreen Mockorange	11.52
32 93 33 00-0459	EA	5 Gallon Philadelphus - Evergreen Mockorange	37.37
32 93 33 00-0460	EA	36" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	39.23
32 93 33 00-0461	EA	42" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	45.77
32 93 33 00-0462	EA	48" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	52.31
32 93 33 00-0463	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	9.61
32 93 33 00-0464	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	23.78
32 93 33 00-0465	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	94.38
32 93 33 00-0466	EA	1 Gallon Phormium tenax - New Zealand Flax	10.13
32 93 33 00-0467	EA	5 Gallon Phormium tenax - New Zealand Flax	24.29
32 93 33 00-0468	EA	15 Gallon Phormium tenax - New Zealand Flax	103.27
32 93 33 00-0469	EA	24" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	39.23
32 93 33 00-0470	EA	30" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	45.77
32 93 33 00-0471	EA	36" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	52.31
32 93 33 00-0472	EA	42" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	65.39
32 93 33 00-0473	EA	48" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	78.47
32 93 33 00-0474	EA	12" To 15" Spread Pieris - Mountain Andromeda	36.11
32 93 33 00-0475	EA	15" To 18" Spread Pieris - Mountain Andromeda	77.41
32 93 33 00-0476	EA	12" To 15" Pieris japonica - Japanese Andromeda	46.93
32 93 33 00-0477	EA	15" To 18" Pieris japonica - Japanese Andromeda	53.67
32 93 33 00-0478	EA	18" To 24" Pieris japonica - Japanese Andromeda	67.16
32 93 33 00-0479	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	95.40
32 93 33 00-0480	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	113.24
32 93 33 00-0481	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	40.74
32 93 33 00-0482	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	52.15
32 93 33 00-0483	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	62.74
32 93 33 00-0484	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	80.67
32 93 33 00-0485	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	96.96
32 93 33 00-0486	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	141.78
32 93 33 00-0487	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	88.00
32 93 33 00-0488	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	105.93
32 93 33 00-0489	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	140.96
32 93 33 00-0490	EA	1 Gallon Pittosporum - Pittosporum	4.96
32 93 33 00-0491	EA	3 Gallon Pittosporum - Pittosporum	12.78
32 93 33 00-0492	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.96
32 93 33 00-0493	EA	3 Gallon Pittosporum - Varigated Pittosporum	12.78
32 93 33 00-0494	EA	5 Gallon Pittosporum - Varigated Pittosporum	22.41
32 93 33 00-0495	EA	1 Gallon Pittosporum eugenioides - Lemonwood	11.04
32 93 33 00-0496	EA	5 Gallon Pittosporum eugenioides - Lemonwood	26.15
32 93 33 00-0497	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	9.61
32 93 33 00-0498	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	23.78
32 93 33 00-0499	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	94.38
32 93 33 00-0500	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus	6.02
32 93 33 00-0501	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus	18.05
32 93 33 00-0502	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	22.23
32 93 33 00-0503	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	31.39
32 93 33 00-0504	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	23.54
32 93 33 00-0505	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	26.16
32 93 33 00-0506	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	37.93
32 93 33 00-0507	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	43.81
32 93 33 00-0508	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.60
32 93 33 00-0509	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.01
32 93 33 00-0510	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	83.51
32 93 33 00-0511	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	21.36
32 93 33 00-0512	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	26.44
32 93 33 00-0513	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	34.40
32 93 33 00-0514	EA	15" To 18" Prunus triloba - Double White Flowering Almond	19.08

**Exterior Improvements 32**

Planting 32 90

Plants 32 93

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0515	EA		18" To 24" Prunus triloba - Double White Flowering Almond.....	24.42	
32 93 33 00-0516	EA		3' To 4' Prunus triloba - Double White Flowering Almond.....	38.95	
32 93 33 00-0517	EA		4' To 6' Prunus triloba - Double White Flowering Almond.....	77.99	
32 93 33 00-0518	EA		5 Gallon Prunus triloba - Pink Flowering Almond.....	23.46	
32 93 33 00-0519	EA		18" To 24" Prunus triloba - Pink Flowering Almond.....	26.35	
32 93 33 00-0520	EA		2' To 3' Prunus triloba - Pink Flowering Almond.....	30.64	
32 93 33 00-0521	EA		2' To 3' Prunus virginiana - Brilliant Chokeberry.....	20.83	
32 93 33 00-0522	EA		3' To 4' Prunus virginiana - Brilliant Chokeberry.....	25.56	
32 93 33 00-0523	EA		4' To 5' Prunus virginiana - Brilliant Chokeberry.....	30.64	
32 93 33 00-0524	EA		5' To 6' Prunus virginiana - Brilliant Chokeberry.....	35.10	
32 93 33 00-0525	EA		1 Gallon Punica granatum - Dwarf Pomegranate.....	8.85	
32 93 33 00-0526	EA		3 Gallon Punica granatum - Dwarf Pomegranate.....	26.13	
32 93 33 00-0527	EA		7 Gallon Punica granatum - Dwarf Pomegranate.....	53.67	
32 93 33 00-0528	EA		1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	11.24	
32 93 33 00-0529	EA		5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	37.37	
32 93 33 00-0530	EA		5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	77.41	
32 93 33 00-0531	EA		1 Gallon Ralphiolopsis indica - Indian Hawthorne.....	8.99	
32 93 33 00-0532	EA		2 Gallon Ralphiolopsis indica - Indian Hawthorne.....	17.14	
32 93 33 00-0533	EA		5 Gallon Ralphiolopsis indica - Indian Hawthorne.....	30.49	
32 93 33 00-0534	EA		1 Gallon Rhamnus californica - Coffeeberry.....	13.67	
32 93 33 00-0535	EA		5 Gallon Rhamnus californica - Coffeeberry.....	39.08	
32 93 33 00-0536	EA		15 Gallon Rhamnus californica - Coffeeberry.....	117.29	
32 93 33 00-0537	EA		4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	68.56	
32 93 33 00-0538	EA		5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	93.99	
32 93 33 00-0539	EA		6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	122.23	
32 93 33 00-0540	EA		10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	223.53	
32 93 33 00-0541	EA		1 Gallon Ralphiolopsis indica 'Ballerina' - Ballerina Indian Hawthorn.....	10.23	
32 93 33 00-0542	EA		5 Gallon Ralphiolopsis indica 'Ballerina' - Ballerina Indian Hawthorn.....	24.29	
32 93 33 00-0543	EA		15 Gallon Ralphiolopsis indica 'Ballerina' - Ballerina Indian Hawthorn.....	103.27	
32 93 33 00-0544	EA		1 Gallon Rhododendron - Azalea Evergreen Hybrids.....	14.61	
32 93 33 00-0545	EA		2 Gallon Rhododendron - Azalea Evergreen Hybrids.....	29.50	
32 93 33 00-0546	EA		3 Gallon Rhododendron - Azalea Evergreen Hybrids.....	38.50	
32 93 33 00-0547	EA		5 Gallon Rhododendron - Azalea Evergreen Hybrids.....	44.68	
32 93 33 00-0548	EA		15" To 18" Rhododendron - Azalea Evergreen Hybrids.....	52.26	
32 93 33 00-0549	EA		18" To 24" Rhododendron - Azalea Evergreen Hybrids.....	65.61	
32 93 33 00-0550	EA		2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	95.40	
32 93 33 00-0551	EA		2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids.....	134.03	
32 93 33 00-0552	EA		1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	16.44	
32 93 33 00-0553	EA		2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	29.50	
32 93 33 00-0554	EA		15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	50.72	
32 93 33 00-0555	EA		18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	65.61	
32 93 33 00-0556	EA		2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	95.40	
32 93 33 00-0557	EA		3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	140.08	
32 93 33 00-0558	EA		4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	187.70	
32 93 33 00-0559	EA		5 Gallon Rhododendron - Boxleaf Azara.....	37.37	
32 93 33 00-0560	EA		15 Gallon Rhododendron - Boxleaf Azara.....	134.03	
32 93 33 00-0561	EA		15" To 18" Rhododendron - Carolina Rhododendron.....	42.29	
32 93 33 00-0562	EA		18" To 24" Rhododendron - Carolina Rhododendron.....	74.46	
32 93 33 00-0563	EA		24" To 30" Rhododendron - Carolina Rhododendron.....	110.29	
32 93 33 00-0564	EA		2' To 3' Rhododendron - Five-leafed Azalea.....	50.16	
32 93 33 00-0565	EA		3' To 4' Rhododendron - Five-leafed Azalea.....	65.61	
32 93 33 00-0566	EA		4' To 5' Rhododendron - Five-leafed Azalea.....	86.41	
32 93 33 00-0567	EA		15" To 18" Rhododendron - Ghent Azalea.....	50.16	
32 93 33 00-0568	EA		18" To 24" Rhododendron - Ghent Azalea.....	62.52	
32 93 33 00-0569	EA		2' To 3' Rhododendron - Ghent Azalea.....	101.30	
32 93 33 00-0570	EA		3' To 4' Rhododendron - Ghent Azalea.....	140.08	
32 93 33 00-0571	EA		4' To 5' Rhododendron - Ghent Azalea.....	187.70	
32 93 33 00-0572	EA		5' To 6' Rhododendron - Ghent Azalea.....	250.37	
32 93 33 00-0573	EA		1 Gallon Rhododendron - Hybrid Rhododendron.....	16.44	
32 93 33 00-0574	EA		2 Gallon Rhododendron - Hybrid Rhododendron.....	35.55	
32 93 33 00-0575	EA		3 Gallon Rhododendron - Hybrid Rhododendron.....	50.44	
32 93 33 00-0576	EA		5 Gallon Rhododendron - Hybrid Rhododendron.....	56.34	
32 93 33 00-0577	EA		15" To 18" Rhododendron - Hybrid Rhododendron.....	47.63	
32 93 33 00-0578	EA		18" To 24" Rhododendron - Hybrid Rhododendron.....	65.61	
32 93 33 00-0579	EA		24" To 30" Rhododendron - Hybrid Rhododendron.....	89.36	
32 93 33 00-0580	EA		30" To 36" Rhododendron - Hybrid Rhododendron.....	104.25	
32 93 33 00-0581	EA		36" To 42" Rhododendron - Hybrid Rhododendron.....	149.07	
32 93 33 00-0582	EA		42" To 48" Rhododendron - Hybrid Rhododendron.....	184.75	
32 93 33 00-0583	EA		15" To 18" Rhododendron - Pjm Rhododendron.....	53.67	
32 93 33 00-0584	EA		18" To 24" Rhododendron - Pjm Rhododendron.....	65.61	
32 93 33 00-0585	EA		2' To 2-1/2' Rhododendron - Pjm Rhododendron.....	95.40	
32 93 33 00-0586	EA		2-1/2' To 3' Rhododendron - Pjm Rhododendron.....	122.23	
32 93 33 00-0587	EA		3' To 3-1/2' Rhododendron - Pjm Rhododendron.....	149.07	
32 93 33 00-0588	EA		12" To 15" Rhododendron - Torch Azalea.....	41.73	
32 93 33 00-0589	EA		15" To 18" Rhododendron - Torch Azalea.....	50.16	
32 93 33 00-0590	EA		18" To 24" Rhododendron - Torch Azalea.....	62.52	
32 93 33 00-0591	EA		2' To 3' Rhododendron - Torch Azalea.....	104.25	
32 93 33 00-0592	EA		3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	47.08	
32 93 33 00-0593	EA		5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	57.54	
32 93 33 00-0594	EA		18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	70.62	
32 93 33 00-0595	EA		24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	88.93	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0596	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	104.63	
32 93 33 00-0597	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	125.55	
32 93 33 00-0598	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac.....	13.49	
32 93 33 00-0599	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac.....	37.37	
32 93 33 00-0600	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	31.39	
32 93 33 00-0601	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	43.16	
32 93 33 00-0602	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	49.70	
32 93 33 00-0603	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	65.39	
32 93 33 00-0604	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac.....	39.23	
32 93 33 00-0605	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	65.39	
32 93 33 00-0606	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	104.63	
32 93 33 00-0607	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	35.31	
32 93 33 00-0608	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	40.54	
32 93 33 00-0609	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	58.85	
32 93 33 00-0610	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	78.47	
32 93 33 00-0611	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose.....	21.58	
32 93 33 00-0612	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose.....	26.16	
32 93 33 00-0613	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose.....	32.70	
32 93 33 00-0614	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	23.54	
32 93 33 00-0615	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	30.08	
32 93 33 00-0616	EA	5 Gallon Sambucus canadensis - American Elder.....	43.16	
32 93 33 00-0617	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton.....	9.61	
32 93 33 00-0618	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton.....	23.78	
32 93 33 00-0619	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	9.61	
32 93 33 00-0620	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	23.78	
32 93 33 00-0621	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	19.39	
32 93 33 00-0622	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	28.38	
32 93 33 00-0623	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	10.54	
32 93 33 00-0624	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	27.54	
32 93 33 00-0625	EA	5 Gallon Senna artemisioides - Feathery Cassia.....	25.73	
32 93 33 00-0626	EA	15 Gallon Senna artemisioides - Feathery Cassia.....	102.38	
32 93 33 00-0627	EA	24" Box Senna artemisioides - Feathery Cassia.....	321.60	
32 93 33 00-0628	EA	1 Gallon Skimmia japonica - Japanese Skimmia.....	13.49	
32 93 33 00-0629	EA	2 Gallon Skimmia japonica - Japanese Skimmia.....	26.83	
32 93 33 00-0630	EA	5 Gallon Skimmia japonica - Japanese Skimmia.....	43.27	
32 93 33 00-0631	EA	1 Gallon Sollya fusiformis - Bluebell Creeper.....	9.61	
32 93 33 00-0632	EA	5 Gallon Sollya fusiformis - Bluebell Creeper.....	23.78	
32 93 33 00-0633	EA	3' To 4' Spiraea - Garland Spirea.....	62.52	
32 93 33 00-0634	EA	4' To 5' Spiraea - Garland Spirea.....	95.40	
32 93 33 00-0635	EA	5 Gallon Spiraea - Snowmound Spirea.....	37.37	
32 93 33 00-0636	EA	18" To 24" Spiraea - Snowmound Spirea.....	30.63	
32 93 33 00-0637	EA	2' To 3' Spiraea - Snowmound Spirea.....	43.27	
32 93 33 00-0638	EA	3' To 4' Spiraea - Snowmound Spirea.....	50.16	
32 93 33 00-0639	EA	4' To 5' Spiraea - Snowmound Spirea.....	86.40	
32 93 33 00-0640	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea.....	13.49	
32 93 33 00-0641	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea.....	26.55	
32 93 33 00-0642	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea.....	30.73	
32 93 33 00-0643	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea.....	33.35	
32 93 33 00-0644	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	34.00	
32 93 33 00-0645	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	39.23	
32 93 33 00-0646	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	44.47	
32 93 33 00-0647	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	51.66	
32 93 33 00-0648	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spirea.....	20.93	
32 93 33 00-0649	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spirea.....	31.39	
32 93 33 00-0650	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	28.77	
32 93 33 00-0651	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	34.00	
32 93 33 00-0652	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	39.23	
32 93 33 00-0653	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	44.47	
32 93 33 00-0654	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	57.54	
32 93 33 00-0655	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	13.49	
32 93 33 00-0656	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	24.19	
32 93 33 00-0657	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	31.39	
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	27.46	
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	33.35	
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	39.23	
32 93 33 00-0661	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	44.47	
32 93 33 00-0662	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhouttei Spirea.....	31.39	
32 93 33 00-0663	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhouttei Spirea.....	31.39	
32 93 33 00-0664	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhouttei Spirea.....	36.62	
32 93 33 00-0665	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhouttei Spirea.....	49.70	
32 93 33 00-0666	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhouttei Spirea.....	57.54	
32 93 33 00-0667	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhouttei Spirea.....	68.01	
32 93 33 00-0668	EA	5 Gallon Staphylea trifolia - Bladdernut.....	44.15	
32 93 33 00-0669	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra.....	31.39	
32 93 33 00-0670	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra.....	34.00	
32 93 33 00-0671	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra.....	39.23	
32 93 33 00-0672	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra.....	47.08	
32 93 33 00-0673	EA	2 Gallon Symphoricarpos albus - Common Snowberry.....	32.70	
32 93 33 00-0674	EA	5 Gallon Symphoricarpos albus - Common Snowberry.....	34.66	
32 93 33 00-0675	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	57.54	
32 93 33 00-0676	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	71.93	

**Exterior Improvements 32**

Planting 32 90

Plants 32 93

32

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0677	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	83.70		
32 93 33 00-0678	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	96.78		
32 93 33 00-0679	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	57.54		
32 93 33 00-0680	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	62.78		
32 93 33 00-0681	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	71.93		
32 93 33 00-0682	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	83.70		
32 93 33 00-0683	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	96.78		
32 93 33 00-0684	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	45.77		
32 93 33 00-0685	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	49.70		
32 93 33 00-0686	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	39.23		
32 93 33 00-0687	EA	42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	44.47		
32 93 33 00-0688	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	49.70		
32 93 33 00-0689	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	57.54		
32 93 33 00-0690	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	70.62		
32 93 33 00-0691	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	32.70		
32 93 33 00-0692	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	37.93		
32 93 33 00-0693	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	49.70		
32 93 33 00-0694	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	207.94		
32 93 33 00-0695	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	232.79		
32 93 33 00-0696	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	256.33		
32 93 33 00-0697	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	308.65		
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	54.93		
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	71.93		
32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	83.70		
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	91.55		
32 93 33 00-0702	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	54.93		
32 93 33 00-0703	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	71.93		
32 93 33 00-0704	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	85.01		
32 93 33 00-0705	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	100.70		
32 93 33 00-0706	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	151.71		
32 93 33 00-0707	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	83.70		
32 93 33 00-0708	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	112.47		
32 93 33 00-0709	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	170.02		
32 93 33 00-0710	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	248.49		
32 93 33 00-0711	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	285.11		
32 93 33 00-0712	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	330.88		
32 93 33 00-0713	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	36.62		
32 93 33 00-0714	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	51.01		
32 93 33 00-0715	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	71.93		
32 93 33 00-0716	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	62.52		
32 93 33 00-0717	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	95.40		
32 93 33 00-0718	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	125.18		
32 93 33 00-0719	EA	1 Gallon Viburnum japonicum - Japanese Viburnum.....	7.59		
32 93 33 00-0720	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	20.79		
32 93 33 00-0721	EA	5 Gallon Viburnum plicatum - Japanese Snowball.....	37.37		
32 93 33 00-0722	EA	5' To 6' Viburnum plicatum - Japanese Snowball	140.08		
32 93 33 00-0723	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	65.61		
32 93 33 00-0724	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	77.41		
32 93 33 00-0725	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	108.89		
32 93 33 00-0726	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum.....	71.93		
32 93 33 00-0727	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum.....	86.32		
32 93 33 00-0728	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	65.39		
32 93 33 00-0729	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	78.47		
32 93 33 00-0730	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	91.55		
32 93 33 00-0731	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	104.63		
32 93 33 00-0732	EA	1 Gallon Viburnum davidii - David Viburnum	9.61		
32 93 33 00-0733	EA	5 Gallon Viburnum davidii - David Viburnum	23.78		
32 93 33 00-0734	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	36.62		
32 93 33 00-0735	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	39.23		
32 93 33 00-0736	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	45.77		
32 93 33 00-0737	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	52.31		
32 93 33 00-0738	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	57.54		
32 93 33 00-0739	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	35.31		
32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	39.23		
32 93 33 00-0741	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	49.70		
32 93 33 00-0742	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	57.54		
32 93 33 00-0743	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	78.47		
32 93 33 00-0744	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	94.16		
32 93 33 00-0745	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	39.23		
32 93 33 00-0746	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	52.31		
32 93 33 00-0747	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	65.39		
32 93 33 00-0748	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	91.55		
32 93 33 00-0749	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	130.78		
32 93 33 00-0750	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	183.10		
32 93 33 00-0751	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	235.41		
32 93 33 00-0752	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	47.08		
32 93 33 00-0753	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	52.31		
32 93 33 00-0754	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	94.16		
32 93 33 00-0755	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	143.86		
32 93 33 00-0756	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	183.10		
32 93 33 00-0757	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	222.33		

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0758	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	274.64	
32 93 33 00-0759	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	326.96	
32 93 33 00-0760	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	392.35	
32 93 33 00-0761	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	457.74	
32 93 33 00-0762	EA	30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	39.89	
32 93 33 00-0763	EA	36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	43.81	
32 93 33 00-0764	EA	48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	49.70	
32 93 33 00-0765	EA	60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	57.54	
32 93 33 00-0766	EA	72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	66.05	
32 93 33 00-0767	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	37.93	
32 93 33 00-0768	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	45.77	
32 93 33 00-0769	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	54.93	
32 93 33 00-0770	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	62.78	
32 93 33 00-0771	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	75.85	
32 93 33 00-0772	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	83.70	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	65.39	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	78.47	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	91.55	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	104.63	
32 93 33 00-0777	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	117.70	
32 93 33 00-0778	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	83.70	
32 93 33 00-0779	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	94.16	
32 93 33 00-0780	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	107.24	
32 93 33 00-0781	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	122.94	
32 93 33 00-0782	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	77.41	
32 93 33 00-0783	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	95.40	
32 93 33 00-0784	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	140.08	
32 93 33 00-0785	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	43.16	
32 93 33 00-0786	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	39.23	
32 93 33 00-0787	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	44.47	
32 93 33 00-0788	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	49.70	
32 93 33 00-0789	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	57.54	
32 93 33 00-0790	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	65.39	
32 93 33 00-0791	EA	1 Gallon Xylosma congestum - Shiny Xylosma	8.99	
32 93 33 00-0792	EA	5 Gallon Xylosma congestum - Shiny Xylosma	25.43	
32 93 33 00-0793	EA	15 Gallon Xylosma congestum - Shiny Xylosma	111.83	
32 93 33 00-0794	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	7.59	
32 93 33 00-0795	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	20.09	
32 93 33 00-0796	EA	1 Gallon Yucca filamentosa - Adams Needle	10.54	
32 93 33 00-0797	EA	3 Gallon Yucca filamentosa - Adams Needle	20.51	
32 93 33 00-0798	EA	5 Gallon Yucca filamentosa - Adams Needle	32.46	
32 93 33 00-0799	EA	5 Gallon Border Forsythia - Goldenbells	36.11	
32 93 33 00-0800	EA	2' To 3' Border Forsythia - Goldenbells	29.79	
32 93 33 00-0801	EA	3' To 4' Border Forsythia - Goldenbells	37.65	
32 93 33 00-0802	EA	4' To 5' Border Forsythia - Goldenbells	46.93	
32 93 33 00-0803	EA	5' To 6' Border Forsythia - Goldenbells	56.34	
32 93 33 00-0804	EA	6' To 8' Border Forsythia - Goldenbells	77.41	
32 93 33 00-0805	EA	3' Juniperus chinensis - Columnar Chinese Juniper	76.70	
32 93 33 00-0806	EA	4' Juniperus chinensis - Columnar Chinese Juniper	105.28	
32 93 33 00-0807	EA	5' Juniperus chinensis - Columnar Chinese Juniper	165.44	
32 93 33 00-0808	EA	6' Juniperus chinensis - Columnar Chinese Juniper	192.51	
32 93 33 00-0809	EA	7' Juniperus chinensis - Columnar Chinese Juniper	252.67	
32 93 33 00-0810	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	15.04	
32 93 33 00-0811	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	21.06	
32 93 33 00-0812	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	50.99	
32 93 33 00-0813	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	15.04	
32 93 33 00-0814	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	21.06	
32 93 33 00-0815	EA	Beile Poitvine Roses	60.16	
32 93 33 00-0816	EA	3 Gallon Bird Of Paradise	27.07	
32 93 33 00-0817	EA	5 Gallon Bird Of Paradise	42.11	
32 93 33 00-0818	EA	7 Gallon Bird Of Paradise	57.15	
32 93 33 00-0819	EA	10 Gallon Bird Of Paradise	114.30	
32 93 33 00-0820	EA	18" Bonica Roses	69.18	
32 93 33 00-0821	EA	1 Gallon Burmese Grape	12.03	
32 93 33 00-0822	EA	5 Gallon Burmese Grape	33.09	
32 93 33 00-0823	EA	15 Gallon Burmese Grape	123.33	
32 93 33 00-0824	EA	6" To 9" Canby Paxistima	24.06	
32 93 33 00-0825	EA	9" To 12" Canby Paxistima	30.08	
32 93 33 00-0826	EA	12" To 15" Canby Paxistima	39.10	
32 93 33 00-0827	EA	5 Gallon Chastetree	42.11	
32 93 33 00-0828	EA	3' Chinese Lilac	60.16	
32 93 33 00-0829	EA	4' Chinese Lilac	75.20	
32 93 33 00-0830	EA	5' Chinese Lilac	102.27	
32 93 33 00-0831	EA	1 Gallon Christmas Berry	15.04	
32 93 33 00-0832	EA	2 Gallon Christmas Berry	33.09	
32 93 33 00-0833	EA	5 Gallon Christmas Berry	48.13	
32 93 33 00-0834	EA	15 Gallon Christmas Berry	222.59	
32 93 33 00-0835	EA	1 Gallon Concha Wild Lilac	12.03	
32 93 33 00-0836	EA	5 Gallon Concha Wild Lilac	30.08	
32 93 33 00-0837	EA	1 Gallon Flower Carpet Roses	30.08	
32 93 33 00-0838	EA	3 Gallon Flower Carpet Roses	57.15	



Exterior Improvements		32	32
Planting		32 90	
Plants		32 93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0839	EA		Goldfinger Potentillas.....	48.13	
32 93 33 00-0840	EA		Green Mound Alpine Currents	60.16	
32 93 33 00-0841	EA		24" Gro-Low Sumacs.....	60.16	
32 93 33 00-0842	EA		3 Gallon Heliconia.....	27.07	
32 93 33 00-0843	EA		1' Ibolium Private	3.01	
32 93 33 00-0844	EA		2' Ibolium Private	12.03	
32 93 33 00-0845	EA		3' Ibolium Private	21.06	
32 93 33 00-0846	EA		5 Gallon Japanese Privit.....	33.09	
32 93 33 00-0847	EA		24" Spirea - Little Princess.....	63.17	
32 93 33 00-0848	EA		2' Longstalk Holly.....	60.16	
32 93 33 00-0849	EA		2-1/2' Longstalk Holly.....	81.22	
32 93 33 00-0850	EA		3' Longstalk Holly.....	102.27	
32 93 33 00-0851	EA		3-1/2' Longstalk Holly.....	114.30	
32 93 33 00-0852	EA		3 Gallon Low Dense Pyracantha	30.08	
32 93 33 00-0853	EA		Pacific Wax Myrtle 1 Gal.....	9.02	
32 93 33 00-0854	EA		5 Gallon Pacific Wax Myrtle.....	30.08	
32 93 33 00-0855	EA		1 Gallon Red Escallonia	9.02	
32 93 33 00-0856	EA		5 Gallon Red Escallonia	30.08	
32 93 33 00-0857	EA		15 Gallon Red Escallonia	123.33	
32 93 33 00-0858	EA		24" Smooth Hydrangeas.....	72.19	
32 93 33 00-0859	EA		15" To 18" Somerset Burkwood Daphne	48.13	
32 93 33 00-0860	EA		18" To 24" Somerset Burkwood Daphne	63.17	
32 93 33 00-0861	EA		1 Gallon Spring Bouquet Laurustinis	9.02	
32 93 33 00-0862	EA		5 Gallon Spring Bouquet Laurustinis	33.09	
32 93 33 00-0863	EA		15" To 18" Summersweet	36.10	
32 93 33 00-0864	EA		18" To 24" Summersweet	42.11	
32 93 33 00-0865	EA		2' Sweet Shrubs.....	48.13	
32 93 33 00-0866	EA		3' Sweet Shrubs.....	63.17	
32 93 33 00-0867	EA		1 Gallon Variegated Silverberry.....	9.02	
32 93 33 00-0868	EA		3 Gallon Variegated Silverberry.....	21.06	
32 93 33 00-0869	EA		15 Gallon Variegated Silverberry	123.33	
32 93 33 00-0870	EA		1 Gallon Variegated Winter Daphne	15.04	
32 93 33 00-0871	EA		5 Gallon Variegated Winter Daphne	48.13	
32 93 33 00-0872	EA		15 Gallon Variegated Winter Daphne	222.59	
32 93 33 00-0873	EA		2' To 3' Virginia Sweetspire	105.28	
32 93 33 00-0874	EA		1 Gallon Warminster Broom	15.04	
32 93 33 00-0875	EA		2 Gallon Warminster Broom	30.08	
32 93 33 00-0876	EA		5 Gallon Warminster Broom	42.11	

32 93 43 Trees (32 93)

Note: (cvs = cultivar or cultivated varieties) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001

Deciduous Ornamental Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	287.06
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	350.85
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	398.70
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	462.49
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	526.28
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	621.97
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	285.63
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,020.66
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,275.83
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple.....	255.17
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	637.91
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	829.29
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	956.87
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	1,084.45
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	1,275.83
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	104.63
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	130.78
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	162.17
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	130.78
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	156.94
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	183.10
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	209.25
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	235.41
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	261.57
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	300.80
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	340.03
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	392.35
32 93 43 00-0029	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	300.80
32 93 43 00-0030	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	353.11
32 93 43 00-0031	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	405.43
32 93 43 00-0032	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	444.66
32 93 43 00-0033	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	104.63
32 93 43 00-0034	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	222.33
32 93 43 00-0035	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	287.72
32 93 43 00-0036	EA	2' To 4' Amelechier - Juneberry	31.85

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0037 EA 4' To 5' Amelemchier - Juneberry	33.41	
32 93 43 00-0038 EA 5' To 6' Amelemchier - Juneberry	39.78	
32 93 43 00-0039 EA 6' To 8' Amelemchier - Juneberry	47.46	
32 93 43 00-0040 EA 6' Cercis occidentalis - Western Redbud	178.63	
32 93 43 00-0041 EA 8' Cercis occidentalis - Western Redbud	245.76	
32 93 43 00-0042 EA 2-1/2" Caliper Cercis occidentalis - Western Redbud	506.18	
32 93 43 00-0043 EA 3" Caliper Cercis occidentalis - Western Redbud	616.22	
32 93 43 00-0044 EA 2' To 3' Magnolia Virginiana - Sweetbay Magnolia	60.45	
32 93 43 00-0045 EA 3' To 4' Magnolia Virginiana - Sweetbay Magnolia	90.67	
32 93 43 00-0046 EA 4' To 5' Magnolia Virginiana - Sweetbay Magnolia	113.34	
32 93 43 00-0047 EA 5' To 6' Magnolia Virginiana - Sweetbay Magnolia	141.16	
32 93 43 00-0048 EA 4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	239.22	
32 93 43 00-0049 EA 5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	318.96	
32 93 43 00-0050 EA 6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	414.64	
32 93 43 00-0051 EA 7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	462.49	
32 93 43 00-0052 EA 8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	558.17	
32 93 43 00-0053 EA 9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	621.97	
32 93 43 00-0054 EA 4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	239.22	
32 93 43 00-0055 EA 5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	318.96	
32 93 43 00-0056 EA 6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	414.64	
32 93 43 00-0057 EA 7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	462.49	
32 93 43 00-0058 EA 8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	558.17	
32 93 43 00-0059 EA 9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	621.97	
32 93 43 00-0060 EA 1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	6.82	
32 93 43 00-0061 EA 5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	28.89	
32 93 43 00-0062 EA 20 Gallon Prunus subhirtella - Flowering Cherry	394.55	
32 93 43 00-0063 EA 1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	407.84	
32 93 43 00-0064 EA 2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	509.75	
32 93 43 00-0065 EA 3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,063.80	
32 93 43 00-0066 EA 3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	819.90	
32 93 43 00-0067 EA 4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,595.70	
32 93 43 00-0068 EA 5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	101.91	
32 93 43 00-0069 EA 15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	279.14	
32 93 43 00-0070 EA 20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	363.53	
32 93 43 00-0071 EA 5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	115.20	
32 93 43 00-0072 EA 6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	221.54	
32 93 43 00-0073 EA 1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	407.84	
32 93 43 00-0074 EA 2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	487.59	
32 93 43 00-0075 EA 1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	319.23	
32 93 43 00-0076 EA 1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	265.84	
32 93 43 00-0077 EA 1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	389.90	
32 93 43 00-0078 EA 2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	465.44	
32 93 43 00-0079 EA 2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	598.36	
32 93 43 00-0080 EA 15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	308.04	
32 93 43 00-0081 EA 20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	385.05	
32 93 43 00-0082 EA 1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	400.45	
32 93 43 00-0083 EA 2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	477.46	
32 93 43 00-0084 EA 2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	646.89	
32 93 43 00-0085 EA 3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	847.12	
32 93 43 00-0086 EA 3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,078.14	
32 93 43 00-0087 EA 15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	308.04	
32 93 43 00-0088 EA 20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	385.05	
32 93 43 00-0089 EA 1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	261.84	
32 93 43 00-0090 EA 2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	400.45	
32 93 43 00-0091 EA 2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	477.05	
32 93 43 00-0092 EA 3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	646.89	
32 93 43 00-0093 EA 3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	847.12	
32 93 43 00-0094 EA 1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	561.11	
32 93 43 00-0095 EA 2" Caliper Pyrus calleryana & cvs - Callery Pear	701.39	
32 93 43 00-0096 EA 2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	869.73	
32 93 43 00-0097 EA 3" Caliper Pyrus calleryana & cvs - Callery Pear	981.95	
32 93 43 00-0098 EA 3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,094.17	
32 93 43 00-0099 EA 4" Caliper Pyrus calleryana & cvs - Callery Pear	1,402.78	
32 93 43 00-0100 EA 1 Gallon Ribes aureum - Golden Currant	5.97	
32 93 43 00-0101 EA 5 Gallon Ribes aureum - Golden Currant	17.07	
32 93 43 00-0102 EA 1 Gallon Ribes sanguineum - Red Flowering Currant	5.97	
32 93 43 00-0103 EA 5 Gallon Ribes sanguineum - Red Flowering Currant	17.07	
32 93 43 00-0104 EA 1 Gallon Ribes viburnifolium - Evergreen Currant	5.97	
32 93 43 00-0105 EA 5 Gallon Ribes viburnifolium - Evergreen Currant	17.07	
32 93 43 00-0106 EA 8' Cassia leptophylla - Gold Medallion Tree	402.96	
32 93 43 00-0107 EA 10' Cassia leptophylla - Gold Medallion Tree	511.45	
32 93 43 00-0108 EA 12' Cassia leptophylla - Gold Medallion Tree	619.94	
32 93 43 00-0109 EA 6' Magnolia grandiflora 'St. Mary's'	464.96	
32 93 43 00-0110 EA 8' Magnolia grandiflora 'St. Mary's'	821.42	
32 93 43 00-0111 EA 10' Magnolia grandiflora 'St. Mary's'	1,032.20	
32 93 43 00-0112 EA 12' Magnolia grandiflora 'St. Mary's'	1,239.88	
32 93 43 00-0113 EA 14' Magnolia grandiflora 'St. Mary's'	1,441.36	
32 93 43 00-0114 EA 16' Magnolia grandiflora 'St. Mary's'	1,704.84	
32 93 43 00-0115 EA 24" Box Magnolia grandiflora 'St. Mary's'	511.45	
32 93 43 00-0116 EA 6' Prunus cerasifera - Purple Leaf Plum	241.78	
32 93 43 00-0117 EA 8' Prunus cerasifera - Purple Leaf Plum	278.97	

**Exterior Improvements 32****Planting 32 90****Plants 32 93****32**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0118 EA 10' Prunus cerasifera - Purple Leaf Plum	359.57	
32 93 43 00-0119 EA 24" Box Prunus cerasifera - Purple Leaf Plum	382.81	
32 93 43 00-0120 EA 30" Box Prunus cerasifera - Purple Leaf Plum	774.92	
32 93 43 00-0121 EA 36" Box Prunus cerasifera - Purple Leaf Plum	1,188.74	
32 93 43 00-0122 EA 6' Pittosporum phylliraeoides - Willow Pittorporum	505.25	
32 93 43 00-0123 EA 8' Pittosporum phylliraeoides - Willow Pittorporum	722.23	
32 93 43 00-0124 EA 10' Pittosporum phylliraeoides - Willow Pittorporum	864.82	
32 93 43 00-0125 EA 12' Pittosporum phylliraeoides - Willow Pittorporum	1,115.89	
32 93 43 00-0126 EA 6' Stenocarpus sinuatus - Firewheel Tree	743.93	
32 93 43 00-0127 EA 8' Stenocarpus sinuatus - Firewheel Tree	991.90	
32 93 43 00-0128 EA 10" Stenocarpus sinuatus - Firewheel Tree	1,239.88	
32 93 43 00-0129 EA 12' Stenocarpus sinuatus - Firewheel Tree	1,487.86	
32 93 43 00-0130 EA 24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	737.09	
32 93 43 00-0131 EA 36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	2,133.67	
32 93 43 00-0132 EA 1-1/2" Caliper Arbutus menziesii - Madrona	539.08	
32 93 43 00-0133 EA 2" Caliper Arbutus menziesii - Madrona	700.80	
32 93 43 00-0134 EA 2-1/2" Caliper Arbutus menziesii - Madrona	808.62	
32 93 43 00-0135 EA 3" Caliper Arbutus menziesii - Madrona	916.43	
32 93 43 00-0136 EA 3-1/2" Caliper Arbutus menziesii - Madrona	1,078.16	
32 93 43 00-0137 EA 1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	371.96	
32 93 43 00-0138 EA 2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	604.44	
32 93 43 00-0139 EA 2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	743.93	
32 93 43 00-0140 EA 3" Caliper Koelreuteria bipinnata - Chinese Flame Tree	821.42	
32 93 43 00-0141 EA 24" Box Koelreuteria bipinnata - Chinese Flame Tree	362.66	
32 93 43 00-0142 EA 30" Box Koelreuteria bipinnata - Chinese Flame Tree	836.92	
32 93 43 00-0143 EA 36" Box Koelreuteria bipinnata - Chinese Flame Tree	1,309.62	
32 93 43 00-0144 EA 1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	337.87	
32 93 43 00-0145 EA 2" Cliber Koelreuteria paniculata - Golden Rain Tree	548.65	
32 93 43 00-0146 EA 2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	672.63	
32 93 43 00-0147 EA 3" Cliber Koelreuteria paniculata - Golden Rain Tree	759.43	
32 93 43 00-0148 EA 6' Magnolia grandiflora - Southern Magnolia	229.38	
32 93 43 00-0149 EA 7' Magnolia grandiflora - Southern Magnolia	347.17	
32 93 43 00-0150 EA 8' Magnolia grandiflora - Southern Magnolia	486.65	
32 93 43 00-0151 EA 9' Magnolia grandiflora - Southern Magnolia	647.84	
32 93 43 00-0152 EA 10' Magnolia grandiflora - Southern Magnolia	985.70	
32 93 43 00-0153 EA 24" Box Magnolia grandiflora - Southern Magnolia	402.96	
32 93 43 00-0154 EA 1-1/2" Caliper Tipuana tipu - Tipu Tree	480.45	
32 93 43 00-0155 EA 2" Caliper Tipuana tipu - Tipu Tree	626.14	
32 93 43 00-0156 EA 2-1/2" Caliper Tipuana tipu - Tipu Tree	793.52	
32 93 43 00-0157 EA 3" Caliper Tipuana tipu - Tipu Tree	914.41	
32 93 43 00-0158 EA 3-1/2" Caliper Tipuana tipu - Tipu Tree	1,345.27	
32 93 43 00-0159 EA 4" Caliper Tipuana tipu - Tipu Tree	1,797.83	
32 93 43 00-0160 EA 24" Box Tipuana tipu - Tipu Tree	362.66	
32 93 43 00-0161 EA 6' Albizia julibrissin - Silk Tree	743.93	
32 93 43 00-0162 EA 8' Albizia julibrissin - Silk Tree	991.90	
32 93 43 00-0163 EA 10' Albizia julibrissin - Silk Tree	1,239.88	
32 93 43 00-0164 EA 12' Albizia julibrissin - Silk Tree	1,487.86	
32 93 43 00-0165 EA 6' Brachychiton acerifolius - Flame Tree	743.93	
32 93 43 00-0166 EA 8' Brachychiton acerifolius - Flame Tree	991.90	
32 93 43 00-0167 EA 10' Brachychiton acerifolius - Flame Tree	1,239.88	
32 93 43 00-0168 EA 12' Brachychiton acerifolius - Flame Tree	1,487.86	
32 93 43 00-0169 EA 1-1/2" Caliper Chilopsis linearis - Desert Willow	601.34	
32 93 43 00-0170 EA 2" Caliper Chilopsis linearis - Desert Willow	722.23	
32 93 43 00-0171 EA 2-1/2" Caliper Chilopsis linearis - Desert Willow	768.73	
32 93 43 00-0172 EA 3" Caliper Chilopsis linearis - Desert Willow	852.42	
32 93 43 00-0173 EA 5 Gallon Chionanthus retusus - Chinese Fringe Tree	31.00	
32 93 43 00-0174 EA 15 Gallon Chionanthus retusus - Chinese Fringe Tree	123.99	
32 93 43 00-0175 EA 24" Box Chionanthus retusus - Chinese Fringe Tree	619.94	
32 93 43 00-0176 EA 5 Gallon Calodendrum capense - Cape Chestnut	46.50	
32 93 43 00-0177 EA 15 Gallon Calodendrum capense - Cape Chestnut	185.98	
32 93 43 00-0178 EA 24" Box Calodendrum capense - Cape Chestnut	697.43	
32 93 43 00-0179 EA 6' Chionanthus virginicus - White Fringe Tree	371.96	
32 93 43 00-0180 EA 8' Chionanthus virginicus - White Fringe Tree	513.52	
32 93 43 00-0181 EA 10' Chionanthus virginicus - White Fringe Tree	715.26	
32 93 43 00-0182 EA 15 Gallon Geijera parvifolia - Australian Willow	220.08	
32 93 43 00-0183 EA 24" Box Geijera parvifolia - Australian Willow	453.00	
32 93 43 00-0184 EA 30" Box Geijera parvifolia - Australian Willow	843.64	
32 93 43 00-0185 EA 36" Box Geijera parvifolia - Australian Willow	1,210.44	
32 93 43 00-0186 EA 1-1/2" Caliper Ginko Biloba - Maidenhair Tree	652.90	
32 93 43 00-0187 EA 2" Caliper Ginko Biloba - Maidenhair Tree	909.66	
32 93 43 00-0188 EA 2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,096.73	
32 93 43 00-0189 EA 3" Caliper Ginko Biloba - Maidenhair Tree	1,280.13	
32 93 43 00-0190 EA 3-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,676.28	
32 93 43 00-0191 EA 4" Caliper Ginko Biloba - Maidenhair Tree	1,789.98	
32 93 43 00-0192 EA 4-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,907.36	
32 93 43 00-0193 EA 24" Box Ginko Biloba - Maidenhair Tree	596.05	
32 93 43 00-0194 EA 15 Gallon Sapium sebiferum - Chinese Tallow Tree	220.08	
32 93 43 00-0195 EA 24" Box Sapium sebiferum - Chinese Tallow Tree	806.96	
32 93 43 00-0196 EA 4' To 5' Lagerstroemia indica - Crape Myrtle	234.75	
32 93 43 00-0197 EA 6' Lagerstroemia indica - Crape Myrtle	436.49	
32 93 43 00-0198 EA 8' Lagerstroemia indica - Crape Myrtle	451.16	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0199 EA 10' Lagerstroemia indica - Crape Myrtle	546.53	
32 93 43 00-0200 EA 24" Box Lagerstroemia indica - Crape Myrtle	429.16	
32 93 43 00-0201 EA 5 Gallon Celtis Sinensis - Chinese Hackberry	45.48	
32 93 43 00-0202 EA 15 Gallon Celtis Sinensis - Chinese Hackberry	119.92	
32 93 43 00-0203 EA 24" Box Celtis Sinensis - Chinese Hackberry	392.82	
32 93 43 00-0204 EA 36" Box Celtis Sinensis - Chinese Hackberry	1,147.46	
32 93 43 00-0205 EA 5 Gallon Crataegus phaenopyrum - Washington Hawthorn	45.48	
32 93 43 00-0206 EA 15 Gallon Crataegus phaenopyrum - Washington Hawthorn	119.92	
32 93 43 00-0207 EA 24" Box Crataegus phaenopyrum - Washington Hawthorn	392.82	
32 93 43 00-0208 EA 36" Box Crataegus phaenopyrum - Washington Hawthorn	1,147.46	
32 93 43 00-0209 EA 1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	13.44	
32 93 43 00-0210 EA 5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	37.22	
32 93 43 00-0211 EA 15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	163.33	
32 93 43 00-0212 EA 24" Box Eucalyptus ficifolia - Red-Flowering Gum	392.82	
32 93 43 00-0213 EA 36" Box Eucalyptus ficifolia - Red-Flowering Gum	1,033.75	
32 93 43 00-0214 EA 15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	101.31	
32 93 43 00-0215 EA 24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	330.80	
32 93 43 00-0216 EA 36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	878.69	
32 93 43 00-0217 EA 48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,964.12	
32 93 43 00-0218 EA 5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	28.94	
32 93 43 00-0219 EA 15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	101.31	
32 93 43 00-0220 EA 24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	330.80	
32 93 43 00-0221 EA 36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	878.69	
32 93 43 00-0222 EA 48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,964.12	
32 93 43 00-0223 EA 5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	28.94	
32 93 43 00-0224 EA 15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	121.98	
32 93 43 00-0225 EA 24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	330.80	
32 93 43 00-0226 EA 36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	930.38	
32 93 43 00-0227 EA 48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	2,377.62	
32 93 43 00-0228 EA 5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	28.94	
32 93 43 00-0229 EA 15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	121.98	
32 93 43 00-0230 EA 24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	330.80	
32 93 43 00-0231 EA 36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	930.38	
32 93 43 00-0232 EA 48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	2,377.62	
32 93 43 00-0233 EA 5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	28.94	
32 93 43 00-0234 EA 15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	121.98	
32 93 43 00-0235 EA 24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	330.80	
32 93 43 00-0236 EA 36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	930.38	
32 93 43 00-0237 EA 48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	2,377.62	
32 93 43 00-0238 EA 1 Gallon Pittosporum undulatum - Victorian Box	25.22	
32 93 43 00-0239 EA 5 Gallon Pittosporum undulatum - Victorian Box	54.31	
32 93 43 00-0240 EA 15 Gallon Pittosporum undulatum - Victorian Box	306.47	
32 93 43 00-0241 EA 24" Box Pittosporum undulatum - Victorian Box	737.09	
32 93 43 00-0242 EA 36" Box Pittosporum undulatum - Victorian Box	2,133.67	
32 93 43 00-0243 EA 48" Box Pittosporum undulatum - Victorian Box	4,849.25	
32 93 43 00-0244 EA 15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	103.27	
32 93 43 00-0245 EA 24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	372.05	

32 93 43 00-0246**Deciduous Shade Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0247 EA 3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	244.39
32 93 43 00-0248 EA 4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	299.57
32 93 43 00-0249 EA 4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	390.23
32 93 43 00-0250 EA 5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	505.85
32 93 43 00-0251 EA 2' To 2-1/2' Acer palmatum - Japanese Maple	25.78
32 93 43 00-0252 EA 4' To 5' Acer palmatum - Japanese Maple	54.13
32 93 43 00-0253 EA 5' To 6' Acer palmatum - Japanese Maple	70.88
32 93 43 00-0254 EA 6' To 7' Acer palmatum - Japanese Maple	128.88
32 93 43 00-0255 EA 7' To 8' Acer palmatum - Japanese Maple	180.43
32 93 43 00-0256 EA 8' To 10' Acer palmatum - Japanese Maple	231.99
32 93 43 00-0257 EA 10' To 12' Acer palmatum - Japanese Maple	309.32
32 93 43 00-0258 EA 2" Caliper Acer platanoides & cvs - Norway Maple	131.39
32 93 43 00-0259 EA 2" Caliper Acer platanoides & cvs - Norway Maple	159.95
32 93 43 00-0260 EA 3" Caliper Acer platanoides & cvs - Norway Maple	205.65
32 93 43 00-0261 EA 3-1/2" Caliper Acer platanoides & cvs - Norway Maple	239.93
32 93 43 00-0262 EA 4" Caliper Acer platanoides & cvs - Norway Maple	257.07
32 93 43 00-0263 EA 4-1/2" Caliper Acer platanoides & cvs - Norway Maple	279.92
32 93 43 00-0264 EA 5" Caliper Acer platanoides & cvs - Norway Maple	314.19
32 93 43 00-0265 EA 2" Caliper Acer rubrum & cvs - Red Maple	125.68
32 93 43 00-0266 EA 2-1/2" Caliper Acer rubrum & cvs - Red Maple	159.95
32 93 43 00-0267 EA 3" Caliper Acer rubrum & cvs - Red Maple	205.65
32 93 43 00-0268 EA 3-1/2" Caliper Acer rubrum & cvs - Red Maple	251.35
32 93 43 00-0269 EA 4" Caliper Acer rubrum & cvs - Red Maple	285.63
32 93 43 00-0270 EA 4-1/2" Caliper Acer rubrum & cvs - Red Maple	331.33
32 93 43 00-0271 EA 5" Caliper Acer rubrum & cvs - Red Maple	371.32
32 93 43 00-0272 EA 8' Clump Form Acer rubrum & cvs - Red Maple	154.24
32 93 43 00-0273 EA 10' Clump Form Acer rubrum & cvs - Red Maple	205.65
32 93 43 00-0274 EA 12' Clump Form Acer rubrum & cvs - Red Maple	239.93
32 93 43 00-0275 EA 14' Clump Form Acer rubrum & cvs - Red Maple	274.21

**Exterior Improvements 32**

Planting 32 90

Plants 32 93

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0276 EA 16' Clump Form Acer rubrum & cvs - Red Maple	308.48	
32 93 43 00-0277 EA 18' Clump Form Acer rubrum & cvs - Red Maple	342.76	
32 93 43 00-0278 EA 2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	199.94	
32 93 43 00-0279 EA 2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	222.79	
32 93 43 00-0280 EA 3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	251.35	
32 93 43 00-0281 EA 3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	285.63	
32 93 43 00-0282 EA 4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	342.76	
32 93 43 00-0283 EA 2" Caliper Betula nigra - River Birch	142.82	
32 93 43 00-0284 EA 2-1/2" Caliper Betula nigra - River Birch	161.72	
32 93 43 00-0285 EA 3" Caliper Betula nigra - River Birch	182.80	
32 93 43 00-0286 EA 3-1/2" Caliper Betula nigra - River Birch	228.50	
32 93 43 00-0287 EA 4" Caliper Betula nigra - River Birch	257.07	
32 93 43 00-0288 EA 4-1/2" Caliper Betula nigra - River Birch	285.63	
32 93 43 00-0289 EA 5" Caliper Betula nigra - River Birch	314.19	
32 93 43 00-0290 EA 8" Clump Form Betula nigra - River Birch	131.39	
32 93 43 00-0291 EA 10' Clump Form Betula nigra - River Birch	148.53	
32 93 43 00-0292 EA 12' Clump Form Betula nigra - River Birch	171.38	
32 93 43 00-0293 EA 14' Clump Form Betula nigra - River Birch	199.94	
32 93 43 00-0294 EA 16' Clump Form Betula nigra - River Birch	228.50	
32 93 43 00-0295 EA 12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	171.38	
32 93 43 00-0296 EA 14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	205.65	
32 93 43 00-0297 EA 16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	239.93	
32 93 43 00-0298 EA 18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	285.63	
32 93 43 00-0299 EA 20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	297.06	
32 93 43 00-0300 EA 2" Caliper Carpinus betulus & cvs - European Hornbeam	228.50	
32 93 43 00-0301 EA 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	257.07	
32 93 43 00-0302 EA 3" Caliper Carpinus betulus & cvs - European Hornbeam	297.06	
32 93 43 00-0303 EA 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	359.89	
32 93 43 00-0304 EA 6' Clump Form Carpinus betulus & cvs - European Hornbeam	102.83	
32 93 43 00-0305 EA 7' Clump Form Carpinus betulus & cvs - European Hornbeam	142.82	
32 93 43 00-0306 EA 8' Clump Form Carpinus betulus & cvs - European Hornbeam	177.09	
32 93 43 00-0307 EA 2" Caliper Catalpa speciosa - Western Catalpa	125.68	
32 93 43 00-0308 EA 2-1/2" Caliper Catalpa speciosa - Western Catalpa	171.38	
32 93 43 00-0309 EA 3" Caliper Catalpa speciosa - Western Catalpa	222.79	
32 93 43 00-0310 EA 3-1/2" Caliper Catalpa speciosa - Western Catalpa	268.49	
32 93 43 00-0311 EA 4" Caliper Catalpa speciosa - Western Catalpa	308.48	
32 93 43 00-0312 EA 8' Clump Form Corylus cornuta californica - Western Filbert	159.95	
32 93 43 00-0313 EA 10' Clump Form Corylus cornuta californica - Western Filbert	194.23	
32 93 43 00-0314 EA 12' Clump Form Corylus cornuta californica - Western Filbert	228.50	
32 93 43 00-0315 EA 1-1/2" Caliper Diospyros - Persimmon	102.83	
32 93 43 00-0316 EA 2" Caliper Diospyros - Persimmon	125.68	
32 93 43 00-0317 EA 2-1/2" Caliper Diospyros - Persimmon	159.95	
32 93 43 00-0318 EA 3" Caliper Diospyros - Persimmon	199.94	
32 93 43 00-0319 EA 3-1/2" Caliper Diospyros - Persimmon	239.93	
32 93 43 00-0320 EA 2" Caliper Fagus sylvatica & cvs - European Beech	257.07	
32 93 43 00-0321 EA 2-1/2" Caliper Fagus sylvatica & cvs - European Beech	308.48	
32 93 43 00-0322 EA 3" Caliper Fagus sylvatica & cvs - European Beech	371.32	
32 93 43 00-0323 EA 3-1/2" Caliper Fagus sylvatica & cvs - European Beech	411.31	
32 93 43 00-0324 EA 4" Caliper Fagus sylvatica & cvs - European Beech	485.57	
32 93 43 00-0325 EA 4-1/2" Caliper Fagus sylvatica & cvs - European Beech	628.39	
32 93 43 00-0326 EA 5" Caliper Fagus sylvatica & cvs - European Beech	742.64	
32 93 43 00-0327 EA 2" Caliper Fraxinus americana & cvs - White Ash	142.82	
32 93 43 00-0328 EA 2-1/2" Caliper Fraxinus americana & cvs - White Ash	171.38	
32 93 43 00-0329 EA 3" Caliper Fraxinus americana & cvs - White Ash	217.08	
32 93 43 00-0330 EA 3-1/2" Caliper Fraxinus americana & cvs - White Ash	262.78	
32 93 43 00-0331 EA 4" Caliper Fraxinus americana & cvs - White Ash	308.48	
32 93 43 00-0332 EA 4-1/2" Caliper Fraxinus americana & cvs - White Ash	342.76	
32 93 43 00-0333 EA 5" Caliper Fraxinus americana & cvs - White Ash	399.88	
32 93 43 00-0334 EA 1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	199.94	
32 93 43 00-0335 EA 2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	222.79	
32 93 43 00-0336 EA 2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	251.35	
32 93 43 00-0337 EA 3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	279.92	
32 93 43 00-0338 EA 3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	314.19	
32 93 43 00-0339 EA 4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	342.76	
32 93 43 00-0340 EA 4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	514.13	
32 93 43 00-0341 EA 5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	571.26	
32 93 43 00-0342 EA 2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	137.10	
32 93 43 00-0343 EA 2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	171.38	
32 93 43 00-0344 EA 3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	205.65	
32 93 43 00-0345 EA 3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	239.93	
32 93 43 00-0346 EA 4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	274.21	
32 93 43 00-0347 EA 4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	308.48	
32 93 43 00-0348 EA 5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	365.61	
32 93 43 00-0349 EA 10' - 12' Bursera Simaruba - Gumbo Limbo	72.26	
32 93 43 00-0350 EA 12' - 14' Bursera Simaruba - Gumbo Limbo	85.40	
32 93 43 00-0351 EA 14' - 16' Bursera Simaruba - Gumbo Limbo	118.25	
32 93 43 00-0352 EA 17' - 18' Bursera Simaruba - Gumbo Limbo	153.73	
32 93 43 00-0353 EA 19' - 20' Bursera Simaruba - Gumbo Limbo	170.81	
32 93 43 00-0354 EA 21' - 22' Bursera Simaruba - Gumbo Limbo	202.34	
32 93 43 00-0355 EA 1-1/2" Caliper Juglans californica - California Walnut	137.10	
32 93 43 00-0356 EA 2" Caliper Juglans californica - California Walnut	159.95	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0357 EA 2-1/2" Caliper Juglans californica - California Walnut	199.94	
32 93 43 00-0358 EA 3" Caliper Juglans californica - California Walnut	251.35	
32 93 43 00-0359 EA 3-1/2" Caliper Juglans californica - California Walnut	308.48	
32 93 43 00-0360 EA 4" Caliper Juglans californica - California Walnut	371.32	
32 93 43 00-0361 EA 4-1/2" Caliper Juglans californica - California Walnut	428.45	
32 93 43 00-0362 EA 5" Caliper Juglans californica - California Walnut	485.57	
32 93 43 00-0363 EA 5 Gallon Koelreuteria Paniculata - Goldenrain Tree	15.47	
32 93 43 00-0364 EA 15 Gallon Koelreuteria Paniculata - Goldenrain Tree	38.66	
32 93 43 00-0365 EA 20 Gallon Koelreuteria Paniculata - Goldenrain Tree	77.33	
32 93 43 00-0366 EA 55 Gallon Koelreuteria Paniculata - Goldenrain Tree	100.53	
32 93 43 00-0367 EA 1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	73.46	
32 93 43 00-0368 EA 2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	88.93	
32 93 43 00-0369 EA 2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	123.73	
32 93 43 00-0370 EA 1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	182.80	
32 93 43 00-0371 EA 2" Caliper Liquidambar styraciflua - American Sweetgum	228.50	
32 93 43 00-0372 EA 2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	285.63	
32 93 43 00-0373 EA 3" Caliper Liquidambar styraciflua - American Sweetgum	342.76	
32 93 43 00-0374 EA 3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	399.88	
32 93 43 00-0375 EA 1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	182.80	
32 93 43 00-0376 EA 2" Caliper Liriodendron tulipifera - Tulip Tree	251.35	
32 93 43 00-0377 EA 2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0378 EA 3" Caliper Liriodendron tulipifera - Tulip Tree	342.76	
32 93 43 00-0379 EA 3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	388.46	
32 93 43 00-0380 EA 8' Clump Form Liriodendron tulipifera - Tulip Tree	137.10	
32 93 43 00-0381 EA 10' Clump Form Liriodendron tulipifera - Tulip Tree	245.64	
32 93 43 00-0382 EA 12' Clump Form Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0383 EA 1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	182.80	
32 93 43 00-0384 EA 2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	228.50	
32 93 43 00-0385 EA 2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	285.63	
32 93 43 00-0386 EA 3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	342.76	
32 93 43 00-0387 EA 3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	399.88	
32 93 43 00-0388 EA 4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	79.98	
32 93 43 00-0389 EA 5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	91.40	
32 93 43 00-0390 EA 6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	108.54	
32 93 43 00-0391 EA 7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	137.10	
32 93 43 00-0392 EA 8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	171.38	
32 93 43 00-0393 EA 30" Box Platanus Occidentalis - Buttonwood Sycamore	248.18	
32 93 43 00-0394 EA 36" Box Platanus Occidentalis - Buttonwood Sycamore	361.00	
32 93 43 00-0395 EA 42" Box Platanus occidentalis - Buttonwood Sycamore	537.01	
32 93 43 00-0396 EA 1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	83.04	
32 93 43 00-0397 EA 2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.28	
32 93 43 00-0398 EA 2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	135.37	
32 93 43 00-0399 EA 3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	164.28	
32 93 43 00-0400 EA 8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	68.32	
32 93 43 00-0401 EA 10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	85.40	
32 93 43 00-0402 EA 12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	151.10	
32 93 43 00-0403 EA 16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	216.79	
32 93 43 00-0404 EA 2" Caliper Platanus x acerifolia & cvs - London Planetree	137.10	
32 93 43 00-0405 EA 2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	165.67	
32 93 43 00-0406 EA 3" Caliper Platanus x acerifolia & cvs - London Planetree	199.94	
32 93 43 00-0407 EA 3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	239.93	
32 93 43 00-0408 EA 4" Caliper Platanus x acerifolia & cvs - London Planetree	285.63	
32 93 43 00-0409 EA 2" Caliper Populus alba & cvs - White Poplar	137.10	
32 93 43 00-0410 EA 2-1/2" Caliper Populus alba & cvs - White Poplar	159.95	
32 93 43 00-0411 EA 3" Caliper Populus alba & cvs - White Poplar	182.80	
32 93 43 00-0412 EA 3-1/2" Caliper Populus alba & cvs - White Poplar	217.08	
32 93 43 00-0413 EA 4" Caliper Populus alba & cvs - White Poplar	239.93	
32 93 43 00-0414 EA 4-1/2" Caliper Populus alba & cvs - White Poplar	274.21	
32 93 43 00-0415 EA 2" Caliper Populus deltoides & cvs - Eastern Cottonwood	125.68	
32 93 43 00-0416 EA 2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	165.67	
32 93 43 00-0417 EA 3" Caliper Populus deltoides & cvs - Eastern Cottonwood	199.94	
32 93 43 00-0418 EA 3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	239.93	
32 93 43 00-0419 EA 4" Caliper Populus deltoides & cvs - Eastern Cottonwood	285.63	
32 93 43 00-0420 EA 2" Caliper Quercus palustris - Pin Oak	125.68	
32 93 43 00-0421 EA 2-1/2" Caliper Quercus palustris - Pin Oak	171.38	
32 93 43 00-0422 EA 3" Caliper Quercus palustris - Pin Oak	222.79	
32 93 43 00-0423 EA 3-1/2" Caliper Quercus palustris - Pin Oak	257.07	
32 93 43 00-0424 EA 4" Caliper Quercus palustris - Pin Oak	297.06	
32 93 43 00-0425 EA 4-1/2" Caliper Quercus palustris - Pin Oak	337.04	
32 93 43 00-0426 EA 5" Caliper Quercus palustris - Pin Oak	371.32	
32 93 43 00-0427 EA 2" Caliper Quercus shumardii - Shumard Oak	194.23	
32 93 43 00-0428 EA 2-1/2" Caliper Quercus shumardii - Shumard Oak	245.64	
32 93 43 00-0429 EA 3" Caliper Quercus shumardii - Shumard Oak	285.63	
32 93 43 00-0430 EA 3-1/2" Caliper Quercus shumardii - Shumard Oak	342.76	
32 93 43 00-0431 EA 4" Caliper Quercus shumardii - Shumard Oak	399.88	
32 93 43 00-0432 EA 4-1/2" Caliper Quercus shumardii - Shumard Oak	457.01	
32 93 43 00-0433 EA 5" Caliper Quercus shumardii - Shumard Oak	514.13	
32 93 43 00-0434 EA 24" Box Salix babylonica - Weeping Willow	144.39	
32 93 43 00-0435 EA 36" Box Salix babylonica - Weeping Willow	361.00	
32 93 43 00-0436 EA 1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	83.04	
32 93 43 00-0437 EA 2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	99.28	



Exterior Improvements	32	32
Planting	32 90	
Plants	32 93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0438 EA 2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	108.30	
32 93 43 00-0439 EA 2' Thuja occidentalis - American Arborvitae	19.58	
32 93 43 00-0440 EA 2-1/2" Thuja occidentalis - American Arborvitae	21.15	
32 93 43 00-0441 EA 3' Thuja occidentalis - American Arborvitae	30.22	
32 93 43 00-0442 EA 4' Thuja occidentalis - American Arborvitae	41.52	
32 93 43 00-0443 EA 5' Thuja occidentalis - American Arborvitae	57.81	
32 93 43 00-0444 EA 6' Thuja occidentalis - American Arborvitae	80.15	
32 93 43 00-0445 EA 7' Thuja occidentalis - American Arborvitae	97.23	
32 93 43 00-0446 EA 8' Thuja occidentalis - American Arborvitae	136.65	
32 93 43 00-0447 EA 2" Caliper Tilia cordata & cvs - Littleleaf Linden	143.67	
32 93 43 00-0448 EA 2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	173.55	
32 93 43 00-0449 EA 3" Caliper Tilia cordata & cvs - Littleleaf Linden	199.94	
32 93 43 00-0450 EA 3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	245.64	
32 93 43 00-0451 EA 4" Caliper Tilia cordata & cvs - Littleleaf Linden	279.92	
32 93 43 00-0452 EA 4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	314.19	
32 93 43 00-0453 EA 5" Caliper Tilia cordata & cvs - Littleleaf Linden	348.47	
32 93 43 00-0454 EA 2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	159.95	
32 93 43 00-0455 EA 2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	182.80	
32 93 43 00-0456 EA 3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	199.94	
32 93 43 00-0457 EA 3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	217.08	
32 93 43 00-0458 EA 4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	239.93	
32 93 43 00-0459 EA 4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	285.63	
32 93 43 00-0460 EA 5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	337.04	
32 93 43 00-0461 EA 2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	182.80	
32 93 43 00-0462 EA 2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	199.94	
32 93 43 00-0463 EA 3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	217.08	
32 93 43 00-0464 EA 3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	239.93	
32 93 43 00-0465 EA 4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	285.63	
32 93 43 00-0466 EA 4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	337.04	
32 93 43 00-0467 EA 5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	388.46	
32 93 43 00-0468 EA 2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	182.80	
32 93 43 00-0469 EA 2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm	199.94	
32 93 43 00-0470 EA 3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	217.08	
32 93 43 00-0471 EA 3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	239.93	
32 93 43 00-0472 EA 4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	285.63	
32 93 43 00-0473 EA 4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	337.04	
32 93 43 00-0474 EA 5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	388.46	
32 93 43 00-0475 EA 1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	341.12	
32 93 43 00-0476 EA 2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	608.89	
32 93 43 00-0477 EA 2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	891.32	
32 93 43 00-0478 EA 3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,107.74	
32 93 43 00-0479 EA 3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,434.19	
32 93 43 00-0480 EA 4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,632.26	
32 93 43 00-0481 EA 24" Box Platanus acerifolia "Bloodgold" - London Plane	429.16	
32 93 43 00-0482 EA 1-1/2" Caliper Quercus suber - Cork Oak	513.52	
32 93 43 00-0483 EA 2" Caliper Quercus suber - Cork Oak	711.59	
32 93 43 00-0484 EA 2-1/2" Caliper Quercus suber - Cork Oak	909.66	
32 93 43 00-0485 EA 3" Caliper Quercus suber - Cork Oak	1,137.08	
32 93 43 00-0486 EA 3-1/2" Caliper Quercus suber - Cork Oak	1,705.62	
32 93 43 00-0487 EA 4" Caliper Quercus suber - Cork Oak	2,200.80	
32 93 43 00-0488 EA 4-1/2" Caliper Quercus suber - Cork Oak	2,861.04	
32 93 43 00-0489 EA 1-1/2" Caliper Quercus ilex - Holly Oak	568.54	
32 93 43 00-0490 EA 2" Caliper Quercus ilex - Holly Oak	766.61	
32 93 43 00-0491 EA 2-1/2" Caliper Quercus ilex - Holly Oak	939.01	
32 93 43 00-0492 EA 3" Caliper Quercus ilex - Holly Oak	1,137.08	
32 93 43 00-0493 EA 3-1/2" Caliper Quercus ilex - Holly Oak	1,705.62	
32 93 43 00-0494 EA 4" Caliper Quercus ilex - Holly Oak	2,200.80	
32 93 43 00-0495 Evergreen Trees (32 93 43)		
Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0496 EA 2' To 3' Cedrus atlantica - Blue Atlas Cedar	25.16	
32 93 43 00-0497 EA 3' To 4' Cedrus atlantica - Blue Atlas Cedar	40.45	
32 93 43 00-0498 EA 4' To 5' Cedrus atlantica - Blue Atlas Cedar	60.09	
32 93 43 00-0499 EA 5' To 6' Cedrus atlantica - Blue Atlas Cedar	80.84	
32 93 43 00-0500 EA 7' To 8' Cedrus atlantica - Blue Atlas Cedar	114.77	
32 93 43 00-0501 EA 6' To 8' Cedrus deodara - Indian Cedar	103.85	
32 93 43 00-0502 EA 8' To 10' Cedrus deodara - Indian Cedar	120.24	
32 93 43 00-0503 EA 10' To 12' Cedrus deodara - Indian Cedar	163.94	
32 93 43 00-0504 EA 12' To 14' Cedrus deodara - Indian Cedar	213.11	
32 93 43 00-0505 EA 14' To 16' Cedrus deodara - Indian Cedar	273.25	
32 93 43 00-0506 EA 15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	32.46	
32 93 43 00-0507 EA 18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	48.69	
32 93 43 00-0508 EA 2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	75.74	
32 93 43 00-0509 EA 3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	129.85	
32 93 43 00-0510 EA 5 Gallon Cupressocyparis leylandii - Leyland Cypress	17.86	
32 93 43 00-0511 EA 15 Gallon Cupressocyparis leylandii - Leyland Cypress	71.44	
32 93 43 00-0512 EA 4' To 5' Cupressocyparis leylandii - Leyland Cypress	31.25	
32 93 43 00-0513 EA 5' To 6' Cupressocyparis leylandii - Leyland Cypress	40.18	
32 93 43 00-0514 EA 6' To 7' Cupressocyparis leylandii - Leyland Cypress	62.51	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0515	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	151.81	
32 93 43 00-0516	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.26	
32 93 43 00-0517	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	14.66	
32 93 43 00-0518	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	48.85	
32 93 43 00-0519	EA	5 Gallon Cupressus sempervirens - Italian Cypress	16.81	
32 93 43 00-0520	EA	15 Gallon Cupressus sempervirens - Italian Cypress	46.22	
32 93 43 00-0521	EA	1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	4.94	
32 93 43 00-0522	EA	2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	9.66	
32 93 43 00-0523	EA	3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	11.98	
32 93 43 00-0524	EA	5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	14.08	
32 93 43 00-0525	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.94	
32 93 43 00-0526	EA	2 Gallon Juniperus - Blue Sargent Juniper	9.66	
32 93 43 00-0527	EA	3 Gallon Juniperus - Blue Sargent Juniper	11.98	
32 93 43 00-0528	EA	5 Gallon Juniperus - Blue Sargent Juniper	14.08	
32 93 43 00-0529	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	14.08	
32 93 43 00-0530	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	15.23	
32 93 43 00-0531	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	18.38	
32 93 43 00-0532	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	27.31	
32 93 43 00-0533	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	31.62	
32 93 43 00-0534	EA	5' To 6' Juniperus - Fairview Juniper	47.10	
32 93 43 00-0535	EA	1 Gallon Juniperus - Hollywood Juniper	6.30	
32 93 43 00-0536	EA	5 Gallon Juniperus - Hollywood Juniper	17.54	
32 93 43 00-0537	EA	15 Gallon Juniperus - Hollywood Juniper	74.38	
32 93 43 00-0538	EA	4' To 5' Juniperus - Hollywood Juniper	49.17	
32 93 43 00-0539	EA	5' To 6' Juniperus - Hollywood Juniper	63.35	
32 93 43 00-0540	EA	1 Gallon Juniperus - Parson's Juniper	4.94	
32 93 43 00-0541	EA	2 Gallon Juniperus - Parson's Juniper	9.77	
32 93 43 00-0542	EA	3 Gallon Juniperus - Parson's Juniper	12.08	
32 93 43 00-0543	EA	5 Gallon Juniperus - Parson's Juniper	14.29	
32 93 43 00-0544	EA	5 Gallon Juniperus - Skyrocket Juniper	17.65	
32 93 43 00-0545	EA	15 Gallon Juniperus - Skyrocket Juniper	75.11	
32 93 43 00-0546	EA	2' To 3' Juniperus - Skyrocket Juniper	26.47	
32 93 43 00-0547	EA	3' To 4' Juniperus - Skyrocket Juniper	37.50	
32 93 43 00-0548	EA	4' To 5' Juniperus - Skyrocket Juniper	49.69	
32 93 43 00-0549	EA	5' To 6' Juniperus - Skyrocket Juniper	64.08	
32 93 43 00-0550	EA	6' To 8' Juniperus - Skyrocket Juniper	82.78	
32 93 43 00-0551	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.94	
32 93 43 00-0552	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	9.72	
32 93 43 00-0553	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	11.92	
32 93 43 00-0554	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	14.13	
32 93 43 00-0555	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.94	
32 93 43 00-0556	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	9.72	
32 93 43 00-0557	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	11.92	
32 93 43 00-0558	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	14.13	
32 93 43 00-0559	EA	3' Pinus sylvestris - Scotch Pine	45.89	
32 93 43 00-0560	EA	4' Pinus sylvestris - Scotch Pine	63.70	
32 93 43 00-0561	EA	5' Pinus sylvestris - Scotch Pine	89.41	
32 93 43 00-0562	EA	6' Pinus sylvestris - Scotch Pine	124.05	
32 93 43 00-0563	EA	7' Pinus sylvestris - Scotch Pine	151.99	
32 93 43 00-0564	EA	8' Pinus sylvestris - Scotch Pine	214.57	
32 93 43 00-0565	EA	9' Pinus sylvestris - Scotch Pine	272.41	
32 93 43 00-0566	EA	10' Pinus sylvestris - Scotch Pine	314.32	
32 93 43 00-0567	EA	12' Pinus sylvestris - Scotch Pine	370.19	
32 93 43 00-0568	EA	14' Pinus sylvestris - Scotch Pine	419.09	
32 93 43 00-0569	EA	16' Pinus sylvestris - Scotch Pine	488.93	
32 93 43 00-0570	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	4.94	
32 93 43 00-0571	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	17.54	
32 93 43 00-0572	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	56.84	
32 93 43 00-0573	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	24.06	
32 93 43 00-0574	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	30.57	
32 93 43 00-0575	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	45.91	
32 93 43 00-0576	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	89.61	
32 93 43 00-0577	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	100.54	
32 93 43 00-0578	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	125.65	
32 93 43 00-0579	EA	6' Pinus flexilis & cvs - Limber Pine	174.62	
32 93 43 00-0580	EA	7' Pinus flexilis & cvs - Limber Pine	202.56	
32 93 43 00-0581	EA	8' Pinus flexilis & cvs - Limber Pine	251.45	
32 93 43 00-0582	EA	9' Pinus flexilis & cvs - Limber Pine	307.33	
32 93 43 00-0583	EA	10' Pinus flexilis & cvs - Limber Pine	349.24	
32 93 43 00-0584	EA	1 Gallon Pinus mugo - Mugho Pine	6.51	
32 93 43 00-0585	EA	2 Gallon Pinus mugo - Mugho Pine	13.76	
32 93 43 00-0586	EA	3 Gallon Pinus mugo - Mugho Pine	17.23	
32 93 43 00-0587	EA	5 Gallon Pinus mugo - Mugho Pine	21.85	
32 93 43 00-0588	EA	12" To 15" Spread Pinus mugo - Mugho Pine	16.91	
32 93 43 00-0589	EA	15" To 18" Spread Pinus mugo - Mugho Pine	20.17	
32 93 43 00-0590	EA	18" To 24" Spread Pinus mugo - Mugho Pine	27.31	
32 93 43 00-0591	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	38.24	
32 93 43 00-0592	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	49.17	
32 93 43 00-0593	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	61.25	
32 93 43 00-0594	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	74.38	
32 93 43 00-0595	EA	6' Pinus nigra - Austrian Pine	174.62	



Exterior Improvements	32	32
Planting	32 90	
Plants	32 93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0596 EA 7' Pinus nigra - Austrian Pine.....	209.54	
32 93 43 00-0597 EA 8' Pinus nigra - Austrian Pine.....	272.41	
32 93 43 00-0598 EA 9' Pinus nigra - Austrian Pine.....	314.32	
32 93 43 00-0599 EA 10' Pinus nigra - Austrian Pine.....	370.19	
32 93 43 00-0600 EA 12' Pinus nigra - Austrian Pine.....	419.09	
32 93 43 00-0601 EA 14' Pinus nigra - Austrian Pine.....	467.98	
32 93 43 00-0602 EA 16' Pinus nigra - Austrian Pine.....	530.84	
32 93 43 00-0603 EA 1 Gallon Podocarpus - Chinese Podocarpus.....	3.26	
32 93 43 00-0604 EA 3 Gallon Podocarpus - Chinese Podocarpus.....	7.56	
32 93 43 00-0605 EA 7 Gallon Podocarpus - Chinese Podocarpus.....	21.85	
32 93 43 00-0606 EA 15 Gallon Podocarpus - Chinese Podocarpus.....	35.51	
32 93 43 00-0607 EA 4' To 5' Podocarpus - Chinese Podocarpus.....	54.63	
32 93 43 00-0608 EA 5' To 6' Sequoia sempervirens - Dawn Redwood.....	68.29	
32 93 43 00-0609 EA 6' To 8' Sequoia sempervirens - Dawn Redwood.....	92.19	
32 93 43 00-0610 EA 8' To 10' Sequoia sempervirens - Dawn Redwood.....	112.67	
32 93 43 00-0611 EA 3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae.....	13.17	
32 93 43 00-0612 EA 3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae.....	24.65	
32 93 43 00-0613 EA 6' Cedrus decurrens - Incense Cedar.....	117.27	
32 93 43 00-0614 EA 8' Cedrus decurrens - Incense Cedar.....	242.58	
32 93 43 00-0615 EA 10' Cedrus decurrens - Incense Cedar.....	321.30	
32 93 43 00-0616 EA 12' Cedrus decurrens - Incense Cedar.....	425.72	
32 93 43 00-0617 EA 6' Melaleuca linariifolia - Flaxleaf Paperbark.....	337.36	
32 93 43 00-0618 EA 8' Melaleuca linariifolia - Flaxleaf Paperbark.....	449.82	
32 93 43 00-0619 EA 10' Melaleuca linariifolia - Flaxleaf Paperbark.....	562.28	
32 93 43 00-0620 EA 12' Melaleuca linariifolia - Flaxleaf Paperbark.....	674.73	
32 93 43 00-0621 EA 24" Box Melaleuca linariifolia - Flaxleaf Paperbark.....	334.15	
32 93 43 00-0622 EA 6' Melaleuca quinquenervia - Cajeput Tree.....	337.36	
32 93 43 00-0623 EA 8' Melaleuca quinquenervia - Cajeput Tree.....	449.82	
32 93 43 00-0624 EA 10' Melaleuca quinquenervia - Cajeput Tree.....	562.28	
32 93 43 00-0625 EA 12' Melaleuca quinquenervia - Cajeput Tree.....	674.73	
32 93 43 00-0626 EA 24" Box Melaleuca quinquenervia - Cajeput Tree.....	187.96	
32 93 43 00-0627 EA 30" Box Melaleuca quinquenervia - Cajeput Tree.....	473.92	
32 93 43 00-0628 EA 36" Box Melaleuca quinquenervia - Cajeput Tree.....	747.02	
32 93 43 00-0629 EA 4' Metrosideros excelsus - New Zealand Christmas Tree.....	99.60	
32 93 43 00-0630 EA 5' Metrosideros excelsus - New Zealand Christmas Tree.....	134.95	
32 93 43 00-0631 EA 6' Metrosideros excelsus - New Zealand Christmas Tree.....	229.73	
32 93 43 00-0632 EA 8' Metrosideros excelsus - New Zealand Christmas Tree.....	284.35	
32 93 43 00-0633 EA 24" Box Metrosideros excelsus - New Zealand Christmas Tree.....	189.20	
32 93 43 00-0634 EA 6' Pinus canariensis - Canary Island Pine.....	385.56	
32 93 43 00-0635 EA 8' Pinus canariensis - Canary Island Pine.....	514.08	
32 93 43 00-0636 EA 10' Pinus canariensis - Canary Island Pine.....	642.60	
32 93 43 00-0637 EA 12' Pinus canariensis - Canary Island Pine.....	771.12	
32 93 43 00-0638 EA 24" Box Pinus canariensis - Canary Island Pine.....	396.81	
32 93 43 00-0639 EA 6' Pinus pinea - Italian Stone Pine.....	385.56	
32 93 43 00-0640 EA 8' Pinus pinea - Italian Stone Pine.....	514.08	
32 93 43 00-0641 EA 10' Pinus pinea - Italian Stone Pine.....	642.60	
32 93 43 00-0642 EA 12' Pinus pinea - Italian Stone Pine.....	771.12	
32 93 43 00-0643 EA 6' Pittosporum undulatum - Victorian Box.....	212.06	
32 93 43 00-0644 EA 8' Pittosporum undulatum - Victorian Box.....	335.76	
32 93 43 00-0645 EA 10' Pittosporum undulatum - Victorian Box.....	441.79	
32 93 43 00-0646 EA 6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	401.62	
32 93 43 00-0647 EA 8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	530.14	
32 93 43 00-0648 EA 10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	674.73	
32 93 43 00-0649 EA 12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	803.25	
32 93 43 00-0650 EA 24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	187.96	
32 93 43 00-0651 EA 1 Gallon Podocarpus macrophyllus - Yew Pine.....	7.47	
32 93 43 00-0652 EA 3 Gallon Podocarpus macrophyllus - Yew Pine.....	17.51	
32 93 43 00-0653 EA 5 Gallon Podocarpus macrophyllus - Yew Pine.....	22.97	
32 93 43 00-0654 EA 15 Gallon Podocarpus macrophyllus - Yew Pine.....	99.60	
32 93 43 00-0655 EA 24" Box Podocarpus macrophyllus - Yew Pine.....	192.78	
32 93 43 00-0656 EA 24" Box Rhus lancea - African Sumac.....	198.40	
32 93 43 00-0657 EA 30" Box Rhus lancea - African Sumac.....	321.30	
32 93 43 00-0658 EA 8' Rhus lancea - African Sumac.....	481.95	
32 93 43 00-0659 EA 10' Rhus lancea - African Sumac.....	538.18	
32 93 43 00-0660 EA 12' Rhus lancea - African Sumac.....	642.60	

32 93 43 00-0661 Palm And Subtropical Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0662 EA 4' To 5' Archontophoenix cunninghamiana - King Palm.....	107.48
32 93 43 00-0663 EA 6' To 8' Archontophoenix cunninghamiana - King Palm.....	167.20
32 93 43 00-0664 EA 8' To 10' Archontophoenix cunninghamiana - King Palm.....	214.97
32 93 43 00-0665 EA 10' To 12' Archontophoenix cunninghamiana - King Palm.....	286.62
32 93 43 00-0666 EA 4' To 5' Arecastrum romanzoffianum - Queen Palm.....	81.43
32 93 43 00-0667 EA 6' To 8' Arecastrum romanzoffianum - Queen Palm.....	114.00
32 93 43 00-0668 EA 8' To 10' Arecastrum romanzoffianum - Queen Palm.....	146.57
32 93 43 00-0669 EA 10' To 12' Arecastrum romanzoffianum - Queen Palm.....	179.14
32 93 43 00-0670 EA 12' To 14' Arecastrum romanzoffianum - Queen Palm.....	217.14
32 93 43 00-0671 EA 14' To 16' Arecastrum romanzoffianum - Queen Palm.....	271.42
32 93 43 00-0672 EA 3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm.....	228.00

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0673 EA 5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm.....	358.28	
32 93 43 00-0674 EA 3' To 4' Chamaerops humilis - European Fan Palm.....	195.43	
32 93 43 00-0675 EA 5' To 6' Chamaerops humilis - European Fan Palm.....	260.57	
32 93 43 00-0676 EA 7' To 8' Chamaerops humilis - European Fan Palm.....	607.99	
32 93 43 00-0677 EA 9' To 10' Chamaerops humilis - European Fan Palm.....	1,042.27	
32 93 43 00-0678 EA 12' To 16' Cocos nucifera - Coconut Palm.....	457.88	
32 93 43 00-0679 EA 6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	152.00	
32 93 43 00-0680 EA 8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	304.00	
32 93 43 00-0681 EA 10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	390.85	
32 93 43 00-0682 EA 12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	542.85	
32 93 43 00-0683 EA 4' To 5' Rhaps excelsa - Lady Palm.....	412.57	
32 93 43 00-0684 EA 6' To 7' Rhaps excelsa - Lady Palm.....	586.28	
32 93 43 00-0685 EA 8' To 9' Roystonea regia - Royal Palm.....	332.22	
32 93 43 00-0686 EA 10' To 11' Roystonea regia - Royal Palm.....	406.05	
32 93 43 00-0687 EA 12' To 13' Roystonea regia - Royal Palm.....	479.88	
32 93 43 00-0688 EA 14' To 15' Roystonea regia - Royal Palm.....	553.71	
32 93 43 00-0689 EA 16' To 17' Roystonea regia - Royal Palm.....	627.53	
32 93 43 00-0690 EA 18' To 19' Roystonea regia - Royal Palm.....	701.36	
32 93 43 00-0691 EA 20' To 21' Roystonea regia - Royal Palm.....	775.19	
32 93 43 00-0692 EA 10' To 16' Sabal palmetto - Cabbage Palm.....	167.90	
32 93 43 00-0693 EA 6' To 7' Thrinax morrisii - Key Thatch Palm.....	455.99	
32 93 43 00-0694 EA 8' To 9' Thrinax morrisii - Key Thatch Palm.....	586.28	
32 93 43 00-0695 EA 10' To 11' Thrinax morrisii - Key Thatch Palm.....	716.56	
32 93 43 00-0696 EA 9' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	162.86	
32 93 43 00-0697 EA 11' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	271.42	
32 93 43 00-0698 EA 15' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	412.57	
32 93 43 00-0699 EA 17' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	466.85	
32 93 43 00-0700 EA 20' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	542.85	
32 93 43 00-0701 EA 4' To 5' Bauninia blakeana - Hong Kong Orchid.....	466.85	
32 93 43 00-0702 EA 6' Bauninia blakeana - Hong Kong Orchid.....	553.71	
32 93 43 00-0703 EA 8' Bauninia blakeana - Hong Kong Orchid.....	738.28	
32 93 43 00-0704 EA 10' Bauninia blakeana - Hong Kong Orchid.....	922.84	
32 93 43 00-0705 EA 4' To 5' Acacia baileyana - Bailey Acacia.....	262.78	
32 93 43 00-0706 EA 6' Acacia baileyana - Bailey Acacia.....	315.34	
32 93 43 00-0707 EA 8' Acacia baileyana - Bailey Acacia.....	367.89	
32 93 43 00-0708 EA 10' Acacia baileyana - Bailey Acacia.....	459.86	
32 93 43 00-0709 EA 6' Agonis flexuosa - Peppermint Tree.....	157.67	
32 93 43 00-0710 EA 8' Agonis flexuosa - Peppermint Tree.....	197.08	
32 93 43 00-0711 EA 10' Agonis flexuosa - Peppermint Tree.....	236.50	
32 93 43 00-0712 EA 24" Box Agonis flexuosa - Peppermint Tree.....	196.43	
32 93 43 00-0713 EA 6' Bauhinia purpurea - Purple Orchid Tree.....	586.28	
32 93 43 00-0714 EA 8' Bauhinia purpurea - Purple Orchid Tree.....	781.70	
32 93 43 00-0715 EA 10' Bauhinia purpurea - Purple Orchid Tree.....	977.13	
32 93 43 00-0716 EA 24" Box Bauhinia purpurea - Purple Orchid Tree.....	254.05	
32 93 43 00-0717 EA 6' Bauhinia variegata candida - White Orchid Tree.....	651.42	
32 93 43 00-0718 EA 8' Bauhinia variegata candida - White Orchid Tree.....	868.56	
32 93 43 00-0719 EA 10' Bauhinia variegata candida - White Orchid Tree.....	1,085.70	
32 93 43 00-0720 EA 6' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	354.75	
32 93 43 00-0721 EA 8' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	473.00	
32 93 43 00-0722 EA 10' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	591.26	
32 93 43 00-0723 EA 6' Eriobotrya deflexa - Bronze Loquat.....	586.28	
32 93 43 00-0724 EA 8' Eriobotrya deflexa - Bronze Loquat.....	781.70	
32 93 43 00-0725 EA 10' Eriobotrya deflexa - Bronze Loquat.....	977.13	
32 93 43 00-0726 EA 6' Eucalyptus erythrocorys - Red Cap Gum.....	586.28	
32 93 43 00-0727 EA 8' Eucalyptus erythrocorys - Red Cap Gum.....	781.70	
32 93 43 00-0728 EA 10' Eucalyptus erythrocorys - Red Cap Gum.....	977.13	
32 93 43 00-0729 EA 6' Eucalyptus torquata - Coral Gum.....	586.28	
32 93 43 00-0730 EA 8' Eucalyptus torquata - Coral Gum.....	781.70	
32 93 43 00-0731 EA 10' Eucalyptus torquata - Coral Gum.....	977.13	
32 93 43 00-0732 EA 8' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	367.89	
32 93 43 00-0733 EA 10' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	499.28	
32 93 43 00-0734 EA 12' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	617.53	
32 93 43 00-0735 EA 1 Gallon Washingtonia robusta - Mexican Fan Palm.....	9.30	
32 93 43 00-0736 EA 5 Gallon Washingtonia robusta - Mexican Fan Palm.....	28.94	
32 93 43 00-0737 EA 15 Gallon Washingtonia robusta - Mexican Fan Palm.....	101.31	
32 93 43 00-0738 EA 24" Box Washingtonia robusta - Mexican Fan Palm.....	330.80	
32 93 43 00-0739 EA 36" Box Washingtonia robusta - Mexican Fan Palm.....	878.69	
32 93 43 00-0740 EA 6' Washingtonia robusta - Mexican Fan Palm.....	586.28	
32 93 43 00-0741 EA 8' Washingtonia robusta - Mexican Fan Palm.....	781.70	
32 93 43 00-0742 EA 10' Washingtonia robusta - Mexican Fan Palm.....	977.13	
32 93 43 00-0743 EA 12' Washingtonia robusta - Mexican Fan Palm.....	1,172.56	
32 93 43 00-0744 EA 6' Olea europaea - Olive "Fruitless".....	433.76	
32 93 43 00-0745 EA 8' Olea europaea - Olive "Fruitless".....	578.34	
32 93 43 00-0746 EA 10' Olea europaea - Olive "Fruitless".....	722.92	
32 93 43 00-0747 EA 12' Olea europaea - Olive "Fruitless".....	867.51	
32 93 43 00-0748 EA 24" Box Olea europaea - Olive "Fruitless".....	533.36	
32 93 43 00-0749 EA 6' Eucalyptus polyanthemos - Silver Dollar Gum.....	586.28	
32 93 43 00-0750 EA 8' Eucalyptus polyanthemos - Silver Dollar Gum.....	781.70	
32 93 43 00-0751 EA 10' Eucalyptus polyanthemos - Silver Dollar Gum.....	977.13	
32 93 43 00-0752 EA 6' Eucalyptus leucoxylon - White Ironbark.....	586.28	
32 93 43 00-0753 EA 8' Eucalyptus leucoxylon - White Ironbark.....	781.70	



Exterior Improvements	32	32
Planting	32 90	
Plants	32 93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0754 EA 10' Eucalyptus leucoxylon - White Ironbark	977.13	
32 93 43 00-0755 EA 12' Eucalyptus leucoxylon - White Ironbark	1,172.56	
32 93 43 00-0756 EA 6' Callistemon viminalis - Weeping Bottle Brush	354.75	
32 93 43 00-0757 EA 8' Callistemon viminalis - Weeping Bottle Brush	473.00	
32 93 43 00-0758 EA 10' Callistemon viminalis - Weeping Bottle Brush	591.26	
32 93 43 00-0759 EA 12' Callistemon viminalis - Weeping Bottle Brush	709.51	
32 93 43 00-0760 EA 6' Eucalyptus gunnii - Cider Gum	586.28	
32 93 43 00-0761 EA 8' Eucalyptus gunnii - Cider Gum	781.70	
32 93 43 00-0762 EA 10' Eucalyptus gunnii - Cider Gum	977.13	
32 93 43 00-0763 EA 6' Jacarandra acutifolia - Jacaranda	586.28	
32 93 43 00-0764 EA 8' Jacarandra acutifolia - Jacaranda	781.70	
32 93 43 00-0765 EA 10' Jacarandra acutifolia - Jacaranda	977.13	
32 93 43 00-0766 EA 24" Box Jacarandra acutifolia - Jacaranda	254.05	
32 93 43 00-0767 EA 5 Gallon Phoenix roebelenii - Pygmy Date Palm	34.30	
32 93 43 00-0768 EA 7 Gallon Phoenix roebelenii - Pygmy Date Palm	83.62	
32 93 43 00-0769 EA 15 Gallon Phoenix roebelenii - Pygmy Date Palm	126.50	
32 93 43 00-0770 EA 24" Box Phoenix roebelenii - Pygmy Date Palm	375.20	
32 93 43 00-0771 EA 5 Gallon Pistacia chinensis - Chinese Pistache	39.09	
32 93 43 00-0772 EA 15 Gallon Pistacia chinensis - Chinese Pistache	130.28	
32 93 43 00-0773 EA 24" Box Pistacia chinensis - Chinese Pistache	505.94	
32 93 43 00-0774 EA 36" Box Pistacia chinensis - Chinese Pistache	1,346.27	
32 93 43 00-0775 EA 48" Box Pistacia chinensis - Chinese Pistache	2,866.25	
32 93 43 00-0776 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Single	24.44	
32 93 43 00-0777 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Single	81.46	
32 93 43 00-0778 EA 24" Box Pyrus kawakamii - Evergreen Pear, Single	306.14	
32 93 43 00-0779 EA 30" Box Pyrus kawakamii - Evergreen Pear, Single	559.72	
32 93 43 00-0780 EA 36" Box Pyrus kawakamii - Evergreen Pear, Single	814.62	
32 93 43 00-0781 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	24.44	
32 93 43 00-0782 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	86.72	
32 93 43 00-0783 EA 24" Box Pyrus kawakamii - Evergreen Pear, Multi	315.34	
32 93 43 00-0784 EA 30" Box Pyrus kawakamii - Evergreen Pear, Multi	559.72	
32 93 43 00-0785 EA 36" Box Pyrus kawakamii - Evergreen Pear, Multi	814.62	

32 93 83 Planting of Trees, Shrubs and Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002 EA 3" To 5" Bare Root Seedlings Tree Planting	1.45	
32 93 83 00-0003 EA 6" To 10" Bare Root Seedlings Tree Planting	2.33	
32 93 83 00-0004 EA 11" To 16" Bare Root Seedlings Tree Planting	2.91	
32 93 83 00-0005 EA 17" To 24" Bare Root Seedlings Tree Planting	4.67	
32 93 83 00-0006 EA 1 Gallon Container Tree Planting	23.32	
For >10 To 25, Deduct	-1.17	
For >25 To 50, Deduct	-2.92	
For >50 To 100, Deduct	-4.66	
For >100, Deduct	-7.00	
32 93 83 00-0007 EA 2 Gallon Container Tree Planting	32.64	
For >10 To 25, Deduct	-1.63	
For >25 To 50, Deduct	-4.08	
For >50 To 100, Deduct	-6.53	
For >100, Deduct	-9.79	
32 93 83 00-0008 EA 3 Gallon Container Tree Planting	41.96	
For >10 To 25, Deduct	-2.10	
For >25 To 50, Deduct	-5.25	
For >50 To 100, Deduct	-8.39	
For >100, Deduct	-12.59	
32 93 83 00-0009 EA 5 Gallon Container Tree Planting	69.95	
For >10 To 25, Deduct	-3.50	
For >25 To 50, Deduct	-8.74	
For >50 To 100, Deduct	-13.99	
For >100, Deduct	-20.99	
32 93 83 00-0010 EA 7 Gallon Container Tree Planting	93.26	
For >10 To 25, Deduct	-4.66	
For >25 To 50, Deduct	-11.66	
For >50 To 100, Deduct	-18.65	
For >100, Deduct	-27.98	
32 93 83 00-0011 EA 10 Gallon Container Tree Planting	121.23	
For >10 To 25, Deduct	-6.06	
For >25 To 50, Deduct	-15.15	
For >50 To 100, Deduct	-24.25	
For >100, Deduct	-36.37	
32 93 83 00-0012 EA 15 Gallon Container Tree Planting	172.52	
For >10 To 25, Deduct	-8.63	
For >25 To 50, Deduct	-21.57	
For >50 To 100, Deduct	-34.50	
For >100, Deduct	-51.76	
32 93 83 00-0013 EA 20 Gallon Container Tree Planting	284.43	
For >10 To 25, Deduct	-14.22	
For >25 To 50, Deduct	-35.55	
For >50 To 100, Deduct	-56.89	
For >100, Deduct	-85.33	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0014 EA 25 Gallon Container Tree Planting.....	368.36	
For>10 To 25, Deduct	-18.42	
For>25 To 50, Deduct	-46.05	
For>50 To 100, Deduct	-73.67	
For>100, Deduct	-110.51	
32 93 83 00-0015 EA 30 Gallon Container Tree Planting.....	442.97	
For>10 To 25, Deduct	-22.15	
For>25 To 50, Deduct	-55.37	
For>50 To 100, Deduct	-88.59	
For>100, Deduct	-132.89	
32 93 83 00-0016 EA 45 Gallon Container Tree Planting.....	550.21	
For>10 To 25, Deduct	-27.51	
For>25 To 50, Deduct	-68.78	
For>50 To 100, Deduct	-110.04	
For>100, Deduct	-165.06	
32 93 83 00-0017 EA 65 Gallon Container Tree Planting.....	652.79	
For>10 To 25, Deduct	-32.64	
For>25 To 50, Deduct	-81.60	
For>50 To 100, Deduct	-130.56	
For>100, Deduct	-195.84	
32 93 83 00-0018 EA 6' Balled And Burlapped Tree Planting	233.14	
For>10 To 25, Deduct	-11.66	
For>25 To 50, Deduct	-29.14	
For>50 To 100, Deduct	-46.63	
For>100, Deduct	-69.94	
32 93 83 00-0019 EA 7' Balled And Burlapped Tree Planting	310.54	
For>10 To 25, Deduct	-15.53	
For>25 To 50, Deduct	-38.82	
For>50 To 100, Deduct	-62.11	
For>100, Deduct	-93.16	
32 93 83 00-0020 EA 8' Balled And Burlapped Tree Planting	349.71	
For>10 To 25, Deduct	-17.49	
For>25 To 50, Deduct	-43.71	
For>50 To 100, Deduct	-69.94	
For>100, Deduct	-104.91	
32 93 83 00-0021 EA 10' Balled And Burlapped Tree Planting	408.00	
For>10 To 25, Deduct	-20.40	
For>25 To 50, Deduct	-51.00	
For>50 To 100, Deduct	-81.60	
For>100, Deduct	-122.40	
32 93 83 00-0022 EA 12' Balled And Burlapped Tree Planting	545.55	
For>10 To 25, Deduct	-27.28	
For>25 To 50, Deduct	-68.19	
For>50 To 100, Deduct	-109.11	
For>100, Deduct	-163.67	
32 93 83 00-0023 EA 14' Balled And Burlapped Tree Planting	624.82	
For>10 To 25, Deduct	-31.24	
For>25 To 50, Deduct	-78.10	
For>50 To 100, Deduct	-124.96	
For>100, Deduct	-187.45	
32 93 83 00-0024 EA 16' Balled And Burlapped Tree Planting	757.71	
For>10 To 25, Deduct	-37.89	
For>25 To 50, Deduct	-94.71	
For>50 To 100, Deduct	-151.54	
For>100, Deduct	-227.31	
32 93 83 00-0025 EA 18' Balled And Burlapped Tree Planting	909.25	
For>10 To 25, Deduct	-45.46	
For>25 To 50, Deduct	-113.66	
For>50 To 100, Deduct	-181.85	
For>100, Deduct	-272.78	
32 93 83 00-0026 EA 20' Balled And Burlapped Tree Planting	1,049.13	
For>10 To 25, Deduct	-52.46	
For>25 To 50, Deduct	-131.14	
For>50 To 100, Deduct	-209.83	
For>100, Deduct	-314.74	
32 93 83 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting	349.71	
For>10 To 25, Deduct	-17.49	
For>25 To 50, Deduct	-43.71	
For>50 To 100, Deduct	-69.94	
For>100, Deduct	-104.91	
32 93 83 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting	408.00	
For>10 To 25, Deduct	-20.40	
For>25 To 50, Deduct	-51.00	
For>50 To 100, Deduct	-81.60	
For>100, Deduct	-122.40	
32 93 83 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting	547.88	
For>10 To 25, Deduct	-27.39	
For>25 To 50, Deduct	-68.49	
For>50 To 100, Deduct	-109.58	
For>100, Deduct	-164.36	
32 93 83 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting	629.49	
For>10 To 25, Deduct	-31.47	
For>25 To 50, Deduct	-78.69	
For>50 To 100, Deduct	-125.90	
For>100, Deduct	-188.85	



Exterior Improvements			32
Planting			32 90
Plants			32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0031	EA		3-1/2" Caliper Balled And Burlapped Tree Planting	699.42	
			For >10 To 25, Deduct	-34.97	
			For >25 To 50, Deduct	-87.43	
			For >50 To 100, Deduct	-139.88	
			For >100, Deduct	-209.83	
32 93 83 00-0032	EA		4" Caliper Balled And Burlapped Tree Planting	802.01	
			For >10 To 25, Deduct	-40.10	
			For >25 To 50, Deduct	-100.25	
			For >50 To 100, Deduct	-160.40	
			For >100, Deduct	-240.60	
32 93 83 00-0033 Planting Shrubs (32 93 83)					
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.					
32 93 83 00-0034	EA		1 Gallon Container Shrub Planting	19.83	
			For >10 To 25, Deduct	-0.99	
			For >25 To 50, Deduct	-2.48	
			For >50 To 100, Deduct	-3.97	
			For >100, Deduct	-5.95	
32 93 83 00-0035	EA		2 Gallon Container Shrub Planting	27.97	
			For >10 To 25, Deduct	-1.40	
			For >25 To 50, Deduct	-3.50	
			For >50 To 100, Deduct	-5.59	
			For >100, Deduct	-8.39	
32 93 83 00-0036	EA		3 Gallon Container Shrub Planting	34.97	
			For >10 To 25, Deduct	-1.75	
			For >25 To 50, Deduct	-4.37	
			For >50 To 100, Deduct	-6.99	
			For >100, Deduct	-10.49	
32 93 83 00-0037	EA		4 Gallon Container Shrub Planting	46.63	
			For >10 To 25, Deduct	-2.33	
			For >25 To 50, Deduct	-5.83	
			For >50 To 100, Deduct	-9.33	
			For >100, Deduct	-13.99	
32 93 83 00-0038	EA		5 Gallon Container Shrub Planting	58.29	
			For >10 To 25, Deduct	-2.91	
			For >25 To 50, Deduct	-7.29	
			For >50 To 100, Deduct	-11.66	
			For >100, Deduct	-17.49	
32 93 83 00-0039	EA		7 Gallon Container Shrub Planting	79.27	
			For >10 To 25, Deduct	-3.96	
			For >25 To 50, Deduct	-9.91	
			For >50 To 100, Deduct	-15.85	
			For >100, Deduct	-23.78	
32 93 83 00-0040	EA		10 Gallon Container Shrub Planting	104.91	
			For >10 To 25, Deduct	-5.25	
			For >25 To 50, Deduct	-13.11	
			For >50 To 100, Deduct	-20.98	
			For >100, Deduct	-31.47	
32 93 83 00-0041	EA		15 Gallon Container Shrub Planting	144.55	
			For >10 To 25, Deduct	-7.23	
			For >25 To 50, Deduct	-18.07	
			For >50 To 100, Deduct	-28.91	
			For >100, Deduct	-43.37	
32 93 83 00-0042	EA		20 Gallon Container Shrub Planting	242.47	
			For >10 To 25, Deduct	-12.12	
			For >25 To 50, Deduct	-30.31	
			For >50 To 100, Deduct	-48.49	
			For >100, Deduct	-72.74	
32 93 83 00-0043	EA		25 Gallon Container Shrub Planting	310.54	
			For >10 To 25, Deduct	-15.53	
			For >25 To 50, Deduct	-38.82	
			For >50 To 100, Deduct	-62.11	
			For >100, Deduct	-93.16	
32 93 83 00-0044	EA		15" Balled And Burlapped Shrub Planting	65.28	
			For >10 To 25, Deduct	-3.26	
			For >25 To 50, Deduct	-8.16	
			For >50 To 100, Deduct	-13.06	
			For >100, Deduct	-19.58	
32 93 83 00-0045	EA		18" Balled And Burlapped Shrub Planting	67.61	
			For >10 To 25, Deduct	-3.38	
			For >25 To 50, Deduct	-8.45	
			For >50 To 100, Deduct	-13.52	
			For >100, Deduct	-20.28	
32 93 83 00-0046	EA		24" Balled And Burlapped Shrub Planting	74.60	
			For >10 To 25, Deduct	-3.73	
			For >25 To 50, Deduct	-9.33	
			For >50 To 100, Deduct	-14.92	
			For >100, Deduct	-22.38	
32 93 83 00-0047	EA		30" Balled And Burlapped Shrub Planting	74.60	
			For >10 To 25, Deduct	-3.73	
			For >25 To 50, Deduct	-9.33	
			For >50 To 100, Deduct	-14.92	
			For >100, Deduct	-22.38	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0048 EA 36" Balled And Burlapped Shrub Planting	81.60	
For>10 To 25, Deduct	-4.08	
For>25 To 50, Deduct	-10.20	
For>50 To 100, Deduct	-16.32	
For>100, Deduct	-24.48	
32 93 83 00-0049 EA 42" Balled And Burlapped Shrub Planting	86.26	
For>10 To 25, Deduct	-4.31	
For>25 To 50, Deduct	-10.78	
For>50 To 100, Deduct	-17.25	
For>100, Deduct	-25.88	
32 93 83 00-0050 EA 48" Balled And Burlapped Shrub Planting	93.26	
For>10 To 25, Deduct	-4.66	
For>25 To 50, Deduct	-11.66	
For>50 To 100, Deduct	-18.65	
For>100, Deduct	-27.98	
32 93 83 00-0051 EA 5' Balled And Burlapped Shrub Planting	139.88	
For>10 To 25, Deduct	-6.99	
For>25 To 50, Deduct	-17.49	
For>50 To 100, Deduct	-27.98	
For>100, Deduct	-41.96	
32 93 83 00-0052 EA 6' Balled And Burlapped Shrub Planting	198.17	
For>10 To 25, Deduct	-9.91	
For>25 To 50, Deduct	-24.77	
For>50 To 100, Deduct	-39.63	
For>100, Deduct	-59.45	
32 93 83 00-0053 EA 7' Balled And Burlapped Shrub Planting	263.45	
For>10 To 25, Deduct	-13.17	
For>25 To 50, Deduct	-32.93	
For>50 To 100, Deduct	-52.69	
For>100, Deduct	-79.04	
32 93 83 00-0054 EA 8' Balled And Burlapped Shrub Planting	298.42	
For>10 To 25, Deduct	-14.92	
For>25 To 50, Deduct	-37.30	
For>50 To 100, Deduct	-59.68	
For>100, Deduct	-89.53	
32 93 83 00-0055 EA 9' Balled And Burlapped Shrub Planting	321.74	
For>10 To 25, Deduct	-16.09	
For>25 To 50, Deduct	-40.22	
For>50 To 100, Deduct	-64.35	
For>100, Deduct	-96.52	
32 93 83 00-0056 EA 10' Balled And Burlapped Shrub Planting	349.71	
For>10 To 25, Deduct	-17.49	
For>25 To 50, Deduct	-43.71	
For>50 To 100, Deduct	-69.94	
For>100, Deduct	-104.91	
32 93 83 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 83)		
See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0058 EA 2-1/4" Diameter Potted Groundcover And Flower Planting	1.95	
For>10 To 25, Deduct	-0.10	
For>25 To 50, Deduct	-0.24	
For>50 To 100, Deduct	-0.39	
For>100, Deduct	-0.59	
32 93 83 00-0059 EA 3" Diameter Potted Groundcover And Flower Planting	2.22	
For>10 To 25, Deduct	-0.11	
For>25 To 50, Deduct	-0.28	
For>50 To 100, Deduct	-0.44	
For>100, Deduct	-0.67	
32 93 83 00-0060 EA 4" Diameter Potted Groundcover And Flower Planting	2.59	
For>10 To 25, Deduct	-0.13	
For>25 To 50, Deduct	-0.32	
For>50 To 100, Deduct	-0.52	
For>100, Deduct	-0.78	
32 93 83 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting	3.11	
For>10 To 25, Deduct	-0.16	
For>25 To 50, Deduct	-0.39	
For>50 To 100, Deduct	-0.62	
For>100, Deduct	-0.93	
32 93 83 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting	3.88	
For>10 To 25, Deduct	-0.19	
For>25 To 50, Deduct	-0.49	
For>50 To 100, Deduct	-0.78	
For>100, Deduct	-1.16	
32 93 83 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting	5.83	
For>10 To 25, Deduct	-0.29	
For>25 To 50, Deduct	-0.73	
For>50 To 100, Deduct	-1.17	
For>100, Deduct	-1.75	
32 93 83 00-0064 EA 1 Gallon Container Groundcover And Flower Planting	18.65	
For>10 To 25, Deduct	-0.93	
For>25 To 50, Deduct	-2.33	
For>50 To 100, Deduct	-3.73	
For>100, Deduct	-5.60	



Exterior Improvements			32
Planting			32 90
Plants			32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0065 EA 2 Gallon Container Groundcover And Flower Planting	25.65	
For >10 To 25, Deduct	-1.28	
For >25 To 50, Deduct	-3.21	
For >50 To 100, Deduct	-5.13	
For >100, Deduct	-7.70	
32 93 83 00-0066 EA 3 Gallon Container Groundcover And Flower Planting	32.64	
For >10 To 25, Deduct	-1.63	
For >25 To 50, Deduct	-4.08	
For >50 To 100, Deduct	-6.53	
For >100, Deduct	-9.79	
32 93 83 00-0067 EA 4 Gallon Container Groundcover And Flower Planting	41.96	
For >10 To 25, Deduct	-2.10	
For >25 To 50, Deduct	-5.25	
For >50 To 100, Deduct	-8.39	
For >100, Deduct	-12.59	
32 93 83 00-0068 EA 5 Gallon Container Groundcover And Flower Planting	51.29	
For >10 To 25, Deduct	-2.56	
For >25 To 50, Deduct	-6.41	
For >50 To 100, Deduct	-10.26	
For >100, Deduct	-15.39	
32 93 83 00-0069 EA 7 Gallon Container Groundcover And Flower Planting	69.95	
For >10 To 25, Deduct	-3.50	
For >25 To 50, Deduct	-8.74	
For >50 To 100, Deduct	-13.99	
For >100, Deduct	-20.99	
32 93 83 00-0070 EA Bulb Planting.....	1.16	
For >10 To 25, Deduct	-0.06	
For >25 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.23	
For >100, Deduct	-0.35	
32 93 83 00-0071 EA Flats Of 24 Groundcover And Flower Planting	32.64	
For >10 To 25, Deduct	-1.63	
For >25, Deduct	-4.08	
32 93 83 00-0072 EA Flats Of 36 Groundcover And Flower Planting	46.30	
For >10 To 25, Deduct	-2.32	
For >25, Deduct	-5.79	
32 93 83 00-0073 EA Flats Of 48 Groundcover And Flower Planting	61.63	
For >10 To 25, Deduct	-3.08	
For >25, Deduct	-7.70	

32 93 83 00-0074 Tree Pits (32 93 83)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0000 for appropriate mulch or decorative topping, 32 91 13 16-0001 for appropriate mulch or decorative topping.

32 93 83 00-0075 EA 2' x 1-1/4' Deep Tree Pit	131.88	
32 93 83 00-0076 EA 2' x 2-1/2' Deep Tree Pit	197.78	
32 93 83 00-0077 EA 2-1/2' x 1-1/2' Deep Tree Pit	255.26	
32 93 83 00-0078 EA 2-1/2' x 3' Deep Tree Pit	382.81	
32 93 83 00-0079 EA 3' x 1-3/4' Deep Tree Pit	394.39	
32 93 83 00-0080 EA 3' x 3-1/2' Deep Tree Pit	588.57	
32 93 83 00-0081 EA 3-1/2' x 1-3/4' Deep Tree Pit	483.52	
32 93 83 00-0082 EA 3-1/2' x 3-1/2' Deep Tree Pit	724.26	
32 93 83 00-0083 EA 4' x 2' Deep Tree Pit	578.03	
32 93 83 00-0084 EA 4' x 4' Deep Tree Pit	866.58	
32 93 83 00-0085 EA 4-1/2' x 2' Deep Tree Pit	832.51	
32 93 83 00-0086 EA 4-1/2' x 4' Deep Tree Pit	1,251.18	
32 93 83 00-0087 EA 5' x 2-1/4' Deep Tree Pit	1,107.34	
32 93 83 00-0088 EA 5' x 4-1/2' Deep Tree Pit	1,649.57	
32 93 83 00-0089 EA 6' x 2-1/2' Deep Tree Pit	1,570.39	
32 93 83 00-0090 EA 6' x 5' Deep Tree Pit	2,352.15	
32 93 83 00-0091 EA 7' x 3' Deep Tree Pit	2,645.76	
32 93 83 00-0092 EA 7' x 6' Deep Tree Pit	3,989.47	
32 93 83 00-0093 EA 8' x 3-1/4' Deep Tree Pit	3,638.72	
32 93 83 00-0094 EA 8' x 6-1/2' Deep Tree Pit	5,455.81	

32 94 Planting Accessories (32 90)

32 94 13 Landscape Edging (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002 LF 6" Poly/Vinyl Landscape Edging With Non-Round Top.....	6.10	1.19
For >2,000 To 5,000 LF, Deduct	-0.37	
For >5,000 LF, Deduct	-0.74	
32 94 13 00-0003 LF 5" Polyethylene Landscape Edging With Round Top	3.55	1.19
For >2,000 To 5,000 LF, Deduct	-0.12	
For >5,000 LF, Deduct	-0.23	
32 94 13 00-0004 LF 5-1/2" Polyethylene Landscape Edging With Round Top	3.61	1.19
For >2,000 To 5,000 LF, Deduct	-0.12	
For >5,000 LF, Deduct	-0.25	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top	3.65	1.19
		For >2,000 To 5,000 LF, Deduct	-0.13	
		For >5,000 LF, Deduct	-0.25	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.39	2.83
		For >1,000 LF, Deduct	-1.19	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.37	2.83
		For >1,000 LF, Deduct	-1.43	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.44	2.83
		For >1,000 LF, Deduct	-1.45	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	13.15	2.92
		For >1,000 LF, Deduct	-1.84	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	14.36	2.92
		For >1,000 LF, Deduct	-2.14	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	14.34	2.92
		For >1,000 LF, Deduct	-2.14	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	11.68	3.01
		For >1,000 LF, Deduct	-1.43	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	13.03	3.01
		For >1,000 LF, Deduct	-1.77	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	13.16	3.01
		For >1,000 LF, Deduct	-1.80	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	14.84	3.10
		For >1,000 LF, Deduct	-2.18	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	16.19	3.10
		For >1,000 LF, Deduct	-2.52	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	16.30	3.10
		For >1,000 LF, Deduct	-2.55	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	11.07	2.92
		For >1,000 LF, Deduct	-1.31	
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	13.05	2.92
		For >1,000 LF, Deduct	-1.80	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	18.37	2.92
		For >1,000 LF, Deduct	-3.13	
32 94 13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	8.25	2.83
		For >1,000 LF, Deduct	-0.65	
32 94 13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	9.43	2.83
		For >1,000 LF, Deduct	-0.95	
32 94 13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)	10.46	2.83
		For >1,000 LF, Deduct	-1.21	
32 94 13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	10.68	2.83
		For >1,000 LF, Deduct	-1.26	
32 94 13 00-0025		Concrete Band, Cast In Place (32 94 13)		
		Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 94 13 00-0026	LF	6" x 4" Concrete Band	20.41	10.47
		Note: Excludes base course.		
		For Up To 20, Add	12.29	
		For >20 To 50, Add	6.97	
		For >50 To 100, Add	2.66	
		For >500 To 1,000, Deduct	-2.66	
		For >1,000, Deduct	-4.50	
32 94 13 00-0027	LF	6" x 6" Concrete Band	24.25	12.31
		Note: Excludes base course.		
		For Up To 20, Add	14.70	
		For >20 To 50, Add	8.34	
		For >50 To 100, Add	3.18	
		For >500 To 1,000, Deduct	-3.18	
		For >1,000, Deduct	-5.38	
32 94 13 00-0028	LF	8" x 6" Concrete Band	27.89	141.61
		Note: Excludes base course.		
		For Up To 20, Add	16.97	
		For >20 To 50, Add	9.62	
		For >50 To 100, Add	3.67	
		For >500 To 1,000, Deduct	-3.67	
		For >1,000, Deduct	-6.21	
32 94 13 00-0029	LF	10" x 6" Concrete Band	30.90	153.92
		Note: Excludes base course.		
		For Up To 20, Add	18.80	
		For >20 To 50, Add	10.66	
		For >50 To 100, Add	4.07	
		For >500 To 1,000, Deduct	-4.07	
		For >1,000, Deduct	-6.88	
32 94 13 00-0030	LF	12" x 6" Concrete Band	32.08	16.01
		Note: Excludes base course.		
		For Up To 20, Add	19.34	
		For >20 To 50, Add	10.96	
		For >50 To 100, Add	4.19	
		For >500 To 1,000, Deduct	-4.19	
		For >1,000, Deduct	-7.09	

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF	1" x 4" Redwood Edging	5.87	1.97
32 94 16 00-0002	LF	2" x 4" Redwood Edging	8.06	2.96



Exterior Improvements		32
Planting		32 90
Planting Accessories		32 94

32

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood	11.59		3.95
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood	15.13		4.94
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood	17.63		5.81
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine.....	4.58		1.97
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine.....	6.94		2.96
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine.....	11.02		3.83
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine.....	15.01		4.94
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine.....	18.36		5.81
32 94 16 00-0011	LF	6" x 8" Railroad Ties	16.89		5.59
32 94 16 00-0012	LF	7" x 9" Railroad Ties	20.36		7.02

32 94 23 Plant Protection (32 94)

32 94 23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge	2.66

32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames (32 94 43)****32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94 43 00-0003	EA	32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame.....	1,104.98	74.04
		For >3 To 9, Deduct	-71.77	
		For >9, Deduct	-148.32	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame.....	1,278.95	74.04
		For >3 To 9, Deduct	-84.81	
		For >9, Deduct	-175.28	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame.....	1,545.78	98.73
		For >3 To 9, Deduct	-101.12	
		For >9, Deduct	-208.99	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame.....	1,924.44	98.73
		For >3 To 9, Deduct	-129.52	
		For >9, Deduct	-267.68	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame.....	2,467.59	123.41
		For >3 To 9, Deduct	-166.56	
		For >9, Deduct	-344.22	
32 94 43 00-0008	EA	60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,588.59	148.09
		For >3 To 9, Deduct	-171.93	
		For >9, Deduct	-355.33	
32 94 43 00-0009	EA	60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame.....	2,852.11	148.09
		For >3 To 9, Deduct	-191.70	
		For >9, Deduct	-396.17	
32 94 43 00-0010	EA	72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,796.79	209.80
		For >3 To 9, Deduct	-253.29	
		For >9, Deduct	-523.47	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame.....	3,950.30	209.80
		For >3 To 9, Deduct	-264.80	
		For >9, Deduct	-547.26	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame.....	4,078.23	209.80
		For >3 To 9, Deduct	-274.40	
		For >9, Deduct	-567.09	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame.....	4,180.57	209.80
		For >3 To 9, Deduct	-282.08	
		For >9, Deduct	-582.96	
32 94 43 00-0014	EA	72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame.....	4,257.32	209.80
		For >3 To 9, Deduct	-287.83	
		For >9, Deduct	-594.65	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame.....	4,669.09	246.81
		For >3 To 9, Deduct	-313.16	
		For >9, Deduct	-647.20	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0017	EA	30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	1,017.98	74.04
		For >3 To 9, Deduct	-65.24	
		For >9, Deduct	-134.83	
32 94 43 00-0018	EA	36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,235.45	74.04
		For >3 To 9, Deduct	-81.55	
		For >9, Deduct	-168.54	
32 94 43 00-0019	EA	48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame.....	1,833.08	123.41
		For >3 To 9, Deduct	-118.97	
		For >9, Deduct	-245.87	
32 94 43 00-0020	EA	48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,165.69	123.41
		For >3 To 9, Deduct	-143.92	
		For >9, Deduct	-297.43	
32 94 43 00-0021	EA	48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,472.71	123.41
		For >3 To 9, Deduct	-166.94	
		For >9, Deduct	-345.01	
32 94 43 00-0022	EA	48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,754.14	123.41
		For >3 To 9, Deduct	-188.05	
		For >9, Deduct	-388.64	
32 94 43 00-0023	EA	48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	3,009.99	123.41
		For >3 To 9, Deduct	-207.24	
		For >9, Deduct	-428.29	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0024	EA	48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,240.25	123.41
		For>3 To 9, Deduct	-224.51	
		For>9, Deduct	-463.98	
32 94 43 00-0025	EA	60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	3,108.72	172.77
		For>3 To 9, Deduct	-207.24	
		For>9, Deduct	-428.29	
32 94 43 00-0026	EA	60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,338.98	172.77
		For>3 To 9, Deduct	-224.51	
		For>9, Deduct	-463.98	
32 94 43 00-0027	EA	60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,543.66	172.77
		For>3 To 9, Deduct	-239.86	
		For>9, Deduct	-495.71	
32 94 43 00-0028	EA	60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,722.76	172.77
		For>3 To 9, Deduct	-253.29	
		For>9, Deduct	-523.47	
32 94 43 00-0029	EA	60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,876.27	172.77
		For>3 To 9, Deduct	-264.80	
		For>9, Deduct	-547.26	
32 94 43 00-0030	EA	60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	4,004.20	172.77
		For>3 To 9, Deduct	-274.40	
		For>9, Deduct	-567.09	
32 94 43 00-0031	EA	72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,796.79	209.80
		For>3 To 9, Deduct	-253.29	
		For>9, Deduct	-523.47	
32 94 43 00-0032	EA	72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,950.30	209.80
		For>3 To 9, Deduct	-264.80	
		For>9, Deduct	-547.26	
32 94 43 00-0033	EA	72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,078.23	209.80
		For>3 To 9, Deduct	-274.40	
		For>9, Deduct	-567.09	
32 94 43 00-0034	EA	72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,180.57	209.80
		For>3 To 9, Deduct	-282.08	
		For>9, Deduct	-582.96	
32 94 43 00-0035	EA	72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,257.32	209.80
		For>3 To 9, Deduct	-287.83	
		For>9, Deduct	-594.85	
32 94 43 00-0036	EA	72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,308.49	209.80
		For>3 To 9, Deduct	-291.67	
		For>9, Deduct	-602.78	
32 94 43 00-0037	EA	72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,334.07	209.80
		For>3 To 9, Deduct	-293.59	
		For>9, Deduct	-606.75	
32 94 43 00-0038	EA	72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,359.66	209.80
		For>3 To 9, Deduct	-295.51	
		For>9, Deduct	-610.71	
32 94 43 00-0039		Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040	EA	36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,924.44	98.73
		For>3 To 9, Deduct	-129.52	
		For>9, Deduct	-267.68	
32 94 43 00-0041	EA	36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,962.81	98.73
		For>3 To 9, Deduct	-132.40	
		For>9, Deduct	-273.63	
32 94 43 00-0042	EA	36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,398.51	123.41
		For>3 To 9, Deduct	-161.38	
		For>9, Deduct	-333.51	
32 94 43 00-0043	EA	48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame	2,825.78	123.41
		For>3 To 9, Deduct	-193.42	
		For>9, Deduct	-399.74	
32 94 43 00-0044	EA	48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	3,009.99	123.41
		For>3 To 9, Deduct	-207.24	
		For>9, Deduct	-428.29	
32 94 43 00-0045	EA	60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	4,027.05	209.80
		For>3 To 9, Deduct	-270.56	
		For>9, Deduct	-559.16	
32 94 49		Plant and Tree Accessories (32 94)		
32 94 49 00-0001		Tree Guying (32 94 49)		
32 94 49 00-0002		Tree Guying, Stakes (32 94 49 00-0001)		
		Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	25.54	
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	45.45	
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	78.14	
32 94 49 00-0006		Tree Guying, Anchors (32 94 49 00-0001)		
		Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	107.40	
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	144.88	
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	185.52	
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	239.73	



Exterior Improvements		32
Planting		32 90
Planting Accessories		32 94

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 49 00-0011			Tree Wrap (32 94 49)		
32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.10	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	11.85	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	23.56	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	36.67	
32 94 49 00-0016			Tree Guards (32 94 49)		
32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard	11.80	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard	10.82	
32 94 49 00-0019			Stake Out Tree And Shrub Locations (32 94 49)		
			Note: When no design available.		
32 94 49 00-0020	EA		Stake Out Trees Or Shrubs	7.41	
32 94 49 00-0021			Root Barriers (32 94 49)		
32 94 49 00-0022	EA		12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	12.98	
32 94 49 00-0023	EA		18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	18.52	
32 94 49 00-0024	EA		24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	21.90	
32 94 49 00-0025	EA		36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	41.30	
32 94 49 00-0026	EA		48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	57.16	
32 96			Transplanting (32 90)		
			See CSI section 32 94 49 00-0001 for guying.		
32 96 33			Shrub Transplanting (32 96)		
			Note: Includes digging up, moving on site, digging new hole and replanting.		
32 96 33 00-0001			Moving Shrubs On Site, Relocate (32 96 33)		
			Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002	EA		Up To 18" Root Ball, Move Shrubs On Site	79.64	
			For >25 To 50, Deduct	-7.96	
			For >50, Deduct	-11.95	
32 96 33 00-0003	EA		>18" To 24" Root Ball, Move Shrubs On Site	107.74	
			For >25 To 50, Deduct	-10.77	
			For >50, Deduct	-16.16	
32 96 33 00-0004	EA		>24" To 30" Root Ball, Move Shrubs On Site	182.69	
			For >25 To 50, Deduct	-18.27	
			For >50, Deduct	-27.40	
32 96 33 00-0005	EA		>30" To 36" Root Ball, Move Shrubs On Site	281.07	
			For >25 To 50, Deduct	-28.11	
			For >50, Deduct	-42.16	
32 96 43			Tree Transplanting (32 96)		
			Note: Includes digging up, moving on site, digging new hole and replanting.		
32 96 43 00-0001			Moving Trees On Site, Relocate (32 96 43)		
			Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0917 for crane lifting equipment, 32 94 49 00-0001 for guying.		
32 96 43 00-0002	EA		Up To 24" Root Ball, Move Trees On Site	308.65	
			For >5 To 10, Deduct	-15.43	
			For >10 To 20, Deduct	-30.87	
			For >20, Deduct	-46.30	
32 96 43 00-0003	EA		>24" To 30" Root Ball, Move Trees On Site.....	423.29	
			For >5 To 10, Deduct	-21.16	
			For >10 To 20, Deduct	-42.33	
			For >20, Deduct	-63.49	
32 96 43 00-0004	EA		>30" To 36" Root Ball, Move Trees On Site.....	685.88	
			For >5 To 10, Deduct	-34.29	
			For >10 To 20, Deduct	-68.59	
			For >20, Deduct	-102.88	
32 96 43 00-0005	EA		>36" To 48" Root Ball, Move Trees On Site.....	1,139.61	
			For >5 To 10, Deduct	-56.98	
			For >10 To 20, Deduct	-113.96	
			For >20, Deduct	-170.94	
32 96 43 00-0006	EA		>48" To 60" Root Ball, Move Trees On Site.....	1,851.86	
			For >5 To 10, Deduct	-92.59	
			For >10 To 20, Deduct	-185.19	
			For >20, Deduct	-277.78	
32 96 43 00-0007	EA		>60" To 72" Root Ball, Move Trees On Site.....	2,389.49	
			For >5 To 10, Deduct	-119.47	
			For >10 To 20, Deduct	-238.95	
			For >20, Deduct	-358.42	
32 96 43 00-0008	EA		>72" To 84" Root Ball, Move Trees On Site.....	3,086.44	
			For >5 To 10, Deduct	-154.32	
			For >10 To 20, Deduct	-308.64	
			For >20, Deduct	-462.97	

32	32	Exterior Improvements
	32 90	Planting
	32 96	Transplanting



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site.....	3,703.72	
		For >5 To 10, Deduct	-185.19	
		For >10 To 20, Deduct	-370.37	
		For >20, Deduct	-555.56	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site.....	4,208.77	
		For >5 To 10, Deduct	-210.44	
		For >10 To 20, Deduct	-420.88	
		For >20, Deduct	-631.32	

END OF SECTION 32



Utilities		33	CS
Operation and Maintenance of Utilities		33 01	
Operation and Maintenance of Water Utilities		33 01 10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities ⁽³³⁾

33 01 10 Operation and Maintenance of Water Utilities ^(33 01)

33 01 10 58 Disinfection of Water Utility Piping Systems ^(33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Set-up And Removal Of Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,077.96	
33 01 10 58-0003	EA	Move And Set-up At Different Access/Location For Water Main Disinfection/Sterilization, Gas Chlorination Method	538.98	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.41	
		For >250 To 500, Deduct	-0.02	
		For >500 To 1,000, Deduct	-0.04	
		For >1,000 To 2,000, Deduct	-0.06	
		For >2,000 To 5,000, Deduct	-0.08	
		For >5,000, Deduct	-0.10	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.62	
		For >250 To 500, Deduct	-0.03	
		For >500 To 1,000, Deduct	-0.06	
		For >1,000 To 2,000, Deduct	-0.09	
		For >2,000 To 5,000, Deduct	-0.12	
		For >5,000, Deduct	-0.16	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.81	
		For >250 To 500, Deduct	-0.04	
		For >500 To 1,000, Deduct	-0.08	
		For >1,000 To 2,000, Deduct	-0.12	
		For >2,000 To 5,000, Deduct	-0.16	
		For >5,000, Deduct	-0.20	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.95	
		For >250 To 500, Deduct	-0.05	
		For >500 To 1,000, Deduct	-0.10	
		For >1,000 To 2,000, Deduct	-0.14	
		For >2,000 To 5,000, Deduct	-0.19	
		For >5,000, Deduct	-0.24	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.25	
		For >250 To 500, Deduct	-0.06	
		For >500 To 1,000, Deduct	-0.13	
		For >1,000 To 2,000, Deduct	-0.19	
		For >2,000 To 5,000, Deduct	-0.25	
		For >5,000, Deduct	-0.31	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.40	
		For >250 To 500, Deduct	-0.07	
		For >500 To 1,000, Deduct	-0.14	
		For >1,000 To 2,000, Deduct	-0.21	
		For >2,000 To 5,000, Deduct	-0.28	
		For >5,000, Deduct	-0.35	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.62	
		For >250 To 500, Deduct	-0.08	
		For >500 To 1,000, Deduct	-0.16	
		For >1,000 To 2,000, Deduct	-0.24	
		For >2,000 To 5,000, Deduct	-0.32	
		For >5,000, Deduct	-0.41	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.90	
		For >250 To 500, Deduct	-0.10	
		For >500 To 1,000, Deduct	-0.19	
		For >1,000 To 2,000, Deduct	-0.29	
		For >2,000 To 5,000, Deduct	-0.38	
		For >5,000, Deduct	-0.48	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.45	
		For >250 To 500, Deduct	-0.12	
		For >500 To 1,000, Deduct	-0.25	
		For >1,000 To 2,000, Deduct	-0.37	
		For >2,000 To 5,000, Deduct	-0.49	
		For >5,000, Deduct	-0.61	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.59	
		For >250 To 500, Deduct	-0.18	
		For >500 To 1,000, Deduct	-0.36	
		For >1,000 To 2,000, Deduct	-0.54	
		For >2,000 To 5,000, Deduct	-0.72	
		For >5,000, Deduct	-0.90	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	4.97	
		For >250 To 500, Deduct	-0.25	
		For >500 To 1,000, Deduct	-0.50	
		For >1,000 To 2,000, Deduct	-0.75	
		For >2,000 To 5,000, Deduct	-0.99	
		For >5,000, Deduct	-1.24	

33 01 10 71 Relining Water Utilities Pipelines ^(33 01 10)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0001		Relining Underground Water Pipelines (33 01 10 71)		
		Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.		
33 01 10 71-0002		Set-Up And Reinsertion For Relining Underground Water Pipelines (33 01 10 71-0001)		
33 01 10 71-0003	EA	Initial Set-up And Final Equipment Removal For Relining Underground Water Pipelines.....	5,620.77	
33 01 10 71-0004	EA	Move And Set-up At Different Access/Location	2,248.31	
33 01 10 71-0005		Lining Pipe With Cement (33 01 10 71-0001)		
33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	69.78	
		For 3/16" Thickness, Add	1.33	
		For 1/4" Thickness, Add	2.65	
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	62.20	
		For 3/16" Thickness, Add	1.33	
		For 1/4" Thickness, Add	2.65	
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	52.04	
		For 3/16" Thickness, Add	1.33	
		For 1/4" Thickness, Add	2.65	
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	39.29	
		For 3/16" Thickness, Add	1.33	
		For 1/4" Thickness, Add	2.65	
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	72.82	
		For 3/16" Thickness, Add	1.98	
		For 1/4" Thickness, Add	3.96	
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	64.95	
		For 3/16" Thickness, Add	1.98	
		For 1/4" Thickness, Add	3.96	
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	54.45	
		For 3/16" Thickness, Add	1.98	
		For 1/4" Thickness, Add	3.96	
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	41.52	
		For 3/16" Thickness, Add	1.98	
		For 1/4" Thickness, Add	3.96	
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	75.77	
		For 3/16" Thickness, Add	2.64	
		For 1/4" Thickness, Add	5.28	
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	67.72	
		For 3/16" Thickness, Add	2.64	
		For 1/4" Thickness, Add	5.28	
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	56.87	
		For 3/16" Thickness, Add	2.64	
		For 1/4" Thickness, Add	5.28	
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	43.77	
		For 3/16" Thickness, Add	2.64	
		For 1/4" Thickness, Add	5.28	
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	78.08	
		For 3/16" Thickness, Add	3.31	
		For 1/4" Thickness, Add	6.61	
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	69.91	
		For 3/16" Thickness, Add	3.31	
		For 1/4" Thickness, Add	6.61	
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	58.89	
		For 3/16" Thickness, Add	3.31	
		For 1/4" Thickness, Add	6.61	
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	46.03	
		For 3/16" Thickness, Add	3.31	
		For 1/4" Thickness, Add	6.61	
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	84.56	
		For 3/16" Thickness, Add	3.97	
		For 1/4" Thickness, Add	7.93	
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	75.87	
		For 3/16" Thickness, Add	3.97	
		For 1/4" Thickness, Add	7.93	
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	64.16	
		For 3/16" Thickness, Add	3.97	
		For 1/4" Thickness, Add	7.93	
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	50.25	
		For 3/16" Thickness, Add	3.97	
		For 1/4" Thickness, Add	7.93	
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	92.18	
		For 1/4" Thickness, Add	4.41	
		For 5/16" Thickness, Add	8.82	
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	83.18	
		For 1/4" Thickness, Add	4.41	
		For 5/16" Thickness, Add	8.82	
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	70.96	
		For 1/4" Thickness, Add	4.41	
		For 5/16" Thickness, Add	8.82	
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	57.63	
		For 1/4" Thickness, Add	4.41	
		For 5/16" Thickness, Add	8.82	



Utilities		33	CS
Operation and Maintenance of Utilities		33 01	
Operation and Maintenance of Water Utilities		33 01 10	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	97.12	
		For 1/4" Thickness, Add	5.28	
		For 5/16" Thickness, Add	10.57	
33 01 10 71-0031	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	87.84	
		For 1/4" Thickness, Add	5.28	
		For 5/16" Thickness, Add	10.57	
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	75.21	
		For 1/4" Thickness, Add	5.28	
		For 5/16" Thickness, Add	10.57	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	62.57	
		For 1/4" Thickness, Add	5.28	
		For 5/16" Thickness, Add	10.57	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	103.13	
		For 1/4" Thickness, Add	6.17	
		For 5/16" Thickness, Add	12.33	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	93.52	
		For 1/4" Thickness, Add	6.17	
		For 5/16" Thickness, Add	12.33	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	80.29	
		For 1/4" Thickness, Add	6.17	
		For 5/16" Thickness, Add	12.33	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	68.46	
		For 1/4" Thickness, Add	6.17	
		For 5/16" Thickness, Add	12.33	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	109.26	
		For 1/4" Thickness, Add	7.05	
		For 5/16" Thickness, Add	14.10	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	99.25	
		For 1/4" Thickness, Add	7.05	
		For 5/16" Thickness, Add	14.10	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	85.61	
		For 1/4" Thickness, Add	7.05	
		For 5/16" Thickness, Add	14.10	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	74.59	
		For 1/4" Thickness, Add	7.05	
		For 5/16" Thickness, Add	14.10	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	117.90	
		For 1/4" Thickness, Add	8.81	
		For 5/16" Thickness, Add	17.62	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	107.31	
		For 1/4" Thickness, Add	8.81	
		For 5/16" Thickness, Add	17.62	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	92.86	
		For 1/4" Thickness, Add	8.81	
		For 5/16" Thickness, Add	17.62	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	81.73	
		For 1/4" Thickness, Add	8.81	
		For 5/16" Thickness, Add	17.62	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	126.45	
		For 1/4" Thickness, Add	10.58	
		For 5/16" Thickness, Add	21.15	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	115.40	
		For 1/4" Thickness, Add	10.58	
		For 5/16" Thickness, Add	21.15	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	100.13	
		For 1/4" Thickness, Add	10.58	
		For 5/16" Thickness, Add	21.15	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	88.89	
		For 1/4" Thickness, Add	10.58	
		For 5/16" Thickness, Add	21.15	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	159.03	
		For 3/8" Thickness, Add	27.75	
		For 7/16" Thickness, Add	41.63	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	146.98	
		For 3/8" Thickness, Add	27.75	
		For 7/16" Thickness, Add	41.63	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	130.39	
		For 3/8" Thickness, Add	27.75	
		For 7/16" Thickness, Add	41.63	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	118.80	
		For 3/8" Thickness, Add	27.75	
		For 7/16" Thickness, Add	41.63	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	175.66	
		For 3/8" Thickness, Add	31.72	
		For 7/16" Thickness, Add	47.57	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	162.77	
		For 3/8" Thickness, Add	31.72	
		For 7/16" Thickness, Add	47.57	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	144.93	
		For 3/8" Thickness, Add	31.72	
		For 7/16" Thickness, Add	47.57	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	133.11	
		For 3/8" Thickness, Add	31.72	
		For 7/16" Thickness, Add	47.57	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	185.66 35.68 53.51	
33 01 10 71-0059 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	172.50 35.68 53.51	
33 01 10 71-0060 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	154.25 35.68 53.51	
33 01 10 71-0061 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	142.88 35.68 53.51	
33 01 10 71-0062 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	195.69 39.65 59.48	
33 01 10 71-0063 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	182.30 39.65 59.48	
33 01 10 71-0064 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	163.70 39.65 59.48	
33 01 10 71-0065 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	152.68 39.65 59.48	
33 01 10 71-0066 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	206.06 43.62 65.42	
33 01 10 71-0067 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	192.38 43.62 65.42	
33 01 10 71-0068 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	173.49 43.62 65.42	
33 01 10 71-0069 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	163.29 43.62 65.42	
33 01 10 71-0070 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	216.88 47.58 71.36	
33 01 10 71-0071 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	202.97 47.58 71.36	
33 01 10 71-0072 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	183.61 47.58 71.36	
33 01 10 71-0073 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement For 3/8" Thickness, Add For 7/16" Thickness, Add	173.99 47.58 71.36	

33 01 20 Operation and Maintenance of Wells (33 01)**33 01 20 00-0001 Pull Submersible Well Pumps For Repair** (33 01 20)

Note: Includes cleaning.

33 01 20 00-0002 EA Up To 100' Depth, Pull Submersible Well Pumps For Repair	92.28
Note: Includes reinstallation after repair.	
33 01 20 00-0003 EA >100 To 200' Depth, Pull Submersible Well Pumps For Repair	123.03
Note: Includes reinstallation after repair.	
33 01 20 00-0004 EA >200 To 300' Depth, Pull Submersible Well Pumps For Repair	159.95
Note: Includes reinstallation after repair.	
33 01 20 00-0005 EA >300 To 400' Depth, Pull Submersible Well Pumps For Repair	209.16
Note: Includes reinstallation after repair.	
33 01 20 00-0006 EA >400 To 500' Depth, Pull Submersible Well Pumps For Repair	258.38
Note: Includes reinstallation after repair.	
33 01 20 00-0007 EA >500 To 600' Depth, Pull Submersible Well Pumps For Repair	295.29
Note: Includes reinstallation after repair.	

33 01 40 Operation and Maintenance of Stormwater Utilities (33 01)**33 01 40 00-0001 Solid Wall High-Density Polyethylene (HDPE) Culvert Slip-Lining System** (33 01)

Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 40 00-0046 for flowable fill grout.

33 01 40 00-0002 LF 6.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	37.71
For Profile Wall (Corrugated), Deduct	-6.43
33 01 40 00-0003 LF 8.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	57.30
For Profile Wall (Corrugated), Deduct	-10.06
33 01 40 00-0004 LF 10.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	52.77
For Profile Wall (Corrugated), Deduct	-8.93
33 01 40 00-0005 LF 12.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	70.20
For Profile Wall (Corrugated), Deduct	-12.06
33 01 40 00-0006 LF 14" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	79.75
For Profile Wall (Corrugated), Deduct	-13.51



Utilities		33	CS
Operation and Maintenance of Utilities		33 01	
Operation and Maintenance of Stormwater Utilities		33 01 40	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 40 00-0007	LF	16" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	97.16	
		<i>For Profile Wall (Corrugated), Deduct</i>	-16.83	
33 01 40 00-0008	LF	18" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	122.17	
		<i>For Profile Wall (Corrugated), Deduct</i>	-21.18	
33 01 40 00-0009	LF	20" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	150.72	
		<i>For Profile Wall (Corrugated), Deduct</i>	-26.42	
33 01 40 00-0010	LF	22" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	174.16	
		<i>For Profile Wall (Corrugated), Deduct</i>	-30.65	
33 01 40 00-0011	LF	24" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	199.72	
		<i>For Profile Wall (Corrugated), Deduct</i>	-35.29	
33 01 40 00-0012	LF	26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	228.51	
		<i>For Profile Wall (Corrugated), Deduct</i>	-40.59	
33 01 40 00-0013	LF	28" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	258.34	
		<i>For Profile Wall (Corrugated), Deduct</i>	-46.09	
33 01 40 00-0014	LF	30" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	300.47	
		<i>For Profile Wall (Corrugated), Deduct</i>	-54.05	
33 01 40 00-0015	LF	32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	344.71	
		<i>For Profile Wall (Corrugated), Deduct</i>	-62.43	
33 01 40 00-0016	LF	34" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	381.66	
		<i>For Profile Wall (Corrugated), Deduct</i>	-69.36	
33 01 40 00-0017	LF	36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	418.61	
		<i>For Profile Wall (Corrugated), Deduct</i>	-76.28	
33 01 40 00-0018	LF	39.37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	480.27	
		<i>For Profile Wall (Corrugated), Deduct</i>	-88.15	
33 01 40 00-0019	LF	42" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	541.94	
		<i>For Profile Wall (Corrugated), Deduct</i>	-100.02	
33 01 40 00-0020	LF	48" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	702.90	
		<i>For Profile Wall (Corrugated), Deduct</i>	-131.75	
33 01 40 00-0021	LF	54" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	861.79	
		<i>For Profile Wall (Corrugated), Deduct</i>	-163.06	
33 01 40 00-0022	LF	57" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	956.39	
		<i>For Profile Wall (Corrugated), Deduct</i>	-181.51	
33 01 40 00-0023	LF	60" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,050.09	
		<i>For Profile Wall (Corrugated), Deduct</i>	-199.79	
33 01 40 00-0024	LF	63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,145.61	
		<i>For Profile Wall (Corrugated), Deduct</i>	-218.43	
33 01 40 00-0025	LF	66" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,288.02	
		<i>For Profile Wall (Corrugated), Deduct</i>	-246.21	
33 01 40 00-0026	LF	72" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,366.99	
		<i>For Profile Wall (Corrugated), Deduct</i>	-261.08	
33 01 40 00-0027	LF	78" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,452.35	
		<i>For Profile Wall (Corrugated), Deduct</i>	-276.99	
33 01 40 00-0028	LF	84" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,577.03	
		<i>For Profile Wall (Corrugated), Deduct</i>	-300.99	
33 01 40 00-0029	LF	90" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,612.46	
		<i>For Profile Wall (Corrugated), Deduct</i>	-307.15	
33 01 40 00-0030	LF	96" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,631.66	
		<i>For Profile Wall (Corrugated), Deduct</i>	-309.83	
33 01 40 00-0031	LF	16.5 x 23" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	201.50	
		<i>For Profile Wall (Corrugated), Deduct</i>	-35.60	
33 01 40 00-0032	LF	17" x 26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	224.95	
		<i>For Profile Wall (Corrugated), Deduct</i>	-39.42	
33 01 40 00-0033	LF	18" x 29" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	248.37	
33 01 40 00-0034	LF	19" x 32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	287.24	
		<i>For Profile Wall (Corrugated), Deduct</i>	-50.65	
33 01 40 00-0035	LF	21" x 33.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	315.22	
		<i>For Profile Wall (Corrugated), Deduct</i>	-55.62	
33 01 40 00-0036	LF	22.5 x 36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	354.32	
		<i>For Profile Wall (Corrugated), Deduct</i>	-62.82	
33 01 40 00-0037	LF	26" x 37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	395.61	
		<i>For Profile Wall (Corrugated), Deduct</i>	-70.47	
33 01 40 00-0038	LF	30" x 41" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	475.31	
		<i>For Profile Wall (Corrugated), Deduct</i>	-85.17	
33 01 40 00-0039	LF	31" x 46" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	535.40	
33 01 40 00-0040	LF	34" x 48.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	594.43	
		<i>For Profile Wall (Corrugated), Deduct</i>	-107.76	
33 01 40 00-0041	LF	39" x 55.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	741.06	
		<i>For Profile Wall (Corrugated), Deduct</i>	-136.46	
33 01 40 00-0042	LF	43" x 63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	894.17	
		<i>For Profile Wall (Corrugated), Deduct</i>	-166.47	
33 01 40 00-0043	LF	48" x 75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	1,152.99	
		<i>For Profile Wall (Corrugated), Deduct</i>	-218.23	
33 01 40 00-0044	LF	52" x 72.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	1,162.26	
		<i>For Profile Wall (Corrugated), Deduct</i>	-218.23	
33 01 40 00-0045	LF	58" x 67.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	1,162.26	
		<i>For Profile Wall (Corrugated), Deduct</i>	-218.23	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 40 Operation and Maintenance of Stormwater Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 40 00-0046	Pumped Grouting For Slip-Lining Systems ^(33 01 40)	
	Note: Includes all materials, embedded piping, forms, labor and pumping equipment necessary to place and install grout.	
33 01 40 00-0047	CY Flowable Fill Grout, For Pipe Relines.....	640.77

33 01 70 Operation and Maintenance of Electrical Utilities ^(33 01)**33 01 70 51 Electrical Utility Visual Inspection ^(33 01 70)**

33 01 70 51-0001	Video Camera Inspection Of Gas Piping and Electrical Duct ^(33 01 70 51)	
33 01 70 51-0002	Set-up For Video Camera ^(33 01 70 51-0001)	
33 01 70 51-0003	EA Up To 12" Diameter, Initial Set-up For Video Inspection, Gas Pipe Or Electrical Duct	287.32
33 01 70 51-0004	EA Initial Set-up And Final Equipment Removal For >12" To 48" Diameter, Video Inspection, Gas Pipe.....	323.24
33 01 70 51-0005	EA Move And Set-up For Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	71.83
33 01 70 51-0006	EA Move And Set-up For >12" To 48" Diameter, Video Inspection, Gas Pipe	107.75

33 01 70 51-0007	Video Camera Inspection Of Gas Pipe Or Electrical Duct ^(33 01 70 51-0001)	
33 01 70 51-0008	LF Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.10
	For >1,000 To 5,000, Deduct	-0.06
	For >5,000, Deduct	-0.11
33 01 70 51-0009	LF >12" To 48" Diameter, Video Inspection, Gas Pipe	1.70
	For >1,000 To 5,000, Deduct	-0.09
	For >5,000, Deduct	-0.17

33 01 70 72 Cured-in-Place Conduit Lining ^(33 01 70)

33 01 70 72-0001	Lining Conduit With Cured In-Place (CIP) Liner ^(33 01 70 72)	
	Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.	
33 01 70 72-0002	2mm Thick Cured In-Place Conduit Lining ^(33 01 70 72-0001)	
33 01 70 72-0003	LF 1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	8.26
	For Up To >10, Add	15.38
	For >10 To 25, Add	12.19
	For >25 To 50, Add	7.50
	For >50 To 100, Add	3.75
	For >500 To 1,000, Deduct	-0.53
	For >1,000 To 2,000, Deduct	-0.84
	For >2,000 To 5,000, Deduct	-1.58
	For >5,000, Deduct	-2.55
33 01 70 72-0004	LF 2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	10.13
	For Up To >10, Add	17.69
	For >10 To 25, Add	13.90
	For >25 To 50, Add	8.59
	For >50 To 100, Add	4.30
	For >500 To 1,000, Deduct	-0.63
	For >1,000 To 2,000, Deduct	-1.01
	For >2,000 To 5,000, Deduct	-1.87
	For >5,000, Deduct	-3.04
33 01 70 72-0005	LF 2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	12.73
	For Up To >10, Add	22.19
	For >10 To 25, Add	17.43
	For >25 To 50, Add	10.78
	For >50 To 100, Add	5.39
	For >500 To 1,000, Deduct	-0.79
	For >1,000 To 2,000, Deduct	-1.27
	For >2,000 To 5,000, Deduct	-2.35
	For >5,000, Deduct	-3.81
33 01 70 72-0006	LF 3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.04
	For Up To >10, Add	25.80
	For >10 To 25, Add	20.21
	For >25 To 50, Add	12.51
	For >50 To 100, Add	6.26
	For >500 To 1,000, Deduct	-0.93
	For >1,000 To 2,000, Deduct	-1.49
	For >2,000 To 5,000, Deduct	-2.76
	For >5,000, Deduct	-4.47
33 01 70 72-0007	LF 3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	16.91
	For Up To >10, Add	28.11
	For >10 To 25, Add	21.91
	For >25 To 50, Add	13.60
	For >50 To 100, Add	6.80
	For >500 To 1,000, Deduct	-1.04
	For >1,000 To 2,000, Deduct	-1.66
	For >2,000 To 5,000, Deduct	-3.05
	For >5,000, Deduct	-4.95



Utilities		33	CS
Operation and Maintenance of Utilities		33 01	
Operation and Maintenance of Electrical Utilities		33 01 70	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0008 LF 4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	19.08	
For Up To >10, Add	31.32	
For >10 To 25, Add	24.37	
For >25 To 50, Add	15.14	
For >50 To 100, Add	7.57	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-1.87	
For >2,000 To 5,000, Deduct	-3.42	
For >5,000, Deduct	-5.56	
33 01 70 72-0009 LF 5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	22.57	
For Up To >10, Add	35.16	
For >10 To 25, Add	27.13	
For >25 To 50, Add	16.93	
For >50 To 100, Add	8.46	
For >500 To 1,000, Deduct	-1.37	
For >1,000 To 2,000, Deduct	-2.17	
For >2,000 To 5,000, Deduct	-3.95	
For >5,000, Deduct	-6.42	
33 01 70 72-0010 LF 6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	26.06	
For Up To >10, Add	39.03	
For >10 To 25, Add	29.92	
For >25 To 50, Add	18.73	
For >50 To 100, Add	9.37	
For >500 To 1,000, Deduct	-1.56	
For >1,000 To 2,000, Deduct	-2.47	
For >2,000 To 5,000, Deduct	-4.48	
For >5,000, Deduct	-7.29	
33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining (33 01 70 72-0001)		
33 01 70 72-0012 LF 1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	10.26	
For Up To >10, Add	17.08	
For >10 To 25, Add	13.32	
For >25 To 50, Add	8.27	
For >50 To 100, Add	4.13	
For >500 To 1,000, Deduct	-0.63	
For >1,000 To 2,000, Deduct	-1.01	
For >2,000 To 5,000, Deduct	-1.85	
For >5,000, Deduct	-3.01	
33 01 70 72-0013 LF 2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	13.37	
For Up To >10, Add	21.44	
For >10 To 25, Add	16.62	
For >25 To 50, Add	10.34	
For >50 To 100, Add	5.17	
For >500 To 1,000, Deduct	-0.82	
For >1,000 To 2,000, Deduct	-1.30	
For >2,000 To 5,000, Deduct	-2.37	
For >5,000, Deduct	-3.85	
33 01 70 72-0014 LF 2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	16.48	
For Up To >10, Add	25.82	
For >10 To 25, Add	19.94	
For >25 To 50, Add	12.44	
For >50 To 100, Add	6.22	
For >500 To 1,000, Deduct	-1.00	
For >1,000 To 2,000, Deduct	-1.59	
For >2,000 To 5,000, Deduct	-2.89	
For >5,000, Deduct	-4.70	
33 01 70 72-0015 LF 3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	19.29	
For Up To >10, Add	29.30	
For >10 To 25, Add	22.51	
For >25 To 50, Add	14.08	
For >50 To 100, Add	7.04	
For >500 To 1,000, Deduct	-1.16	
For >1,000 To 2,000, Deduct	-1.84	
For >2,000 To 5,000, Deduct	-3.34	
For >5,000, Deduct	-5.43	
33 01 70 72-0016 LF 3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	21.99	
For Up To >10, Add	32.42	
For >10 To 25, Add	24.78	
For >25 To 50, Add	15.54	
For >50 To 100, Add	7.77	
For >500 To 1,000, Deduct	-1.31	
For >1,000 To 2,000, Deduct	-2.08	
For >2,000 To 5,000, Deduct	-3.75	
For >5,000, Deduct	-6.11	
33 01 70 72-0017 LF 4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	24.81	
For Up To >10, Add	35.93	
For >10 To 25, Add	27.38	
For >25 To 50, Add	17.20	
For >50 To 100, Add	8.60	
For >500 To 1,000, Deduct	-1.48	
For >1,000 To 2,000, Deduct	-2.33	
For >2,000 To 5,000, Deduct	-4.20	
For >5,000, Deduct	-6.84	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 70 Operation and Maintenance of Electrical Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0018 LF 5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	30.33	
For Up To >10, Add	42.57	
For >10 To 25, Add	32.24	
For >25 To 50, Add	20.31	
For >50 To 100, Add	10.16	
For >500 To 1,000, Deduct	-1.79	
For >1,000 To 2,000, Deduct	-2.82	
For >2,000 To 5,000, Deduct	-5.06	
For >5,000, Deduct	-8.26	
33 01 70 72-0019 LF 6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	35.42	
For Up To >10, Add	47.91	
For >10 To 25, Add	36.04	
For >25 To 50, Add	22.79	
For >50 To 100, Add	11.39	
For >500 To 1,000, Deduct	-2.07	
For >1,000 To 2,000, Deduct	-3.26	
For >2,000 To 5,000, Deduct	-5.82	
For >5,000, Deduct	-9.50	

33 05 Common Work Results for Utilities ⁽³³⁾**33 05 05 Buried Piping Installation** ^(33 05)**33 05 05 43 Mandrel Testing** ^(33 05 05)**33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe** ^(33 05 05 43)

33 05 05 43-0002 EA Initial Set-up And Final Equipment Removal For Deflection Testing (Mandrel)	733.49	
33 05 05 43-0003 EA Move And Set-up At Different Access/Location For Deflection Testing (Mandrel)	366.74	
33 05 05 43-0004 LF Up To 4" Diameter Pipe Line Deflection Testing (Mandrel)	1.13	
For >100 To 200, Deduct	-0.06	
For >200 To 400, Deduct	-0.11	
For >400, Deduct	-0.18	
33 05 05 43-0005 LF 6" Diameter Pipe Line Deflection Testing (Mandrel)	1.67	
For >100 To 200, Deduct	-0.08	
For >200 To 400, Deduct	-0.15	
For >400, Deduct	-0.23	
33 05 05 43-0006 LF 8" Diameter Pipe Line Deflection Testing (Mandrel)	1.99	
For >100 To 200, Deduct	-0.09	
For >200 To 400, Deduct	-0.17	
For >400, Deduct	-0.27	
33 05 05 43-0007 LF 10" Diameter Pipe Line Deflection Testing (Mandrel)	2.34	
For >100 To 200, Deduct	-0.11	
For >200 To 400, Deduct	-0.20	
For >400, Deduct	-0.31	
33 05 05 43-0008 LF 12" Diameter Pipe Line Deflection Testing (Mandrel)	2.61	
For >100 To 200, Deduct	-0.11	
For >200 To 400, Deduct	-0.21	
For >400, Deduct	-0.34	
33 05 05 43-0009 LF >12" To 15" Diameter Pipe Line Deflection Testing (Mandrel)	2.74	
For >100 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.23	
For >400, Deduct	-0.37	
33 05 05 43-0010 LF >15" To 24" Diameter Pipe Line Deflection Testing (Mandrel)	2.91	
For >100 To 200, Deduct	-0.14	
For >200 To 400, Deduct	-0.26	
For >400, Deduct	-0.40	
33 05 05 43-0011 LF >24" To 30" Diameter Pipe Line Deflection Testing (Mandrel)	3.22	
For >100 To 200, Deduct	-0.16	
For >200 To 400, Deduct	-0.30	
For >400, Deduct	-0.47	
33 05 05 43-0012 LF >30" To 42" Diameter Pipe Line Deflection Testing (Mandrel)	3.83	
For >100 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.39	
For >400, Deduct	-0.61	
33 05 05 43-0013 LF >42" To 48" Diameter Pipe Line Deflection Testing (Mandrel)	5.15	
For >100 To 200, Deduct	-0.31	
For >200 To 400, Deduct	-0.57	
For >400, Deduct	-0.90	
33 05 05 43-0014 LF >48" To 60" Diameter Pipe Line Deflection Testing (Mandrel)	6.59	
For >100 To 200, Deduct	-0.41	
For >200 To 400, Deduct	-0.77	
For >400, Deduct	-1.21	

33 05 07 Trenchless Installation of Utility Piping ^(33 05)**33 05 07 13 Utility Directional Drilling** ^(33 05 07)**33 05 07 13-0001 Horizontal Augering** ^(33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002 LF Up To 2" Diameter Horizontal Hand Augering	27.66	
33 05 07 13-0003 LF 3" Diameter Horizontal Hand Augering	33.38	
33 05 07 13-0004 LF 4" Diameter Horizontal Hand Augering	45.78	



		Utilities	33	CS
		Common Work Results for Utilities	33 05	
		Trenchless Installation of Utility Piping	33 05 07	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 05 07 13-0005	LF 6" Diameter Horizontal Hand Augering	59.13		
33 05 07 13-0006	LF 8" Diameter Horizontal Augering	106.37		
33 05 07 13-0007	LF 10" Diameter Horizontal Augering	155.18		
33 05 07 13-0008	LF 12" Diameter Horizontal Augering	186.47		
33 05 07 13-0009	LF 16" Diameter Horizontal Augering	222.76		
33 05 07 13-0010	LF 20" Diameter Horizontal Augering	385.45		
33 05 07 13-0011	LF 24" Diameter Horizontal Augering	477.76		
33 05 07 13-0012	LF 30" Diameter Horizontal Augering	589.29		
33 05 07 13-0013	LF 36" Diameter Horizontal Augering	673.27		
33 05 07 13-0014	LF 42" Diameter Horizontal Augering	858.56		
33 05 07 13-0015	LF 48" Diameter Horizontal Augering	925.11		
33 05 07 13-0016	LF 54" Diameter Horizontal Augering	1,006.11		
33 05 07 13-0017	LF 60" Diameter Horizontal Augering	1,054.79		
33 05 07 13-0018	EA Minimum Set-up Charge For 8" To 20" Horizontal Augering.....	3,504.08		
	Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
33 05 07 13-0019	EA Minimum Set-up Charge For >20" To 36" Horizontal Augering	4,956.61		
	Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
33 05 07 13-0020	EA Minimum Set-up Charge For >36" Horizontal Augering	7,790.77		
	Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
33 05 07 13-0021	Horizontal Directional Boring (33 05 07 13)			
	Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.			
33 05 07 13-0022	LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	14.77		
	For Horizontal Boring Through Rock, Add	10.34		
33 05 07 13-0023	LF 2" Diameter Directional Boring For Horizontal Pipe, Underground	22.16		
	For Horizontal Boring Through Rock, Add	15.51		
33 05 07 13-0024	LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	30.77		
	For Horizontal Boring Through Rock, Add	21.54		
33 05 07 13-0025	LF 3" Diameter Directional Boring For Horizontal Pipe, Underground	38.16		
	For Horizontal Boring Through Rock, Add	26.71		
33 05 07 13-0026	LF 4" Diameter Directional Boring For Horizontal Pipe, Underground	45.55		
	For Horizontal Boring Through Rock, Add	31.89		
33 05 07 13-0027	LF 5" Diameter Directional Boring For Horizontal Pipe, Underground	52.93		
	For Horizontal Boring Through Rock, Add	37.05		
33 05 07 13-0028	LF 6" Diameter Directional Boring For Horizontal Pipe, Underground	61.55		
	For Horizontal Boring Through Rock, Add	43.09		
33 05 07 13-0029	LF 8" Diameter Directional Boring For Horizontal Pipe, Underground	75.09		
	For Horizontal Boring Through Rock, Add	52.56		
33 05 07 13-0030	LF 10" Diameter Directional Boring For Horizontal Pipe, Underground	81.34		
	For Horizontal Boring Through Rock, Add	56.94		
33 05 07 13-0031	LF 12" Diameter Directional Boring For Horizontal Pipe, Underground	87.60		
	For Horizontal Boring Through Rock, Add	61.32		
33 05 07 13-0032	LF 18" Diameter Directional Boring For Horizontal Pipe, Underground	181.46		
	For Horizontal Boring Through Rock, Add	127.02		
33 05 07 13-0033	LF 24" Diameter Directional Boring For Horizontal Pipe, Underground	282.25		
	For Horizontal Boring Through Rock, Add	197.58		
33 05 07 13-0034	LF 30" Diameter Directional Boring For Horizontal Pipe, Underground	430.26		
	For Horizontal Boring Through Rock, Add	301.18		
33 05 07 13-0035	LF 36" Diameter Directional Boring For Horizontal Pipe, Underground	688.42		
	For Horizontal Boring Through Rock, Add	481.89		
33 05 07 13-0036	EA Minimum Set-up Charge For Up To 6" Horizontal Directional Boring	2,708.30		
	Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
33 05 07 13-0037	EA Minimum Set-up Charge For >6" To 18" Horizontal Directional Boring.....	3,504.08		
	Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
33 05 07 13-0038	EA Minimum Set-up Charge For >18" To 36" Horizontal Directional Boring.....	4,956.61		
	Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
33 05 07 23	Utility Boring and Jacking (33 05 07)			
33 05 07 23-0001	Horizontal Jacking (33 05 07 23)			
	Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.			
33 05 07 23-0002	LF Up To 2" Diameter Horizontal Jacking	71.74		
	For Horizontal Jacking Through Rock, Add	32.94		
33 05 07 23-0003	LF 3" Diameter Horizontal Jacking	85.97		
	For Horizontal Jacking Through Rock, Add	39.76		
33 05 07 23-0004	LF 4" Diameter Horizontal Jacking	116.04		
	For Horizontal Jacking Through Rock, Add	54.53		
33 05 07 23-0005	LF 6" Diameter Horizontal Jacking	149.99		
	For Horizontal Jacking Through Rock, Add	70.44		
33 05 07 23-0006	LF 8" Diameter Horizontal Jacking	203.00		
	For Horizontal Jacking Through Rock, Add	96.56		
33 05 07 23-0007	LF 10" Diameter Horizontal Jacking	297.72		
	For Horizontal Jacking Through Rock, Add	140.88		

33 Utilities**33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0008 LF 12" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	358.50 169.29	
33 05 07 23-0009 LF 16" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	428.01 202.24	
33 05 07 23-0010 LF 20" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	660.81 351.06	
33 05 07 23-0011 LF 24" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,123.72 393.99	
33 05 07 23-0012 LF 30" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,300.75 486.50	
33 05 07 23-0013 LF 36" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,467.73 556.27	
33 05 07 23-0014 LF 42" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,576.07 600.70	
33 05 07 23-0015 LF 48" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,709.86 647.24	
33 05 07 23-0016 LF 54" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,824.97 704.40	
33 05 07 23-0017 EA Minimum Set-up Charge For Up To 6" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,708.30	
33 05 07 23-0018 EA Minimum Set-up Charge For >6" To 20" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,504.08	
33 05 07 23-0019 EA Minimum Set-up Charge For >20" To 36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,956.61	
33 05 07 23-0020 EA Minimum Set-up Charge For >36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,790.77	

33 05 07 24 Casing Piping for Utility Jacking (33 05 07)

33 05 07 24-0001	Casing Pipe (33 05 07 24) Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.	
33 05 07 24-0002	Steel Pipe (33 05 07 24-0001)	
33 05 07 24-0003 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine	22.55	
33 05 07 24-0004 LF 2" Steel Pipe Pull In Place By Boring Machine	23.86	
33 05 07 24-0005 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine	25.82	
33 05 07 24-0006 LF 3" Steel Pipe Pull In Place By Boring Machine	27.81	
33 05 07 24-0007 LF 4" Steel Pipe Pull In Place By Boring Machine	35.36	
33 05 07 24-0008 LF 5" Steel Pipe Pull In Place By Boring Machine	40.08	
33 05 07 24-0009 LF 6" Steel Pipe Pull In Place By Boring Machine	44.80	
33 05 07 24-0010	Polyethylene Pipe (33 05 07 24-0001) Note: Includes detectable tracer wire.	
33 05 07 24-0011 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine	6.02	
33 05 07 24-0012 LF 1" Polyethylene Pipe Pull In Place By Boring Machine	6.61	
33 05 07 24-0013 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine	7.16	
33 05 07 24-0014 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine	7.66	
33 05 07 24-0015 LF 2" Polyethylene Pipe Pull In Place By Boring Machine	8.20	
33 05 07 24-0016 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine	8.75	
33 05 07 24-0017 LF 3" Polyethylene Pipe Pull In Place By Boring Machine	9.34	
33 05 07 24-0018 LF 4" Polyethylene Pipe Pull In Place By Boring Machine	11.30	
33 05 07 24-0019 LF 5" Polyethylene Pipe Pull In Place By Boring Machine	12.52	
33 05 07 24-0020 LF 6" Polyethylene Pipe Pull In Place By Boring Machine	13.73	
33 05 07 24-0021 LF 8" Polyethylene Pipe Pull In Place By Boring Machine	17.85	
33 05 07 24-0022 LF 10" Polyethylene Pipe Pull In Place By Boring Machine	24.27	

33 05 09 Piping Specials for Utilities (33 05)



		Utilities	33	CS
		Common Work Results for Utilities	33 05	
		Piping Specials for Utilities	33 05 09	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 09 13		Couplings for Utility Piping (33 05 09) See CSI section 33 42 11 00-0058 for couplings.		
33 05 09 23		Adapters for Utility Piping (33 05 09) See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.		
33 05 09 33		Thrust Restraint for Utility Piping (33 05 09) See CSI section 33 14 13 13-0568 for mechanical restraints, 33 14 13 13-0603 for flanged restraints, 33 14 13 13-1188 for slip-on restraints, 33 14 13 13-1204 for slip-on restraint harnesses.		
33 05 16		Cast-Iron Utility Pipe (33 05) See CSI section 22 13 16 00-0019 for cast iron utility piping.		
33 05 17		Copper Utility Pipe and Tubing (33 05) See CSI section 33 14 13 39-0000 for copper utility piping.		
33 05 19		Ductile-Iron Utility Pipe (33 05) See CSI section 33 14 13 13-0000 for ductile iron utility piping.		
33 05 24		Steel Utility Pipe (33 05)		
33 05 24 23		Steel Pipe for Water Service (33 05 24) See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.		
33 05 27		Corrugated Metal Utility Pipe (33 05)		
33 05 27 13		Corrugated Metal Culvert Pipe (33 05 27) See CSI section 33 42 11 00-0498 for corrugated metal culvert pipe.		
33 05 27 23		Corrugated Metal Slotted Pipe (33 05 27) See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.		
33 05 27 33		Corrugated Metal Culvert Arch Pipe (33 05 27) See CSI section 33 42 11 00-0842 for corrugated metal culvert arch pipe.		
33 05 31		Thermoplastic Utility Pipe (33 05)		
33 05 31 13		Polyvinyl Chloride Pressure Pipe (33 05 31) See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.		
33 05 31 16		Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) (33 05 31) See CSI section 33 14 13 23-0285 for AWWA C900 and 905 polyvinyl chloride pressure pipe.		
33 05 33		Polyethylene Utility Pipe (33 05)		
33 05 33 13		Corrugated-Wall, Smooth Interior HDPE Gravity Pipe (33 05 33) See CSI section 33 42 11 00-0239 for corrugated-wall smooth interior HDPE gravity pipe.		
33 05 33 23		Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) (33 05 33) See CSI section 33 14 13 23-0540 for AWWA C906 high-density polyethylene pipe.		
33 05 33 33		Corrugated, Perforated HDPE Drainage Pipe (33 05 33) See CSI section 33 42 11 00-0261 for corrugated perforated HDPE drainage pipe.		
33 05 33 36		Corrugated, Non-Perforated HDPE Drainage Pipe (33 05 33) See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
33 05 33 63		HDPE Communication Duct (33 05 33)		
33 05 33 63-0001		ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine (33 05 33 63) Note: Excludes boring.		
33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	3.86	
		For Up To 250, Add.....	0.13	
		For >250 To 500, Add.....	0.08	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	4.32	
		For Up To 250, Add.....	0.15	
		For >250 To 500, Add.....	0.10	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	4.69	
		For Up To 250, Add.....	0.18	
		For >250 To 500, Add.....	0.12	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	5.16	
		For Up To 250, Add.....	0.21	
		For >250 To 500, Add.....	0.14	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	6.98	
		For Up To 250, Add.....	0.44	
		For >250 To 500, Add.....	0.29	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	8.86	
		For Up To 250, Add.....	0.67	
		For >250 To 500, Add.....	0.45	

33 Utilities**33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	3.95	
		For Up To 250, Add	0.14	
		For >250 To 500, Add	0.09	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	4.48	
		For Up To 250, Add	0.18	
		For >250 To 500, Add	0.12	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	4.82	
		For Up To 250, Add	0.20	
		For >250 To 500, Add	0.13	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	5.50	
		For Up To 250, Add	0.26	
		For >250 To 500, Add	0.17	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	7.73	
		For Up To 250, Add	0.55	
		For >250 To 500, Add	0.37	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	9.80	
		For Up To 250, Add	0.81	
		For >250 To 500, Add	0.54	

33 05 39 Concrete Pipe (33 05)**33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)** (33 05)

See CSI section 33 42 11 00-0092 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 41 Vitrified Clay Utility Pipe (33 05)

See CSI section 33 42 11 00-0365 for vitrified clay piping.

33 05 61 Concrete Manholes (33 05)**33 05 61 00-0001 Manholes** (33 05 61)**33 05 61 00-0002 Precast Concrete Manholes** (33 05 61 00-0001)

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,767.32	313.39
		For Bitumastic Coating, Add	82.02	
		For Epoxy Coating, Add	156.73	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole.....	2,407.75	450.15
		For Bitumastic Coating, Add	123.03	
		For Epoxy Coating, Add	235.10	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole.....	3,241.90	683.76
		For Bitumastic Coating, Add	164.04	
		For Epoxy Coating, Add	313.46	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole.....	343.01	79.77
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	20.50	
		For Epoxy Coating, Add	39.18	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole.....	369.92	79.77
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole.....	593.88	79.77
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	473.61	79.77
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole.....	678.45	79.77

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole.....	2,730.13	358.97
		For Bitumastic Coating, Add	82.02	
		For Epoxy Coating, Add	156.73	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole.....	3,640.90	490.03
		For Bitumastic Coating, Add	123.03	
		For Epoxy Coating, Add	235.10	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole.....	4,780.54	740.75
		For Bitumastic Coating, Add	164.04	
		For Epoxy Coating, Add	313.46	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole.....	508.08	94.02
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	20.50	
		For Epoxy Coating, Add	39.18	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole.....	555.45	94.02
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole.....	949.62	94.02
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole.....	737.95	94.02
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole.....	1,098.50	94.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0021 5' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0022 EA 4' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	5,208.09 105.68 252.67	398.86
33 05 61 00-0023 EA 6' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	6,932.18 158.51 379.00	547.01
33 05 61 00-0024 EA 8' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	8,909.95 211.35 505.33	820.52
33 05 61 00-0025 VLF Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	920.83 26.42 63.17	102.57
33 05 61 00-0026 6' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0027 EA 4' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	7,014.76 120.98 295.81	444.44
33 05 61 00-0028 EA 6' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	9,128.21 181.48 443.71	603.99
33 05 61 00-0029 EA 8' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	11,525.67 241.97 591.61	911.68
33 05 61 00-0030 VLF Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	1,121.57 30.25 73.95	113.97
33 05 61 00-0031 7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0032 EA 4' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	11,119.81 257.28 516.90	490.03
33 05 61 00-0033 EA 6' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	14,369.51 385.91 775.35	668.38
33 05 61 00-0034 EA 8' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	17,931.45 514.55 1,033.80	1,002.85
33 05 61 00-0035 VLF Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	1,697.21 64.32 129.22	125.36
33 05 61 00-0036 8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0037 EA 4' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	16,134.66 304.16 630.05	564.10
33 05 61 00-0038 EA 6' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	20,909.93 456.23 945.08	769.23
33 05 61 00-0039 EA 8' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	26,044.19 608.31 1,260.11	1,153.85
33 05 61 00-0040 VLF Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	2,467.41 76.04 157.51	142.45
33 05 63 Concrete Vaults and Chambers (33 05)		
33 05 63 00-0001 Underground Utility Vaults And Structures (33 05 63) See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.		
33 05 63 00-0002 Precast Concrete Underground Utility Vault (33 05 63 00-0001) Note: Sizes given are for inside dimensions.		
33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,724.38	
33 05 63 00-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,854.75	
33 05 63 00-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,009.17	
33 05 63 00-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,247.93	
33 05 63 00-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,204.12	

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,552.32	
33 05 63 00-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,901.71	
33 05 63 00-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,861.24	
33 05 63 00-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,861.24	
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,194.34	
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,120.73	
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,687.98	
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,277.55	
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,194.78	
33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,134.36	
33 05 63 00-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,368.33	
33 05 63 00-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,547.59	
33 05 63 00-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,712.31	
33 05 63 00-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,045.55	
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,823.11	
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,209.37	
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,732.70	
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,986.21	
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,569.44	
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,871.08	
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	11,531.71	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,528.24	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,568.74	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,777.51	
33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,474.75	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,792.99	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,415.42	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,842.03	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,329.10	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,865.22	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,401.36	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,111.16	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,944.60	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,620.32	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	12,375.43	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,777.70	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	19,943.89	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,027.83	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,891.62	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,521.07	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	19,277.23	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,454.11	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,178.10	
33 05 63 00-0056		Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057		Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,789.29	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit.....	5,153.49	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit.....	6,492.50	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit.....	8,056.92	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit.....	11,179.69	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit.....	5,760.37	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit.....	8,056.92	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit.....	10,402.11	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit.....	12,976.14	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit.....	18,547.21	
33 05 63 00-0068		Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures (33 05 63 00-0069) Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	351.96	25.18
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	302.19	55.91
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	461.45	83.87
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	537.06	83.87
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	512.07	83.87
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	621.12	83.87
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	604.66	83.87
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	825.47	83.87
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,172.82	111.83
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,648.02	111.83
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,062.16	153.76
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,210.97	153.76
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,985.12	153.76
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,134.08	167.74
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,621.54	167.74
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,020.16	167.74
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,962.98	167.74
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,638.14	258.38
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,371.79	258.38
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0093 EA 12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	450.74	25.18
33 05 63 00-0094 EA 13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	579.09	83.87
33 05 63 00-0095 EA 17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	700.79	83.87
33 05 63 00-0096 EA 13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	646.32	83.87
33 05 63 00-0097 EA 13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	739.52	83.87
33 05 63 00-0098 EA 17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	763.96	83.87
33 05 63 00-0099 EA 17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	986.14	83.87
33 05 63 00-0100 EA 24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,312.32	153.76
33 05 63 00-0101 EA 24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,461.14	153.76
33 05 63 00-0102 EA 24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,235.31	153.76
33 05 63 00-0103 EA 30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,930.48	258.38
33 05 63 00-0104 EA 30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,669.70	258.38
33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)		
33 05 63 00-0107 EA 5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	577.85	25.18
33 05 63 00-0108 EA 10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.45	25.18
33 05 63 00-0109 EA 13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	395.47	83.87
33 05 63 00-0110 EA 17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	448.22	83.87
33 05 63 00-0111 EA 6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	135.30	25.18
33 05 63 00-0112 EA 12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	210.07	25.18
33 05 63 00-0113 EA 8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	339.82	25.18
33 05 63 00-0114 EA 8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	355.53	25.18
33 05 63 00-0115 EA 11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	296.72	55.91
33 05 63 00-0116 EA 11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	320.80	55.91
33 05 63 00-0117 EA 8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	208.85	25.18
33 05 63 00-0118 EA 8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.28	25.18
33 05 63 00-0119 EA 11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	318.30	55.91
33 05 63 00-0120 EA 11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	358.80	55.91
33 05 63 00-0121 EA 11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	332.59	55.91
33 05 63 00-0122 EA 13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	397.92	83.87
33 05 63 00-0123 EA 13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	437.64	83.87
33 05 63 00-0124 EA 17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	467.18	83.87
33 05 63 00-0125 EA 17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	511.67	83.87
33 05 63 00-0126 EA 17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	600.39	83.87
33 05 63 00-0127 EA 17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	654.20	83.87
33 05 63 00-0128 EA 17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	713.10	83.87
33 05 63 00-0129 EA 17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	750.12	83.87
33 05 63 00-0130 EA 24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	893.68	111.83
33 05 63 00-0131 EA 24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	900.95	153.76
33 05 63 00-0132 EA 24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,158.86	153.76
33 05 63 00-0133 EA 24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,397.00	153.76
33 05 63 00-0134 EA 24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,547.40	153.76
33 05 63 00-0135 EA 24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,696.99	153.76
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,924.36	258.38



		Utilities	33	CS
		Common Work Results for Utilities	33 05	
		Concrete Vaults and Chambers	33 05 63	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0137	EA 30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,397.14	258.38
33 05 63 00-0138	EA 30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,588.15	258.38
33 05 63 00-0139	EA 30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,953.41	258.38
33 05 63 00-0140	EA 30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,949.65	258.38
33 05 63 00-0141	EA 30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,086.00	258.38
33 05 63 00-0142	EA 30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,348.20	258.38
33 05 63 00-0143	EA 36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,157.70	276.84
33 05 63 00-0144	EA 36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,342.84	276.84
33 05 63 00-0145	EA 36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,579.18	276.84
33 05 63 00-0146	EA 36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,673.76	276.84
33 05 63 00-0147	EA 48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,706.63	276.84
33 05 63 00-0148	EA 48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,066.76	276.84
33 05 63 00-0149	EA 36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,367.37	276.84
33 05 63 00-0150	EA 36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,126.20	276.84
33 05 63 00-0151	EA 48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,519.69	295.29
33 05 63 00-0152	EA 48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,345.32	295.29
33 05 63 00-0153	EA 48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,575.75	295.29
33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)			
33 05 63 00-0155	EA 13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	532.43	83.87
33 05 63 00-0156	EA 17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	610.68	83.87
33 05 63 00-0157	EA 6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	229.10	25.18
33 05 63 00-0158	EA 12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	331.28	25.18
33 05 63 00-0159	EA 8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	444.22	25.18
33 05 63 00-0160	EA 8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	459.95	25.18
33 05 63 00-0161	EA 10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	399.55	55.91
33 05 63 00-0162	EA 11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	416.32	55.91
33 05 63 00-0163	EA 11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	438.73	55.91
33 05 63 00-0164	EA 8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.13	25.18
33 05 63 00-0165	EA 8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	365.37	25.18
33 05 63 00-0166	EA 11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	438.19	55.91
33 05 63 00-0167	EA 11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	478.68	55.91
33 05 63 00-0168	EA 11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	453.75	55.91
33 05 63 00-0169	EA 13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	531.67	83.87
33 05 63 00-0170	EA 13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	571.89	83.87
33 05 63 00-0171	EA 17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	626.79	83.87
33 05 63 00-0172	EA 17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	670.99	83.87
33 05 63 00-0173	EA 17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	759.45	83.87
33 05 63 00-0174	EA 17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	813.50	83.87
33 05 63 00-0175	EA 17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	872.14	83.87
33 05 63 00-0176	EA 17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	909.42	83.87
33 05 63 00-0177	EA 24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,113.74	111.83

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0178 EA 24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,151.13	153.76
33 05 63 00-0179 EA 24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,408.74	153.76
33 05 63 00-0180 EA 24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,646.62	153.76
33 05 63 00-0181 EA 24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,796.78	153.76
33 05 63 00-0182 EA 24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,946.87	153.76
33 05 63 00-0183 EA 30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,686.71	258.38
33 05 63 00-0184 EA 30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,878.01	258.38
33 05 63 00-0185 EA 30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,242.98	258.38
33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)		
33 05 63 00-0187 EA 13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.70	83.87
33 05 63 00-0188 EA 17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	569.12	83.87
33 05 63 00-0189 EA 6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	169.31	25.18
33 05 63 00-0190 EA 12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	278.78	25.18
33 05 63 00-0191 EA 8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	400.53	25.18
33 05 63 00-0192 EA 8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	416.54	25.18
33 05 63 00-0193 EA 11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	370.79	55.91
33 05 63 00-0194 EA 11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	417.41	55.91
33 05 63 00-0195 EA 8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	243.93	25.18
33 05 63 00-0196 EA 11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	393.70	55.91
33 05 63 00-0197 EA 11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	451.76	55.91
33 05 63 00-0198 EA 11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	408.79	55.91
33 05 63 00-0199 EA 13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	525.51	83.87
33 05 63 00-0200 EA 13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	604.90	83.87
33 05 63 00-0201 EA 17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	631.30	83.87
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	694.16	83.87
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	751.99	83.87
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	806.58	83.87
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	904.34	83.87
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	917.97	83.87
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,130.79	111.83
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,173.24	153.76
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,457.74	153.76
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,739.09	153.76
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,925.97	153.76
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,112.85	153.76
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,272.55	258.38
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,745.35	258.38
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,951.26	258.38
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,316.25	258.38
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,477.25	258.38
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,527.67	258.38
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,016.76	258.38
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,797.73	276.84



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,893.39	276.84
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,164.73	276.84
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,370.10	276.84
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,095.59	276.84
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,830.07	276.84
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,324.27	276.84
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,653.82	276.84
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,426.17	295.29
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,252.13	295.29
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	7,085.07	295.29
33 05 63 00-0231		Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	625.63	83.87
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	731.89	83.87
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	262.35	25.18
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	399.75	25.18
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	504.72	25.18
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	520.94	25.18
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	490.68	55.91
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	537.01	55.91
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	376.87	25.18
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	513.04	55.91
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	571.11	55.91
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	495.73	55.91
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	659.80	83.87
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	739.19	83.87
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	790.60	83.87
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	853.48	83.87
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	911.29	83.87
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	965.91	83.87
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,063.69	83.87
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,077.27	83.87
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,350.56	111.83
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,423.40	153.76
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,707.64	153.76
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,988.69	153.76
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,175.71	153.76
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,362.73	153.76
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,035.18	258.38
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,241.38	258.38
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,606.11	258.38

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)				
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	522.09	83.87
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	352.66	55.91
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	397.43	55.91
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	463.97	83.87
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	367.32	55.91
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	410.20	55.91
33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)				
Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.				
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	380.62	83.87
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	427.28	83.87
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	489.84	111.83
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	535.65	111.83
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	633.81	153.76
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,125.39	258.38
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,075.31	258.38
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,086.24	258.38
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,465.73	276.84
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	2,327.36	295.29
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	3,054.90	295.29
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	625.44	83.87
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	653.94	83.87
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	698.68	111.83
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	744.99	111.83
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	862.86	153.76
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	1,399.00	258.38
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	486.10	83.87
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	542.32	83.87
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	714.47	153.76
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	1,412.10	276.84
33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)				
33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)				
33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	136.34	11.19
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	138.14	11.19
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	127.86	11.19
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	138.49	11.19
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	139.85	11.18
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	160.77	11.18
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	186.65	11.18
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,233.25	33.22
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,078.93	33.22
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,616.42	33.22
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,634.75	33.22
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,852.23	33.22
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,018.35	33.22
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,244.85	33.22
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	116.45	11.18
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	167.81	11.18
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	170.19	11.18
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	214.70	11.18
33 05 63 00-0310	EA	17" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	161.43	11.18
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	254.40	11.18
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	199.26	11.18
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	411.26	11.18
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	358.98	16.77
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	450.74	16.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0316 EA 39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	581.36	19.57
33 05 63 00-0317 EA 36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	817.50	25.84
33 05 63 00-0318 EA 30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	849.23	49.22
33 05 63 00-0319 EA 11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	217.37	11.18
33 05 63 00-0320 EA 13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	310.88	11.18
33 05 63 00-0321 EA 17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	354.05	11.18
33 05 63 00-0322 EA 27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	590.19	11.18
33 05 63 00-0323 EA 24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	485.12	16.77
33 05 63 00-0324 EA 39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	821.62	19.57
33 05 63 00-0325 EA 36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,077.78	25.84
33 05 63 00-0326 EA 30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,454.48	33.22
33 05 63 00-0327 EA 30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,292.80	33.22
33 05 63 00-0328 EA 36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,806.94	33.22
33 05 63 00-0329 EA 48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,353.74	33.22
33 05 63 00-0330 EA 36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,253.99	33.22
33 05 63 00-0331 EA 48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,422.92	33.22
33 05 63 00-0332 EA 48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,288.64	33.22
33 05 63 00-0333 EA 11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	286.66	11.18
33 05 63 00-0334 EA 11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	313.67	11.18
33 05 63 00-0335 EA 13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	413.72	11.18
33 05 63 00-0336 EA 17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	471.79	11.18
33 05 63 00-0337 EA 27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	817.09	11.18
33 05 63 00-0338 EA 24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	592.04	16.77
33 05 63 00-0339 EA 24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	810.66	16.77
33 05 63 00-0340 EA 39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,258.17	19.57
33 05 63 00-0341 EA 36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,440.08	25.84
33 05 63 00-0342 EA 30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,497.92	49.22
33 05 63 00-0343 EA 30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,732.84	33.22
33 05 63 00-0344 EA 36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,420.26	33.22
33 05 63 00-0345 EA 48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,387.15	33.22
33 05 63 00-0346 EA 36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,022.24	33.22
33 05 63 00-0347 EA 48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,010.30	33.22
33 05 63 00-0348 EA 48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	7,734.97	33.22
33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)		
33 05 63 00-0350 EA 12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	156.91	11.19
33 05 63 00-0351 EA 8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	165.95	11.19
33 05 63 00-0352 EA 11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	168.89	11.18
33 05 63 00-0353 EA 13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	170.00	11.18
33 05 63 00-0354 EA 17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	196.52	11.18
33 05 63 00-0355 EA 10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	124.78	11.18
33 05 63 00-0356 EA 11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	176.36	11.18
33 05 63 00-0357 EA 11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	178.01	11.18
33 05 63 00-0358 EA 13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	223.51	11.18
33 05 63 00-0359 EA 13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	171.02	11.18
33 05 63 00-0360 EA 17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	209.39	11.18
33 05 63 00-0361 EA 17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	263.73	11.18
33 05 63 00-0362 EA 24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	365.23	16.77
33 05 63 00-0363 EA 24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	460.35	16.77
33 05 63 00-0364 EA 30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	859.10	49.22
33 05 63 00-0365 EA 6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	103.59	11.19
33 05 63 00-0366 EA 8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	163.12	11.19
33 05 63 00-0367 EA 8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	181.68	11.19
33 05 63 00-0368 EA 12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	173.44	11.19
33 05 63 00-0369 EA 10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	142.52	11.18
33 05 63 00-0370 EA 11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	225.90	11.18
33 05 63 00-0371 EA 11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	245.17	11.18
33 05 63 00-0372 EA 13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	319.95	11.18
33 05 63 00-0373 EA 17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	363.90	11.18
33 05 63 00-0374 EA 24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	493.93	16.77
33 05 63 00-0375 EA 24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	617.50	16.77
33 05 63 00-0376 EA 30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,132.14	49.22
33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)		
33 05 63 00-0378 EA 6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	83.12	11.19
33 05 63 00-0379 EA 7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	99.13	11.19
33 05 63 00-0380 EA 12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	120.68	11.19
33 05 63 00-0381 EA 8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	130.27	11.19
33 05 63 00-0382 EA 11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	130.00	11.18
33 05 63 00-0383 EA 13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	154.56	11.18
33 05 63 00-0384 EA 17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	178.69	11.18
33 05 63 00-0385 EA 24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	435.01	16.77
33 05 63 00-0386 EA 30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	813.29	49.22
33 05 63 00-0387 EA 30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,219.76	33.22
33 05 63 00-0388 EA 30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,063.70	33.22
33 05 63 00-0389 EA 48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,591.37	33.22
33 05 63 00-0390 EA 36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,535.57	33.22

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0391 EA 36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,837.68	33.22
33 05 63 00-0392 EA 48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,964.61	33.22
33 05 63 00-0393 EA 48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,141.56	33.22
33 05 63 00-0394 EA 10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	111.89	11.18
33 05 63 00-0395 EA 10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	109.22	11.18
33 05 63 00-0396 EA 11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	162.05	11.18
33 05 63 00-0397 EA 11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	178.22	11.18
33 05 63 00-0398 EA 13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	201.93	11.18
33 05 63 00-0399 EA 13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	153.17	11.18
33 05 63 00-0400 EA 18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	171.02	11.18
33 05 63 00-0401 EA 17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	243.21	11.18
33 05 63 00-0402 EA 24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	351.73	16.77
33 05 63 00-0403 EA 20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	440.00	16.77
33 05 63 00-0404 EA 24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	434.75	16.77
33 05 63 00-0405 EA 36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	784.73	25.84
33 05 63 00-0406 EA 30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	813.29	29.53
33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)		
33 05 63 00-0408 EA 30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,270.04	33.22
33 05 63 00-0409 EA 36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,839.55	33.22
33 05 63 00-0410 EA 30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,065.53	49.22
33 05 63 00-0411 EA 30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,413.19	49.22
33 05 63 00-0412 EA 30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,509.17	33.22
33 05 63 00-0413 EA 36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,057.29	33.22
33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)		
33 05 63 00-0415 EA 24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	494.09	16.77
33 05 63 00-0416 EA 36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	920.08	25.84
33 05 63 00-0417 EA 30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	961.94	49.22
33 05 63 00-0418 EA 6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	78.65	11.19
33 05 63 00-0419 EA 8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	131.12	11.19
33 05 63 00-0420 EA 12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	144.39	11.19
33 05 63 00-0421 EA 8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	153.18	11.19
33 05 63 00-0422 EA 10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	134.25	11.18
33 05 63 00-0423 EA 11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	237.35	11.18
33 05 63 00-0424 EA 24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	662.65	16.77
33 05 63 00-0425 EA 36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,224.06	25.84
33 05 63 00-0426 EA 30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,282.68	49.22
33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)		
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 63 00-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover	1,096.73	268.57
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	18.00	
33 05 63 00-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,872.92	402.87
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	114.91	
33 05 63 00-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover	2,241.08	537.15
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	203.17	
33 05 63 00-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover	2,340.64	537.15
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	257.76	
33 05 63 00-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover	2,727.80	671.44
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	311.26	
33 05 63 00-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover	2,892.86	671.44
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	339.74	
33 05 63 00-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover	3,323.78	805.73
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	397.72	
33 05 63 00-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover	3,807.60	940.02
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	549.04	
33 05 63 00-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover	3,814.73	805.73
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	587.04	
33 05 63 00-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover	3,856.96	805.73
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	416.84	
33 05 63 00-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover	826.34	268.57
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	15.00	
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover	982.41	302.15
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add		
	15.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 63 00-0440	EA		12" Diameter Precast Concrete Handholes With Steel Cover	1,227.39	335.72
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	

33 05 81 Metallic Castings for Utility Structures (33 05)

33 05 81 00-0001 Manhole Accessories (33 05 81)

33 05 81 00-0002 Steps For Cast-In-Place Manholes (33 05 81 00-0001)

33 05 81 00-0003	EA		Cast Iron Manhole Step For New Manholes	87.31	
33 05 81 00-0004	EA		Galvanized Steel Manhole Step For New Manholes.....	72.02	
33 05 81 00-0005	EA		Aluminum Manhole Step For New Manholes.....	101.10	

33 05 81 00-0006 Manhole Covers And Frames (33 05 81)

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0008	EA		18" Square, Gray Iron, Manhole Cover With Frame	3,500.91	98.01
			For Ductile Iron Castings, Add	2,243.23	
33 05 81 00-0009	EA		18" Diameter, Gray Iron, Manhole Cover With Frame	1,851.81	98.01
			For Ductile Iron Castings, Add	1,088.86	
33 05 81 00-0010	EA		24" Diameter, Gray Iron, Manhole Cover With Frame	2,140.39	113.97
			For Ductile Iron Castings, Add	1,258.95	
33 05 81 00-0011	EA		24" Square, Gray Iron, Manhole Cover With Frame	3,504.78	126.50
			For Ductile Iron Castings, Add	2,187.44	
33 05 81 00-0012	EA		26" Diameter, Gray Iron, Manhole Cover With Frame	2,890.93	136.76
			For Ductile Iron Castings, Add	1,735.33	
33 05 81 00-0013	EA		30" Diameter, Gray Iron, Manhole Cover With Frame	3,018.13	142.45
			For Ductile Iron Castings, Add	1,813.56	
33 05 81 00-0014	EA		24" Diameter REXUF D400, Ductile Iron Manhole Cover And Frame, County Standard	1,377.69	126.50
			For Ductile Iron Castings, Add	698.47	

33 05 81 00-0015 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0016	EA		20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,860.78	80.91
			For Ductile Iron Castings, Add	2,477.10	
33 05 81 00-0017	EA		22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,898.90	80.91
			For Ductile Iron Castings, Add	2,485.22	
33 05 81 00-0018	EA		24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,953.59	94.59
			For Ductile Iron Castings, Add	2,501.60	
33 05 81 00-0019	EA		26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,745.60	105.98
			For Ductile Iron Castings, Add	3,033.60	
33 05 81 00-0020	EA		30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,543.35	108.26
			For Ductile Iron Castings, Add	3,581.21	
33 05 81 00-0021	EA		32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,850.06	110.54
			For Ductile Iron Castings, Add	3,791.99	
33 05 81 00-0022	EA		36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,124.16	113.97
			For Ductile Iron Castings, Add	3,979.79	

33 05 81 00-0023 Aluminum Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0024	EA		12" Square Aluminum Manhole Cover With Frame	1,232.21	32.08
33 05 81 00-0025	EA		18" Square Aluminum Manhole Cover With Frame	2,265.82	35.51
33 05 81 00-0026	EA		24" Square Aluminum Manhole Cover With Frame	3,255.52	41.23

33 05 81 00-0027 Removal And Reinstallation Of Manhole Cover And Frame (33 05 81 00-0006)

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0028	EA		Removal And Reinstallation Of Manhole Cover And Frame	456.91	

33 05 81 00-0029 Adjust Frame And Cover To Grade (33 05 81 00-0006)

33 05 81 00-0030	EA		Adjust Frame And Cover To Grade	744.62	

33 05 81 00-0031 Composite Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0032	EA		Custom Design "County of Santa Cruz" One Time Fee (per size).....	4,486.86	105.98
33 05 81 00-0033	EA		26" Diameter Composite Manhole Cover With Frame	1,449.35	105.98
			For >4 To 19, Deduct	-103.02	
			For >19 To 49, Deduct	-158.94	
			For >49 To 99, Deduct	-200.23	
			For >99, Deduct	-219.94	
33 05 81 00-0034	EA		32" Diameter Composite Manhole Cover With Frame	1,809.50	110.54
			For >4 To 19, Deduct	-136.69	
			For >19 To 49, Deduct	-210.89	
			For >49 To 99, Deduct	-265.68	
			For >99, Deduct	-291.83	

33 05 83 Non-Metallic Accessories for Utility Structures (33 05)

33 Utilities**33 05 Common Work Results for Utilities****33 05 83 Non-Metallic Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 83 00-0001 Manhole Accessories (33 05 83)		
33 05 83 00-0002 Steps For Cast-In-Place Manholes (33 05 83 00-0001)		
33 05 83 00-0003 EA Polypropylene Manhole Step For New Manholes	55.39	
33 05 83 00-0004 Rainguard Inflow Protectors (33 05 83)		
33 05 83 00-0005 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	144.76	23.85
33 05 83 00-0006 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	168.97	23.85
33 05 83 00-0007 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	202.00	28.61
33 05 83 00-0008 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	217.30	28.61
33 05 83 00-0009 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	270.47	33.38
33 05 83 00-0010 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	289.25	33.38
33 05 84 Accessories for Utility Structures (33 05)		
See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 05 84 00-0001 Manhole Accessories (33 05 84)		
33 05 84 00-0002 Precast Concrete Manhole Tops (33 05 84 00-0001)		
33 05 84 00-0003 Precast Concrete Manhole Slab Tops (33 05 84 00-0002)		
33 05 84 00-0004 EA 3' Diameter x 8" Thick Precast Manhole Top Slab	638.58	85.47
33 05 84 00-0005 EA 4' Diameter x 8" Thick Precast Manhole Top Slab	897.59	92.30
33 05 84 00-0006 EA 5' Diameter x 8" Thick Precast Manhole Top Slab	1,218.97	99.15
33 05 84 00-0007 EA 6' Diameter x 8" Thick Precast Manhole Top Slab	1,461.69	105.98
33 05 84 00-0008 EA 7' Diameter x 8" Thick Precast Manhole Top Slab	2,233.50	113.97
33 05 84 00-0009 EA 8' Diameter x 10" Thick Precast Manhole Top Slab	2,986.85	122.50
33 05 84 00-0010 EA 10' Diameter x 12" Thick Precast Manhole Top Slab	5,101.58	131.05
33 05 84 00-0011 EA 12' Diameter x 12" Thick Precast Manhole Top Slab	7,247.29	141.03
33 05 84 00-0012 Precast Concrete Manhole Cone Tops (33 05 84 00-0002)		
33 05 84 00-0013 EA 3' Diameter x 8" Thick Precast Manhole Top Cone	1,020.73	106.83
33 05 84 00-0014 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,136.70	111.11
33 05 84 00-0015 EA 4' Diameter x 8" Thick Precast Manhole Top Cone	1,252.71	115.38
33 05 84 00-0016 EA 5' Diameter x 8" Thick Precast Manhole Top Cone	1,478.97	122.50
33 05 84 00-0017 EA 6' Diameter x 8" Thick Precast Manhole Top Cone	1,710.96	131.05
33 05 84 00-0018 EA 7' Diameter x 8" Thick Precast Manhole Top Cone	2,722.73	139.60
33 05 84 00-0019 EA 8' Diameter x 10" Thick Precast Manhole Top Cone	3,423.14	153.84
33 05 84 00-0020 Precast Concrete Manhole Reducer Slabs (33 05 84 00-0002)		
33 05 84 00-0021 EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,341.27	99.15
33 05 84 00-0022 EA 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,730.35	105.98
33 05 84 00-0023 EA 7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,289.45	105.98
33 05 84 00-0024 EA 8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,632.79	105.98
33 05 84 00-0025 EA 10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,677.88	105.98
33 05 84 00-0026 EA 12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	6,782.39	105.98
33 05 84 00-0027 Pipe To Manhole Connector (33 05 84 00-0001)		
33 05 84 00-0028 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0027)		
33 05 84 00-0029 EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	96.01	
33 05 84 00-0030 EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	140.51	
33 05 84 00-0031 EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	158.45	
33 05 84 00-0032 EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	238.33	
33 05 84 00-0033 EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	332.50	
33 05 84 00-0034 EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	440.61	
33 05 84 00-0035 EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	790.39	
33 05 84 00-0036 EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,096.88	
33 05 84 00-0037 EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,726.30	
33 05 84 00-0038 EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	2,033.86	
33 05 84 00-0039 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 05 84 00-0027)		
Note: Fernco CMA.		
33 05 84 00-0040 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	117.77	
33 05 84 00-0041 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	163.74	
33 05 84 00-0042 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	206.96	
33 05 84 00-0043 EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	249.96	
33 05 84 00-0044 EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	289.94	
33 05 84 00-0045 Brick And Grout Pipe To Manhole Connector (33 05 84 00-0027)		
33 05 84 00-0046 EA Seal Gap Between Pipe And Structure With Brick And Grout.....	300.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0047 Inverts For Manholes (33 05 84 00-0001)		
33 05 84 00-0048 EA Single Channel Concrete Invert For Manholes	470.68	
33 05 84 00-0049 EA Double Channel Concrete Invert For Manholes	680.78	
33 05 84 00-0050 EA Triple Channel Concrete Invert For Manholes	916.19	
33 05 84 00-0051 EA Quad Channel Concrete Invert For Manholes	1,151.57	
33 05 84 00-0052 EA Single Channel Brick Invert For Manholes	704.93	
33 05 84 00-0053 EA Double Channel Brick Invert For Manholes	1,055.30	
33 05 84 00-0054 EA Triple Channel Brick Invert For Manholes	1,411.68	
33 05 84 00-0055 EA Quad Channel Brick Invert For Manholes	1,764.06	
33 05 84 00-0056 Protective Coating For New Manholes (33 05 84 00-0001)		
33 05 84 00-0057 Polyurethane Protective Coating For New Manholes (33 05 84 00-0056)		
33 05 84 00-0058 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	219.16	
For 80 Mil Material, Add	32.78	
For 100 Mil Material, Add	65.56	
For 125 Mil Material, Add	103.61	
For 150 Mil Material, Add	141.66	
For 200 Mil Material, Add	209.97	
For 2 To 5 Manholes, Deduct	-14.86	
For 6 To 10 Manholes, Deduct	-24.23	
For >10 Manholes, Deduct	-48.46	
33 05 84 00-0059 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	264.41	
For 80 Mil Material, Add	38.91	
For 100 Mil Material, Add	77.83	
For 125 Mil Material, Add	122.90	
For 150 Mil Material, Add	167.97	
For 200 Mil Material, Add	248.58	
For 2 To 5 Manholes, Deduct	-17.98	
For 6 To 10 Manholes, Deduct	-29.36	
For >10 Manholes, Deduct	-58.72	
33 05 84 00-0060 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	292.20	
For 80 Mil Material, Add	43.70	
For 100 Mil Material, Add	87.41	
For 125 Mil Material, Add	138.14	
For 150 Mil Material, Add	188.87	
For 200 Mil Material, Add	279.94	
For 2 To 5 Manholes, Deduct	-19.81	
For 6 To 10 Manholes, Deduct	-32.31	
For >10 Manholes, Deduct	-64.62	
33 05 84 00-0061 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	365.32	
For 80 Mil Material, Add	54.65	
For 100 Mil Material, Add	109.31	
For 125 Mil Material, Add	172.75	
For 150 Mil Material, Add	236.20	
For 200 Mil Material, Add	350.09	
For 2 To 5 Manholes, Deduct	-24.76	
For 6 To 10 Manholes, Deduct	-40.39	
For >10 Manholes, Deduct	-80.78	
33 05 84 00-0062 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	424.51	
For 80 Mil Material, Add	64.54	
For 100 Mil Material, Add	129.08	
For 125 Mil Material, Add	204.16	
For 150 Mil Material, Add	279.25	
For 200 Mil Material, Add	414.52	
For 2 To 5 Manholes, Deduct	-28.67	
For 6 To 10 Manholes, Deduct	-46.73	
For >10 Manholes, Deduct	-93.47	
33 05 84 00-0063 Polyvinyl Chloride (PVC) Liner (33 05 84 00-0056)		
Note: For new manholes and shop applied.		
33 05 84 00-0064 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.43	
33 05 84 00-0065 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	364.59	
33 05 84 00-0066 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	444.92	
33 05 84 00-0067 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	558.74	
33 05 84 00-0068 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	672.56	
33 05 84 00-0069 SF Polyvinyl Chloride (PVC) Liner At Structures	45.65	
33 05 84 00-0070 Concrete Grade Extensions/Grade Rings (33 05 84 00-0001)		
33 05 84 00-0071 18" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0070)		
33 05 84 00-0072 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	96.94	
33 05 84 00-0073 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	106.06	
33 05 84 00-0074 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	115.19	
33 05 84 00-0075 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	124.32	
33 05 84 00-0076 24" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0070)		
33 05 84 00-0077 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	108.85	

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0078 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	119.23	
33 05 84 00-0079 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	129.60	
33 05 84 00-0080 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	139.98	
33 05 84 00-0081 30" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0079)		
33 05 84 00-0082 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	120.52	
33 05 84 00-0083 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	132.09	
33 05 84 00-0084 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	143.65	
33 05 84 00-0085 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	155.22	
33 05 84 00-0086 Expanded Polypropylene (EPP) Finish Ring (33 05 84 00-0001)		
33 05 84 00-0087 EA 34" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	110.47	
33 05 84 00-0088 EA 34" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	112.83	
33 05 84 00-0089 EA 34" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	119.75	
33 05 84 00-0090 EA 34" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	126.67	
33 05 84 00-0091 EA 34" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	133.59	
33 05 84 00-0092 EA 34" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	140.51	
33 05 84 00-0093 EA 34" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	152.90	
33 05 84 00-0094 EA 34" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	123.42	
33 05 84 00-0095 EA 36" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	116.43	
33 05 84 00-0096 EA 36" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	118.96	
33 05 84 00-0097 EA 36" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	126.36	
33 05 84 00-0098 EA 36" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	133.77	
33 05 84 00-0099 EA 36" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	141.17	
33 05 84 00-0100 EA 36" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	148.57	
33 05 84 00-0101 EA 36" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	161.82	
33 05 84 00-0102 EA 36" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	130.29	
33 05 84 00-0103 EA 40" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	129.82	
33 05 84 00-0104 EA 40" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	132.91	
33 05 84 00-0105 EA 40" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	142.15	
33 05 84 00-0106 EA 40" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	151.40	
33 05 84 00-0107 EA 40" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	159.46	
33 05 84 00-0108 EA 40" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	167.52	
33 05 84 00-0109 EA 40" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	181.13	
33 05 84 00-0110 EA 40" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	146.74	
33 05 84 00-0111 EA 46" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	144.55	
33 05 84 00-0112 EA 46" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	148.27	
33 05 84 00-0113 EA 46" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	159.58	
33 05 84 00-0114 EA 46" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	170.90	
33 05 84 00-0115 EA 46" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	179.70	
33 05 84 00-0116 EA 46" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	188.50	
33 05 84 00-0117 EA 46" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	202.55	
33 05 84 00-0118 EA 46" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	164.93	
33 05 84 00-0119 Expanded Polypropylene (EPP) Grade Ring (33 05 84 00-0001)		
33 05 84 00-0120 EA 34" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	140.51	
33 05 84 00-0121 EA 34" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	194.75	
33 05 84 00-0122 EA 34" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	244.35	
33 05 84 00-0123 EA 36" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	148.57	
33 05 84 00-0124 EA 36" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	206.57	
33 05 84 00-0125 EA 36" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	259.62	
33 05 84 00-0126 EA 40" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	167.52	
33 05 84 00-0127 EA 40" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	231.34	
33 05 84 00-0128 EA 40" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	290.19	
33 05 84 00-0129 EA 46" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	188.50	
33 05 84 00-0130 EA 46" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	258.92	
33 05 84 00-0131 EA 46" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	324.30	
33 05 84 00-0132 Bentonite Collar (33 05 84 00-0001)		
33 05 84 00-0133 Bentonite Collar At Manhole Connections (33 05 84 00-0132)		
33 05 84 00-0134 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	164.81	
33 05 84 00-0135 EA >12" To 21", Bentonite Collar At Manhole Connection	261.10	
33 05 84 00-0136 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	414.01	
33 05 84 00-0137 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	968.03	
33 05 84 00-0138 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,509.04	
33 05 84 00-0139 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,740.04	
33 05 84 00-0140 Waste Water Collection System Taps (33 05 84)		
Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0141 Brick Manhole Taps (33 05 84 00-0140)		
33 05 84 00-0142 EA 4" Tap In 6" Brick Manhole	580.58	
33 05 84 00-0143 EA 6" Tap In 6" Brick Manhole	648.51	
33 05 84 00-0144 EA 8" Tap In 6" Brick Manhole	715.23	
33 05 84 00-0145 EA 10" Tap In 6" Brick Manhole	781.81	



		Utilities	33	CS
		Common Work Results for Utilities	33 05	
		Accessories for Utility Structures	33 05 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 84 00-0146	EA	12" Tap In 6" Brick Manhole	862.80
33 05 84 00-0147	EA	15" Tap In 6" Brick Manhole	929.25

33 05 84 00-0148 Precast Concrete Manhole Tap (33 05 84 00-0140)

33 05 84 00-0149	EA	4" Tap In Existing Precast Concrete Manhole	849.69
33 05 84 00-0150	EA	6" Tap In Existing Precast Concrete Manhole	951.59
33 05 84 00-0151	EA	8" Tap In Existing Precast Concrete Manhole	1,064.53
33 05 84 00-0152	EA	10" Tap In Existing Precast Concrete Manhole	1,164.40
33 05 84 00-0153	EA	12" Tap In Existing Precast Concrete Manhole	1,264.07
33 05 84 00-0154	EA	15" Tap In Existing Precast Concrete Manhole	1,366.17
33 05 84 00-0155	EA	18" Tap In Existing Precast Concrete Manhole	1,574.07
33 05 84 00-0156	EA	24" Tap In Existing Precast Concrete Manhole	2,024.50

33 05 97 Identification and Signage for Utilities (33 05)

33 05 97 16 Markers for Utility Identification (33 05 97)

33 05 97 16-0001 Reflective Sheeting Delineators (33 05 97 16)

33 05 97 16-0002	EA	Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square	50.73
33 05 97 16-0003	EA	Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square	54.32
33 05 97 16-0004	EA	Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square	61.51
33 05 97 16-0005	EA	Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square	65.11
33 05 97 16-0006	EA	Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square	68.70
33 05 97 16-0007	EA	Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square	58.81
33 05 97 16-0008	EA	Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	51.63
33 05 97 16-0009	EA	Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	55.22
33 05 97 16-0010	EA	Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	55.22
33 05 97 16-0011	EA	Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	58.81
33 05 97 16-0012	EA	Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	62.41
33 05 97 16-0013	EA	Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	66.00
33 05 97 16-0014	EA	Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	98.36
33 05 97 16-0015	EA	Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	65.11
33 05 97 16-0016	EA	Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	102.85
33 05 97 16-0017	EA	Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	98.36
33 05 97 16-0018	EA	Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	101.95
33 05 97 16-0019	EA	Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	102.85
33 05 97 16-0020	EA	Relocate Delineator	63.92

33 05 97 16-0021 Reference Markers (33 05 97 16)

33 05 97 16-0022	EA	Reference Marker, 4' Mounting Height	100.38
33 05 97 16-0023	EA	Reference Marker, 7' Mounting Height	125.23
33 05 97 16-0024	EA	Reference Marker, Band Or Bracket Mounted	117.99
33 05 97 16-0025	EA	Reference Marker, Furnish Panel Only	106.65
33 05 97 16-0026	EA	Relocate Reference Marker	63.92

33 05 97 16-0027 Object Markers (33 05 97 16)

33 05 97 16-0028	EA	Object Marker, Type L-1	98.14
33 05 97 16-0029	EA	Object Marker, Type L-2	90.40
33 05 97 16-0030	EA	Object Marker, Type K-1	104.34
33 05 97 16-0031	EA	Object Marker, Type K-2	96.59
33 05 97 16-0032	EA	Object Marker, Type Q	65.60

33 10 Water Utilities (33)

33 11 Groundwater Sources (33 10)

33 11 13 Potable Water Supply Wells (33 11)

33 11 13 00-0001 Drill And Test Water Well (33 11 13)

33 11 13 00-0002 Drill Hole (33 11 13 00-0001) Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization (33 11 13 00-0002)

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	1,072.24
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	1,316.89
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,975.34

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. (33 11 13 00-0002) Note: Excludes well casing, gravel or materials.

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0008 LF Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	25.52	
For>100 To 250, Add	0.64	
For>250 To 400, Add	1.28	
For>400 To 600, Add	1.91	
For>600 To 750, Add	2.55	
For>750, Add	3.19	
33 11 13 00-0009 LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	30.29	
For>100 To 250, Add	0.76	
For>250 To 400, Add	1.51	
For>400 To 600, Add	2.27	
For>600 To 750, Add	3.03	
For>750, Add	3.79	
33 11 13 00-0010 LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	40.50	
For>100 To 250, Add	1.01	
For>250 To 400, Add	2.03	
For>400 To 600, Add	3.04	
For>600 To 750, Add	4.05	
For>750, Add	5.06	
33 11 13 00-0011 LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	63.37	
For>100 To 250, Add	1.58	
For>250 To 400, Add	3.17	
For>400 To 600, Add	4.75	
For>600 To 750, Add	6.34	
For>750, Add	7.92	
33 11 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	91.19	
For>100 To 250, Add	2.28	
For>250 To 400, Add	4.56	
For>400 To 600, Add	6.84	
For>600 To 750, Add	9.12	
For>750, Add	11.40	
33 11 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	119.18	
For>100 To 250, Add	2.98	
For>250 To 400, Add	5.96	
For>400 To 600, Add	8.94	
For>600 To 750, Add	11.92	
For>750, Add	14.90	
33 11 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	141.57	
For>100 To 250, Add	3.54	
For>250 To 400, Add	7.08	
For>400 To 600, Add	10.62	
For>600 To 750, Add	14.16	
For>750, Add	17.70	
33 11 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	164.61	
For>100 To 250, Add	4.12	
For>250 To 400, Add	8.23	
For>400 To 600, Add	12.35	
For>600 To 750, Add	16.46	
For>750, Add	20.58	
33 11 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	193.42	
For>100 To 250, Add	4.84	
For>250 To 400, Add	9.67	
For>400 To 600, Add	14.51	
For>600 To 750, Add	19.34	
For>750, Add	24.18	
33 11 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	227.98	
For>100 To 250, Add	5.70	
For>250 To 400, Add	11.40	
For>400 To 600, Add	17.10	
For>600 To 750, Add	22.80	
For>750, Add	28.50	
33 11 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	246.42	
For>100 To 250, Add	6.16	
For>250 To 400, Add	12.32	
For>400 To 600, Add	18.48	
For>600 To 750, Add	24.64	
For>750, Add	30.80	
33 11 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	271.12	
For>100 To 250, Add	6.78	
For>250 To 400, Add	13.56	
For>400 To 600, Add	20.33	
For>600 To 750, Add	27.11	
For>750, Add	33.89	
33 11 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	296.96	
For>100 To 250, Add	7.42	
For>250 To 400, Add	14.85	
For>400 To 600, Add	22.27	
For>600 To 750, Add	29.70	
For>750, Add	37.12	
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	369.38	
For>100 To 250, Add	9.23	
For>250 To 400, Add	18.47	
For>400 To 600, Add	27.70	
For>600 To 750, Add	36.94	
For>750, Add	46.17	



Utilities		33	CS
Water Utilities		33 10	
Groundwater Sources		33 11	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
33 11 13 00-0022 Drill Hole In Sedimentary Rock (33 11 13 00-0002)				
33 11 13 00-0023	LF 6" Water Well Hole Drilled In Sedimentary Rock		52.02	
	For >100 To 250, Add		1.30	
	For >250 To 400, Add		2.60	
	For >400 To 600, Add		3.90	
	For >600 To 750, Add		5.20	
	For >750, Add		6.50	
33 11 13 00-0024	LF 8" Water Well Hole Drilled In Sedimentary Rock		60.58	
	For >100 To 250, Add		1.51	
	For >250 To 400, Add		3.03	
	For >400 To 600, Add		4.54	
	For >600 To 750, Add		6.06	
	For >750, Add		7.57	
33 11 13 00-0025	LF 10" Water Well Hole Drilled In Sedimentary Rock		96.99	
	For >100 To 250, Add		2.42	
	For >250 To 400, Add		4.85	
	For >400 To 600, Add		7.27	
	For >600 To 750, Add		9.70	
	For >750, Add		12.12	
33 11 13 00-0026	LF 12" Water Well Hole Drilled In Sedimentary Rock		126.82	
	For >100 To 250, Add		3.17	
	For >250 To 400, Add		6.34	
	For >400 To 600, Add		9.51	
	For >600 To 750, Add		12.68	
	For >750, Add		15.85	
33 11 13 00-0027	LF 14" Water Well Hole Drilled In Sedimentary Rock		182.53	
	For >100 To 250, Add		4.56	
	For >250 To 400, Add		9.13	
	For >400 To 600, Add		13.69	
	For >600 To 750, Add		18.25	
	For >750, Add		22.82	
33 11 13 00-0028	LF 16" Water Well Hole Drilled In Sedimentary Rock		238.23	
	For >100 To 250, Add		5.96	
	For >250 To 400, Add		11.91	
	For >400 To 600, Add		17.87	
	For >600 To 750, Add		23.82	
	For >750, Add		29.78	
33 11 13 00-0029	LF 18" Water Well Hole Drilled In Sedimentary Rock		283.27	
	For >100 To 250, Add		7.08	
	For >250 To 400, Add		14.16	
	For >400 To 600, Add		21.25	
	For >600 To 750, Add		28.33	
	For >750, Add		35.41	
33 11 13 00-0030	LF 20" Water Well Hole Drilled In Sedimentary Rock		328.69	
	For >100 To 250, Add		8.22	
	For >250 To 400, Add		16.43	
	For >400 To 600, Add		24.65	
	For >600 To 750, Add		32.87	
	For >750, Add		41.09	
33 11 13 00-0031	LF 22" Water Well Hole Drilled In Sedimentary Rock		387.17	
	For >100 To 250, Add		9.68	
	For >250 To 400, Add		19.36	
	For >400 To 600, Add		29.04	
	For >600 To 750, Add		38.72	
	For >750, Add		48.40	
33 11 13 00-0032	LF 24" Water Well Hole Drilled In Sedimentary Rock		447.22	
	For >100 To 250, Add		11.18	
	For >250 To 400, Add		22.36	
	For >400 To 600, Add		33.54	
	For >600 To 750, Add		44.72	
	For >750, Add		55.90	
33 11 13 00-0033	LF 26" Water Well Hole Drilled In Sedimentary Rock		492.85	
	For >100 To 250, Add		12.32	
	For >250 To 400, Add		24.64	
	For >400 To 600, Add		36.96	
	For >600 To 750, Add		49.29	
	For >750, Add		61.61	
33 11 13 00-0034	LF 28" Water Well Hole Drilled In Sedimentary Rock		542.23	
	For >100 To 250, Add		13.56	
	For >250 To 400, Add		27.11	
	For >400 To 600, Add		40.67	
	For >600 To 750, Add		54.22	
	For >750, Add		67.78	
33 11 13 00-0035	LF 30" Water Well Hole Drilled In Sedimentary Rock		593.92	
	For >100 To 250, Add		14.85	
	For >250 To 400, Add		29.70	
	For >400 To 600, Add		44.54	
	For >600 To 750, Add		59.39	
	For >750, Add		74.24	
33 11 13 00-0036	LF 36" Water Well Hole Drilled In Sedimentary Rock		738.78	
	For >100 To 250, Add		18.47	
	For >250 To 400, Add		36.94	
	For >400 To 600, Add		55.41	
	For >600 To 750, Add		73.88	
	For >750, Add		92.35	

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0037 Drill Hole In Crystalline Rock (33 11 13 00-0002)		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	106.99	
For>100 To 250, Add	2.67	
For>250 To 400, Add	5.35	
For>400 To 600, Add	8.02	
For>600 To 750, Add	10.70	
For>750, Add	13.37	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	123.46	
For>100 To 250, Add	3.09	
For>250 To 400, Add	6.17	
For>400 To 600, Add	9.26	
For>600 To 750, Add	12.35	
For>750, Add	15.43	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	141.57	
For>100 To 250, Add	3.54	
For>250 To 400, Add	7.08	
For>400 To 600, Add	10.62	
For>600 To 750, Add	14.16	
For>750, Add	17.70	
33 11 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	179.42	
For>100 To 250, Add	4.49	
For>250 To 400, Add	8.97	
For>400 To 600, Add	13.46	
For>600 To 750, Add	17.94	
For>750, Add	22.43	
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	232.10	
For>100 To 250, Add	5.80	
For>250 To 400, Add	11.61	
For>400 To 600, Add	17.41	
For>600 To 750, Add	23.21	
For>750, Add	29.01	
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	337.45	
For>100 To 250, Add	8.44	
For>250 To 400, Add	16.87	
For>400 To 600, Add	25.31	
For>600 To 750, Add	33.75	
For>750, Add	42.18	
33 11 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	401.66	
For>100 To 250, Add	10.04	
For>250 To 400, Add	20.08	
For>400 To 600, Add	30.12	
For>600 To 750, Add	40.17	
For>750, Add	50.21	
33 11 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	465.85	
For>100 To 250, Add	11.65	
For>250 To 400, Add	23.29	
For>400 To 600, Add	34.94	
For>600 To 750, Add	46.59	
For>750, Add	58.23	
33 11 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	548.16	
For>100 To 250, Add	13.70	
For>250 To 400, Add	27.41	
For>400 To 600, Add	41.11	
For>600 To 750, Add	54.82	
For>750, Add	68.52	
33 11 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	633.76	
For>100 To 250, Add	15.84	
For>250 To 400, Add	31.69	
For>400 To 600, Add	47.53	
For>600 To 750, Add	63.38	
For>750, Add	79.22	
33 11 13 00-0048 Furnish And Install Casing (33 11 13 00-0001)		
Note: Excludes drilling of hole.		
33 11 13 00-0049 Steel Well Casing (33 11 13 00-0048)		
33 11 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	41.37	
For>100 To 250, Deduct	-1.27	
For>250 To 400, Deduct	-2.30	
For>400 To 600, Deduct	-3.45	
For>600 To 750, Deduct	-4.60	
For>750, Deduct	-6.06	
33 11 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	51.43	
For>100 To 250, Deduct	-1.58	
For>250 To 400, Deduct	-2.86	
For>400 To 600, Deduct	-4.29	
For>600 To 750, Deduct	-5.73	
For>750, Deduct	-7.54	



	Utilities	33	
	Water Utilities	33 10	CS
	Groundwater Sources	33 11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	75.73	
		For >100 To 250, Deduct	-2.24	
		For >250 To 400, Deduct	-4.14	
		For >400 To 600, Deduct	-6.20	
		For >600 To 750, Deduct	-8.27	
		For >750, Deduct	-10.79	
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	126.19	
		For >100 To 250, Deduct	-3.57	
		For >250 To 400, Deduct	-6.73	
		For >400 To 600, Deduct	-10.09	
		For >600 To 750, Deduct	-13.46	
		For >750, Deduct	-17.37	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	142.11	
		For >100 To 250, Deduct	-4.14	
		For >250 To 400, Deduct	-7.69	
		For >400 To 600, Deduct	-11.53	
		For >600 To 750, Deduct	-15.38	
		For >750, Deduct	-19.98	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	167.05	
		For >100 To 250, Deduct	-4.90	
		For >250 To 400, Deduct	-9.07	
		For >400 To 600, Deduct	-13.61	
		For >600 To 750, Deduct	-18.15	
		For >750, Deduct	-23.63	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	191.04	
		For >100 To 250, Deduct	-5.68	
		For >250 To 400, Deduct	-10.46	
		For >400 To 600, Deduct	-15.69	
		For >600 To 750, Deduct	-20.92	
		For >750, Deduct	-27.33	
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	218.24	
		For >100 To 250, Deduct	-6.57	
		For >250 To 400, Deduct	-12.03	
		For >400 To 600, Deduct	-18.05	
		For >600 To 750, Deduct	-24.06	
		For >750, Deduct	-31.53	
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	254.81	
		For >100 To 250, Deduct	-7.63	
		For >250 To 400, Deduct	-14.00	
		For >400 To 600, Deduct	-21.00	
		For >600 To 750, Deduct	-28.00	
		For >750, Deduct	-36.63	
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	1.40	
		For >100 To 250, Deduct	-0.05	
		For >250 To 400, Deduct	-0.09	
		For >400 To 600, Deduct	-0.13	
		For >600 To 750, Deduct	-0.17	
		For >750, Deduct	-0.24	
33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded (33 11 13 00-0048)				
33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	69.29	
		For >100 To 250, Deduct	-1.97	
		For >250 To 400, Deduct	-3.70	
		For >400 To 600, Deduct	-5.55	
		For >600 To 750, Deduct	-7.40	
		For >750, Deduct	-9.55	
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	103.47	
		For >100 To 250, Deduct	-2.88	
		For >250 To 400, Deduct	-5.46	
		For >400 To 600, Deduct	-8.20	
		For >600 To 750, Deduct	-10.93	
		For >750, Deduct	-14.04	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	144.22	
		For >100 To 250, Deduct	-3.98	
		For >250 To 400, Deduct	-7.58	
		For >400 To 600, Deduct	-11.38	
		For >600 To 750, Deduct	-15.17	
		For >750, Deduct	-19.44	
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	167.81	
		For >100 To 250, Deduct	-4.64	
		For >250 To 400, Deduct	-8.63	
		For >400 To 600, Deduct	-13.25	
		For >600 To 750, Deduct	-17.67	
		For >750, Deduct	-22.66	
33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring (33 11 13 00-0048)				
33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	155.40	
		For >100 To 250, Deduct	-4.54	
		For >250 To 400, Deduct	-8.42	
		For >400 To 600, Deduct	-12.63	
		For >600 To 750, Deduct	-16.84	
		For >750, Deduct	-21.90	

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0067	LF		12" Diameter, Stainless Steel Well Casing, Welded	179.93	
			For>100 To 250, Deduct	-5.24	
			For>250 To 400, Deduct	-9.74	
			For>400 To 600, Deduct	-14.61	
			For>600 To 750, Deduct	-19.48	
			For>750, Deduct	-25.32	
33 11 13 00-0068	LF		14" Diameter, Stainless Steel Well Casing, Welded	215.67	
			For>100 To 250, Deduct	-6.23	
			For>250 To 400, Deduct	-11.62	
			For>400 To 600, Deduct	-17.43	
			For>600 To 750, Deduct	-23.24	
			For>750, Deduct	-30.15	
33 11 13 00-0069	LF		16" Diameter, Stainless Steel Well Casing, Welded	246.90	
			For>100 To 250, Deduct	-7.13	
			For>250 To 400, Deduct	-13.30	
			For>400 To 600, Deduct	-19.95	
			For>600 To 750, Deduct	-26.60	
			For>750, Deduct	-34.49	
33 11 13 00-0070	LF		18" Diameter, Stainless Steel Well Casing, Welded	273.03	
			For>100 To 250, Deduct	-7.92	
			For>250 To 400, Deduct	-14.75	
			For>400 To 600, Deduct	-22.12	
			For>600 To 750, Deduct	-29.49	
			For>750, Deduct	-38.29	
33 11 13 00-0071	LF		20" Diameter, Stainless Steel Well Casing, Welded	356.48	
			For>100 To 250, Deduct	-10.22	
			For>250 To 400, Deduct	-19.13	
			For>400 To 600, Deduct	-28.69	
			For>600 To 750, Deduct	-38.26	
			For>750, Deduct	-49.52	
33 11 13 00-0072	LF		24" Diameter, Stainless Steel Well Casing, Welded	468.79	
			For>100 To 250, Deduct	-13.35	
			For>250 To 400, Deduct	-25.07	
			For>400 To 600, Deduct	-37.61	
			For>600 To 750, Deduct	-50.14	
			For>750, Deduct	-64.80	
33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 (33 11 13 00-0048)					
33 11 13 00-0074	LF		6" Polyvinyl Chloride (PVC) Well Casing	47.48	
			For>100 To 250, Deduct	-1.37	
			For>250 To 400, Deduct	-2.56	
			For>400 To 600, Deduct	-3.84	
			For>600 To 750, Deduct	-5.12	
			For>750, Deduct	-6.64	
33 11 13 00-0075	LF		8" Polyvinyl Chloride (PVC) Well Casing	75.40	
			For>100 To 250, Deduct	-2.18	
			For>250 To 400, Deduct	-4.06	
			For>400 To 600, Deduct	-6.09	
			For>600 To 750, Deduct	-8.12	
			For>750, Deduct	-10.53	
33 11 13 00-0076	LF		10" Polyvinyl Chloride (PVC) Well Casing	113.95	
			For>100 To 250, Deduct	-3.29	
			For>250 To 400, Deduct	-6.14	
			For>400 To 600, Deduct	-9.21	
			For>600 To 750, Deduct	-12.28	
			For>750, Deduct	-15.93	
33 11 13 00-0077	LF		12" Polyvinyl Chloride (PVC) Well Casing	134.48	
			For>100 To 250, Deduct	-3.90	
			For>250 To 400, Deduct	-7.26	
			For>400 To 600, Deduct	-10.89	
			For>600 To 750, Deduct	-14.52	
			For>750, Deduct	-18.85	
33 11 13 00-0078 Furnish And Install Well Screen Assembly (33 11 13 00-0001)					
33 11 13 00-0079 Stainless Steel Well Screen (33 11 13 00-0078)					
33 11 13 00-0080	LF		2" Stainless Steel Well Screen.....	23.13	1.87
			For>100 To 250, Deduct	-0.82	
			For>250 To 400, Deduct	-1.40	
			For>400 To 600, Deduct	-2.09	
			For>600 To 750, Deduct	-2.79	
			For>750, Deduct	-3.80	
33 11 13 00-0081	LF		3" Stainless Steel Well Screen.....	35.59	1.87
			For>100 To 250, Deduct	-1.15	
			For>250 To 400, Deduct	-2.04	
			For>400 To 600, Deduct	-3.06	
			For>600 To 750, Deduct	-4.08	
			For>750, Deduct	-5.43	
33 11 13 00-0082	LF		4" Stainless Steel Well Screen.....	44.72	2.80
			For>100 To 250, Deduct	-1.44	
			For>250 To 400, Deduct	-2.56	
			For>400 To 600, Deduct	-3.84	
			For>600 To 750, Deduct	-5.12	
			For>750, Deduct	-6.83	



		Utilities	33	CS
		Water Utilities	33 10	
		Groundwater Sources	33 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	.....	56.32	2.80
		For >100 To 250, Deduct	.....	-1.80	
		For >250 To 400, Deduct	.....	-3.20	
		For >400 To 600, Deduct	.....	-4.81	
		For >600 To 750, Deduct	.....	-6.41	
		For >750, Deduct	.....	-8.52	
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	.....	68.02	3.72
		For >100 To 250, Deduct	.....	-2.22	
		For >250 To 400, Deduct	.....	-3.92	
		For >400 To 600, Deduct	.....	-5.88	
		For >600 To 750, Deduct	.....	-7.84	
		For >750, Deduct	.....	-10.47	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	.....	88.66	4.66
		For >100 To 250, Deduct	.....	-2.88	
		For >250 To 400, Deduct	.....	-5.10	
		For >400 To 600, Deduct	.....	-7.64	
		For >600 To 750, Deduct	.....	-10.19	
		For >750, Deduct	.....	-13.60	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	.....	113.00	7.46
		For >100 To 250, Deduct	.....	-3.72	
		For >250 To 400, Deduct	.....	-6.54	
		For >400 To 600, Deduct	.....	-9.82	
		For >600 To 750, Deduct	.....	-13.09	
		For >750, Deduct	.....	-17.52	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	.....	132.53	9.32
		For >100 To 250, Deduct	.....	-4.36	
		For >250 To 400, Deduct	.....	-7.67	
		For >400 To 600, Deduct	.....	-11.51	
		For >600 To 750, Deduct	.....	-15.34	
		For >750, Deduct	.....	-20.53	
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	.....	146.00	10.25
		For >100 To 250, Deduct	.....	-4.85	
		For >250 To 400, Deduct	.....	-8.50	
		For >400 To 600, Deduct	.....	-12.75	
		For >600 To 750, Deduct	.....	-17.00	
		For >750, Deduct	.....	-22.81	
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	.....	158.50	12.11
		For >100 To 250, Deduct	.....	-5.31	
		For >250 To 400, Deduct	.....	-9.28	
		For >400 To 600, Deduct	.....	-13.91	
		For >600 To 750, Deduct	.....	-18.55	
		For >750, Deduct	.....	-24.94	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	.....	190.65	13.98
		For >100 To 250, Deduct	.....	-6.43	
		For >250 To 400, Deduct	.....	-11.20	
		For >400 To 600, Deduct	.....	-16.80	
		For >600 To 750, Deduct	.....	-22.39	
		For >750, Deduct	.....	-30.16	
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	.....	240.38	17.70
		For >100 To 250, Deduct	.....	-8.10	
		For >250 To 400, Deduct	.....	-14.11	
		For >400 To 600, Deduct	.....	-21.16	
		For >600 To 750, Deduct	.....	-28.22	
		For >750, Deduct	.....	-37.99	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	.....	312.09	23.29
		For >100 To 250, Deduct	.....	-10.54	
		For >250 To 400, Deduct	.....	-18.35	
		For >400 To 600, Deduct	.....	-27.52	
		For >600 To 750, Deduct	.....	-36.69	
		For >750, Deduct	.....	-49.43	
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	.....	359.37	27.03
		For >100 To 250, Deduct	.....	-12.09	
		For >250 To 400, Deduct	.....	-21.07	
		For >400 To 600, Deduct	.....	-31.61	
		For >600 To 750, Deduct	.....	-42.15	
		For >750, Deduct	.....	-56.73	
33 11 13 00-0094		Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40	(33 11 13 00-0078)		
33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	.....	14.82	
		For >100 To 250, Deduct	.....	-0.54	
		For >250 To 400, Deduct	.....	-0.91	
		For >400 To 600, Deduct	.....	-1.37	
		For >600 To 750, Deduct	.....	-1.83	
		For >750, Deduct	.....	-2.50	
		For Schedule 80, Add	.....	3.18	
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	.....	16.89	
		For >100 To 250, Deduct	.....	-0.61	
		For >250 To 400, Deduct	.....	-1.03	
		For >400 To 600, Deduct	.....	-1.54	
		For >600 To 750, Deduct	.....	-2.06	
		For >750, Deduct	.....	-2.81	
		For Schedule 80, Add	.....	3.82	

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	24.24	
For >100 To 250, Deduct	-0.93	
For >250 To 400, Deduct	-1.54	
For >400 To 600, Deduct	-2.31	
For >600 To 750, Deduct	-3.08	
For >750, Deduct	-4.27	
For Schedule 80, Add	4.46	
33 11 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	34.84	
For >100 To 250, Deduct	-1.22	
For >250 To 400, Deduct	-2.10	
For >400 To 600, Deduct	-3.14	
For >600 To 750, Deduct	-4.19	
For >750, Deduct	-5.70	
For Schedule 80, Add	8.28	
33 11 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	43.83	
For >100 To 250, Deduct	-1.54	
For >250 To 400, Deduct	-2.64	
For >400 To 600, Deduct	-3.96	
For >600 To 750, Deduct	-5.28	
For >750, Deduct	-7.18	
For Schedule 80, Add	10.38	
33 11 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	54.73	
For >100 To 250, Deduct	-1.90	
For >250 To 400, Deduct	-3.27	
For >400 To 600, Deduct	-4.90	
For >600 To 750, Deduct	-6.54	
For >750, Deduct	-8.86	
For Schedule 80, Add	13.38	
33 11 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	61.02	
For >100 To 250, Deduct	-2.23	
For >250 To 400, Deduct	-3.76	
For >400 To 600, Deduct	-5.64	
For >600 To 750, Deduct	-7.52	
For >750, Deduct	-10.32	
For Schedule 80, Add	13.06	
33 11 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	87.26	
For >100 To 250, Deduct	-3.09	
For >250 To 400, Deduct	-5.27	
For >400 To 600, Deduct	-7.91	
For >600 To 750, Deduct	-10.54	
For >750, Deduct	-14.36	
For Schedule 80, Add	20.39	
33 11 13 00-0103 Furnish And Install Gravel Pack Material (33 11 13 00-0001)		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 11 13 00-0104 Artificial Gravel Pack (33 11 13 00-0103)		
Note: Excludes casing.		
33 11 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen	19.81	
For >100 To 250, Deduct	-0.76	
For >250 To 400, Deduct	-1.26	
For >400 To 600, Deduct	-1.89	
For >600 To 750, Deduct	-2.52	
For >750, Deduct	-3.49	
33 11 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen	29.23	
For >100 To 250, Deduct	-1.15	
For >250 To 400, Deduct	-1.88	
For >400 To 600, Deduct	-2.82	
For >600 To 750, Deduct	-3.76	
For >750, Deduct	-5.25	
33 11 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen	40.67	
For >100 To 250, Deduct	-1.64	
For >250 To 400, Deduct	-2.66	
For >400 To 600, Deduct	-3.99	
For >600 To 750, Deduct	-5.32	
For >750, Deduct	-7.46	
33 11 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen	52.16	
For >100 To 250, Deduct	-2.08	
For >250 To 400, Deduct	-3.39	
For >400 To 600, Deduct	-5.08	
For >600 To 750, Deduct	-6.77	
For >750, Deduct	-9.47	
33 11 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen	64.35	
For >100 To 250, Deduct	-2.54	
For >250 To 400, Deduct	-4.15	
For >400 To 600, Deduct	-6.22	
For >600 To 750, Deduct	-8.29	
For >750, Deduct	-11.57	
33 11 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen	83.35	
For >100 To 250, Deduct	-3.23	
For >250 To 400, Deduct	-5.31	
For >400 To 600, Deduct	-7.97	
For >600 To 750, Deduct	-10.63	
For >750, Deduct	-14.77	



Utilities		33	CS
Water Utilities		33 10	
Groundwater Sources		33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	95.60	
For >100 To 250, Deduct	-3.69	
For >250 To 400, Deduct	-6.08	
For >400 To 600, Deduct	-9.11	
For >600 To 750, Deduct	-12.15	
For >750, Deduct	-16.87	
33 11 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	113.51	
For >100 To 250, Deduct	-4.42	
For >250 To 400, Deduct	-7.26	
For >400 To 600, Deduct	-10.88	
For >600 To 750, Deduct	-14.51	
For >750, Deduct	-20.19	
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	128.40	
For >100 To 250, Deduct	-5.02	
For >250 To 400, Deduct	-8.23	
For >400 To 600, Deduct	-12.35	
For >600 To 750, Deduct	-16.47	
For >750, Deduct	-22.95	
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	138.38	
For >100 To 250, Deduct	-5.36	
For >250 To 400, Deduct	-8.61	
For >400 To 600, Deduct	-13.22	
For >600 To 750, Deduct	-17.63	
For >750, Deduct	-24.50	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	164.96	
For >100 To 250, Deduct	-6.46	
For >250 To 400, Deduct	-10.58	
For >400 To 600, Deduct	-15.87	
For >600 To 750, Deduct	-21.16	
For >750, Deduct	-29.48	
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	190.71	
For >100 To 250, Deduct	-7.61	
For >250 To 400, Deduct	-12.38	
For >400 To 600, Deduct	-18.57	
For >600 To 750, Deduct	-24.76	
For >750, Deduct	-34.64	
33 11 13 00-0117 Develop Well (33 11 13 00-0001)		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118 HR Develop Well.....	458.84	
33 11 13 00-0119 Pump Test (33 11 13 00-0001)		
Note: To determine water level and GPM flow rate.		
33 11 13 00-0120 HR Pump Test Well	405.93	
33 11 13 00-0121 Test Well (33 11 13 00-0001)		
33 11 13 00-0122 VLF 2-1/2" Diameter Test Well	106.34	
33 11 13 00-0123 Surface Seal, Concrete Filled (33 11 13)		
33 11 13 00-0124 SF Surface Seal Well, Concrete Filled	35.13	
33 11 13 00-0125 Other Water Well (33 11 13)		
33 11 13 00-0126 SF Patch Hole In Well Casing	100.78	
33 11 13 00-0127 SF 1/2" Pressure Grout Well	2.61	
33 11 13 00-0128 SF 1" Pressure Grout Well	4.24	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	5.83	
33 11 13 00-0130 Sterilization Of Well (33 11 13)		
33 11 13 00-0131 EA Well Sterilization, Chlorine	1,674.23	
33 11 13 00-0132 Submersible Well Pumps (33 11 13)		
Note: Includes pump end, motor and control box.		
33 11 13 00-0133 4" Submersible Well Pumps (33 11 13 00-0132)		
33 11 13 00-0134 Powder Coated Case And Cast Iron Ends (33 11 13 00-0133)		
33 11 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,492.99	532.94
33 11 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,700.02	590.70
33 11 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,886.96	656.34
33 11 13 00-0138 Stainless Steel Case And Ends (33 11 13 00-0133)		
33 11 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,665.87	525.07
33 11 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,897.79	590.70
33 11 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,126.15	656.34

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,427.93		721.97
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,740.36		787.60
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,358.13		918.87
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,197.33		1,050.14
33 11 13 00-0146		6" Submersible Well Pumps (33 11 13 00-0132)			
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,155.21		1,312.67
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,774.16		1,443.95
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,415.61		1,575.21
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,527.14		1,837.75
33 14 Water Utility Transmission and Distribution (33 10)					
33 14 11 Water Utility Transmission Piping (33 14)		See CSI section 33 14 13 00-0000 for water utility transmission piping.			
33 14 13 Public Water Utility Distribution Piping (33 14)		Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.			
33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)					
33 14 13 13-0001		Ductile Iron Piping (33 14 13 13)			
33 14 13 13-0002		Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)			
		Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0505 for bolts and gaskets.			
33 14 13 13-0003		Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)			
		Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.			
33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	95.96		14.02
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	52.33		
		For Cement Mortar Lining (CML), Add	7.48		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	40.37		
		For Fusion Bonded Epoxy Lining (206N), Add	13.46		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.61		
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct	-4.80		
		For Class 52, Add	22.59		
		For Class 53, Add	40.86		
		For Class 54, Add	58.36		
		For Class 55, Add	67.00		
		For Class 56, Add	75.49		
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	104.74		14.92
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	57.49		
		For Cement Mortar Lining (CML), Add	8.21		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	44.35		
		For Fusion Bonded Epoxy Lining (206N), Add	14.78		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.16		
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct	-5.24		
		For Class 51, Add	11.48		
		For Class 52, Add	24.80		
		For Class 53, Add	44.86		
		For Class 54, Add	64.07		
		For Class 55, Add	73.56		
		For Class 56, Add	82.88		
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	112.83		15.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	62.41		
		For Cement Mortar Lining (CML), Add	8.92		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	48.14		
		For Fusion Bonded Epoxy Lining (206N), Add	16.05		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.69		
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct	-5.64		
		For Class 51, Add	12.45		
		For Class 52, Add	26.90		
		For Class 53, Add	48.66		
		For Class 54, Add	69.51		
		For Class 55, Add	79.80		
		For Class 56, Add	89.90		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe.....	138.69	16.28	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	79.82		
		For Cement Mortar Lining (CML), Add	11.40		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	61.58		
		For Fusion Bonded Epoxy Lining (206N), Add	20.53		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.55		
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct	-6.93		
		For Class 51, Add	15.85		
		For Class 52, Add	34.27		
		For Class 53, Add	62.03		
		For Class 54, Add	88.63		
		For Class 55, Add	101.72		
		For Class 56, Add	114.57		
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe.....	183.51	23.20	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	89.02		
		For Cement Mortar Lining (CML), Add	14.84		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	74.18		
		For Fusion Bonded Epoxy Lining (206N), Add	26.70		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.13		
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct	-9.18		
		For Class 51, Add	20.66		
		For Class 52, Add	44.66		
		For Class 53, Add	80.82		
		For Class 54, Add	115.46		
		For Class 55, Add	132.53		
		For Class 56, Add	149.29		
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe.....	228.54	25.78	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	94.74		
		For Cement Mortar Lining (CML), Add	18.95		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	75.79		
		For Fusion Bonded Epoxy Lining (206N), Add	34.11		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.21		
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct	-11.43		
		For Class 51, Add	26.31		
		For Class 52, Add	56.89		
		For Class 53, Add	103.01		
		For Class 54, Add	147.17		
		For Class 55, Add	168.90		
		For Class 56, Add	190.23		
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe.....	278.93	28.95	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	103.39		
		For Cement Mortar Lining (CML), Add	23.50		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	79.89		
		For Fusion Bonded Epoxy Lining (206N), Add	42.30		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.62		
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct	-13.95		
		For Class 51, Add	32.58		
		For Class 52, Add	70.44		
		For Class 53, Add	127.57		
		For Class 54, Add	182.29		
		For Class 55, Add	209.18		
		For Class 56, Add	235.57		
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe.....	313.65	33.16	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	108.01		
		For Cement Mortar Lining (CML), Add	26.34		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	81.66		
		For Fusion Bonded Epoxy Lining (206N), Add	47.42		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.76		
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct	-15.68		
		For Class 51, Add	36.53		
		For Class 52, Add	78.99		
		For Class 53, Add	143.06		
		For Class 54, Add	204.40		
		For Class 55, Add	234.56		
		For Class 56, Add	264.17		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	396.44	38.68
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	138.51	
For Cement Mortar Lining (CML), Add	33.78	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	104.73	
For Fusion Bonded Epoxy Lining (206N), Add	60.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.34	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-19.82	
For Class 51, Add	46.78	
For Class 52, Add	101.16	
For Class 53, Add	183.25	
For Class 54, Add	261.85	
For Class 55, Add	300.45	
For Class 56, Add	338.35	
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	442.36	46.41
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	141.38	
For Cement Mortar Lining (CML), Add	37.21	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	104.17	
For Fusion Bonded Epoxy Lining (206N), Add	66.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.90	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-22.12	
For Class 51, Add	51.59	
For Class 52, Add	111.55	
For Class 53, Add	202.02	
For Class 54, Add	288.65	
For Class 55, Add	331.24	
For Class 56, Add	373.04	
33 14 13 13-0014 LF 24", Class 50, Mechanical Joint Ductile Iron Pipe.....	587.21	58.00
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	154.79	
For Cement Mortar Lining (CML), Add	49.93	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	104.86	
For Fusion Bonded Epoxy Lining (206N), Add	89.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.45	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-29.36	
For Class 51, Add	69.16	
For Class 52, Add	149.55	
For Class 53, Add	270.89	
For Class 54, Add	387.08	
For Class 55, Add	444.15	
For Class 56, Add	500.18	
33 14 13 13-0015 LF 30", Class 50, Mechanical Joint Ductile Iron Pipe.....	797.88	62.46
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	218.28	
For Cement Mortar Lining (CML), Add	70.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	126.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.81	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-39.89	
For Class 51, Add	97.14	
For Class 52, Add	210.13	
For Class 53, Add	380.86	
For Class 54, Add	544.33	
For Class 55, Add	624.44	
For Class 56, Add	703.06	
33 14 13 13-0016 LF 36", Class 50, Mechanical Joint Ductile Iron Pipe.....	980.08	66.33
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	272.95	
For Cement Mortar Lining (CML), Add	88.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	158.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-49.00	
For Class 51, Add	121.25	
For Class 52, Add	262.32	
For Class 53, Add	475.58	
For Class 54, Add	679.77	
For Class 55, Add	779.72	
For Class 56, Add	877.82	



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0017 LF 42", Class 50, Mechanical Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	1,239.69 351.61 113.42 204.16 85.07 -61.98 155.91 337.35 611.79 874.55 1,003.01 1,129.10	70.19
33 14 13 13-0018 LF 48", Class 50, Mechanical Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	1,557.02 448.16 144.57 260.22 108.43 -77.85 198.44 429.41 778.92 1,113.54 1,277.00 1,437.41	74.18
33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0020 EA 3" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	194.53 12.75 22.94 9.56	44.27
33 14 13 13-0021 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	218.85 13.87 24.97 10.40	52.90
33 14 13 13-0022 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	345.17 22.68 40.82 17.01	78.18
33 14 13 13-0023 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	470.44 32.99 59.38 24.74	92.73
33 14 13 13-0024 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	680.67 52.48 94.47 39.36	102.88
33 14 13 13-0025 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	889.42 70.66 127.19 53.00	120.70
33 14 13 13-0026 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,387.75 118.27 212.89 88.70	135.35

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0027 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,840.65 160.63 289.13 120.47	154.68
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,262.37 193.43 348.17 145.07	216.55
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,107.27 269.72 485.49 202.29	270.70
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,572.27 402.60 724.69 301.95	360.46
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,046.70 646.08 1,162.94 484.56	386.71
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,708.93 1,010.07 1,818.13 757.55	401.48
33 14 13 13-0033 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,023.69 1,732.06 3,117.71 1,299.04	464.05
33 14 13 13-0034 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,843.35 2,309.54 4,157.17 1,732.15	493.70
33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0036 EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	181.41 11.43 20.58 8.57	44.27
33 14 13 13-0037 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	194.48 11.43 20.58 8.57	52.90
33 14 13 13-0038 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	302.06 18.37 33.06 13.78	78.18
33 14 13 13-0039 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	408.59 26.80 48.25 20.10	92.73



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	547.59 39.17 70.51 29.38	102.88
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	767.59 58.48 105.26 43.86	120.70
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,125.34 92.03 165.65 69.02	135.35
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,381.44 114.71 206.47 86.03	154.68
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,973.72 164.57 296.22 123.42	216.55
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,168.23 175.81 316.46 131.86	270.70
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,217.14 267.09 480.76 200.32	360.46
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,012.08 542.62 976.71 406.96	386.71
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,542.22 793.40 1,428.12 595.05	401.48
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,893.68 1,219.06 2,194.30 914.29	464.05
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,722.81 1,597.48 2,875.47 1,198.11	493.70
33 14 13 13-0051		Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	157.05 9.00 16.19 6.75	44.27

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0053 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	188.86 10.87 19.57 8.15	52.90
33 14 13 13-0054 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	287.07 16.87 30.36 12.65	78.18
33 14 13 13-0055 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	402.96 26.24 47.23 19.68	92.73
33 14 13 13-0056 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	545.72 38.99 70.17 29.24	102.88
33 14 13 13-0057 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	694.49 51.17 92.10 38.38	120.70
33 14 13 13-0058 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,136.59 93.15 167.68 69.87	135.35
33 14 13 13-0059 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,334.59 110.02 198.04 82.52	154.68
33 14 13 13-0060 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,679.45 135.14 243.25 101.35	216.55
33 14 13 13-0061 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,246.95 183.68 330.63 137.76	270.70
33 14 13 13-0062 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,010.96 246.47 443.65 184.85	360.46
33 14 13 13-0063 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,133.02 454.71 818.48 341.03	386.71
33 14 13 13-0064 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,273.30 666.51 1,199.71 499.88	401.48



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0065 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,766.32 1,006.32 1,811.38 754.74	464.05
33 14 13 13-0066 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,851.35 1,310.34 2,358.61 982.75	493.70
33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	157.05 9.00 16.19 6.75	44.27
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	183.24 10.31 18.56 7.73	52.90
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	292.69 17.43 31.38 13.07	78.18
33 14 13 13-0071 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	378.60 23.80 42.85 17.85	92.73
33 14 13 13-0072 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	541.97 38.61 69.50 28.96	102.88
33 14 13 13-0073 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	662.63 47.98 86.37 35.99	120.70
33 14 13 13-0074 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,267.79 106.27 191.29 79.71	135.35
33 14 13 13-0075 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,398.31 116.40 209.51 87.30	154.68
33 14 13 13-0076 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,035.58 170.75 307.35 128.06	216.55
33 14 13 13-0077 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,140.12 173.00 311.40 129.75	270.70

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,853.52 230.73 415.31 173.05	360.46
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,215.49 462.96 833.32 347.22	386.71
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,935.92 632.77 1,138.99 474.58	401.48
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,307.12 960.40 1,728.72 720.30	464.05
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,761.38 1,301.34 2,342.41 976.01	493.70
33 14 13 13-0083		Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0082)		
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	200.16 13.31 23.95 9.98	44.27
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	245.09 16.49 29.69 12.37	52.90
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	392.03 27.37 49.26 20.52	78.18
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	532.29 39.17 70.51 29.38	92.73
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	770.64 61.48 110.66 46.11	102.88
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	986.88 80.41 144.73 60.31	120.70



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,700.76 149.57 269.23 112.18	135.35
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,603.50 236.91 426.45 177.69	154.68
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,019.59 269.15 484.47 201.86	216.55
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,104.40 369.43 664.97 277.07	270.70
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,984.62 443.84 798.91 332.88	360.46
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,325.87 874.00 1,573.19 655.50	386.71
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,714.25 1,610.60 2,899.09 1,207.95	401.48
33 14 13 13-0097		Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	183.29 11.62 20.92 8.72	44.27
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	200.11 12.00 21.59 9.00	52.90
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	322.68 20.43 36.77 15.32	78.18
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	468.57 32.80 59.04 24.60	92.73

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0102 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	643.18	102.88
For Cement Mortar Lining (CML), Add	48.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	87.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	876.30	120.70
For Cement Mortar Lining (CML), Add	69.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	124.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,503.95	135.35
For Cement Mortar Lining (CML), Add	129.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	233.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,294.24	154.68
For Cement Mortar Lining (CML), Add	205.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	370.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	154.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,706.58	216.55
For Cement Mortar Lining (CML), Add	237.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	428.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	3,515.87	270.70
For Cement Mortar Lining (CML), Add	310.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	559.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	4,416.70	360.46
For Cement Mortar Lining (CML), Add	387.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	696.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	290.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	8,188.16	386.71
For Cement Mortar Lining (CML), Add	760.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,368.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	570.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	14,620.64	401.48
For Cement Mortar Lining (CML), Add	1,401.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,522.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,050.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0111 Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)		
33 14 13 13-0112 EA 3" x 3" Mechanical Joint Ductile Iron Tee.....	318.04	66.42
For Cement Mortar Lining (CML), Add	21.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113 EA 4" x 3" Mechanical Joint Ductile Iron Tee.....	329.88	74.23
For Cement Mortar Lining (CML), Add	21.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114 EA 4" x 4" Mechanical Joint Ductile Iron Tee.....	300.19	78.18
For Cement Mortar Lining (CML), Add	18.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	32.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.64	
Note: ANSI/AWWA C151/A21.51		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	400.37 25.12 45.21 18.84	98.48
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	460.87 30.55 54.99 22.91	102.54
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	501.87 32.80 59.04 24.60	114.80
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	534.30 35.43 63.77 26.57	118.84
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	607.15 40.86 73.55 30.65	131.04
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	703.85 49.30 88.73 36.97	139.22
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	737.29 54.36 97.84 40.77	127.87
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	737.99 52.67 94.80 39.50	139.47
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	839.70 61.67 111.00 46.25	147.21
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	939.10 70.47 126.85 52.86	154.68
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	882.56 66.54 119.77 49.90	143.34
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,003.22 76.85 138.32 57.64	154.93

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0127 EA 12" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,234.25 98.78 177.80 74.08	162.68
33 14 13 13-0128 EA 12" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,322.41 106.46 191.63 79.85	170.16
33 14 13 13-0129 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,253.53 98.40 177.12 73.80	177.89
33 14 13 13-0130 EA 14" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,338.14 106.46 191.63 79.85	180.53
33 14 13 13-0131 EA 14" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,490.45 120.52 216.93 90.39	188.28
33 14 13 13-0132 EA 14" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,906.62 161.00 289.81 120.75	195.74
33 14 13 13-0133 EA 14" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,038.30 173.00 311.40 129.75	203.48
33 14 13 13-0134 EA 14" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,965.85 163.82 294.87 122.86	216.32
33 14 13 13-0135 EA 16" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,701.88 137.39 247.30 103.04	216.54
33 14 13 13-0136 EA 16" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,831.80 149.20 268.55 111.90	224.29
33 14 13 13-0137 EA 16" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,135.50 178.44 321.18 133.83	231.75
33 14 13 13-0138 EA 16" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,338.41 197.55 355.60 148.16	239.49



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,817.01 243.47 438.25 182.61	252.30
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,660.61 225.11 405.19 168.83	270.35
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,365.44 194.55 350.20 145.92	277.14
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,538.37 210.67 379.21 158.01	284.88
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,748.36 230.54 414.97 172.91	292.36
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,956.89 250.22 450.40 187.67	300.09
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,041.88 256.78 462.21 192.59	312.88
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,247.23 274.59 494.26 205.94	330.89
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,804.81 325.76 586.36 244.32	361.17
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,791.36 218.92 394.06 164.19	397.42
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,851.82 223.79 402.83 167.85	405.17
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,108.67 248.35 447.02 186.26	412.63

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0151 EA 20" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,364.06 272.71 490.89 204.54	420.37
33 14 13 13-0152 EA 20" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,404.06 274.78 494.60 206.08	433.16
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,453.84 277.02 498.64 207.77	451.17
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,346.93 361.74 651.14 271.31	481.47
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,823.27 300.27 540.48 225.20	541.62
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,417.26 263.34 474.02 197.51	517.33
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,462.73 266.72 480.09 200.04	525.81
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,818.92 301.20 542.17 225.90	532.54
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,914.97 309.64 557.35 232.23	540.28
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,410.44 357.25 643.04 267.93	553.08
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,765.73 390.05 702.08 292.53	571.07
33 14 13 13-0162 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,418.92 450.77 811.39 338.08	601.38



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0163 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,006.73 500.44 900.80 375.33	661.52
33 14 13 13-0164 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,550.27 445.71 802.28 334.28	721.51
33 14 13 13-0165 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,953.46 502.88 905.18 377.16	610.29
33 14 13 13-0166 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,274.04 533.81 960.85 400.35	617.74
33 14 13 13-0167 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,595.03 564.73 1,016.52 423.55	625.49
33 14 13 13-0168 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,053.01 608.59 1,095.47 456.44	638.29
33 14 13 13-0169 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,548.88 655.45 1,179.81 491.59	849.23
33 14 13 13-0170 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,752.22 671.19 1,208.15 503.40	686.59
33 14 13 13-0171 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,062.65 693.12 1,247.62 519.84	746.73
33 14 13 13-0172 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,470.25 724.80 1,304.64 543.60	806.69
33 14 13 13-0173 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,630.28 934.35 1,681.83 700.76	849.23
33 14 13 13-0174 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,226.63 531.37 956.47 398.53	602.54

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,282.24 625.65 1,126.17 469.24	677.00
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,107.02 706.99 1,272.59 530.25	684.48
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,553.58 750.48 1,350.86 562.86	692.21
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,874.74 780.65 1,405.18 585.49	705.00
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,200.04 810.46 1,458.82 607.84	723.01
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,823.23 868.19 1,562.73 651.14	753.31
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,493.52 926.10 1,666.98 694.58	813.44
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,611.48 1,028.81 1,851.87 771.61	873.40
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,840.00 1,145.21 2,061.38 858.91	949.42
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,999.14 1,356.07 2,440.93 1,017.05	949.42
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,879.59 1,577.43 2,839.37 1,183.07	729.49
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,217.61 1,609.29 2,896.72 1,206.97	742.31



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,139.83 1,798.79 3,237.81 1,349.09	760.30
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,892.45 1,669.46 3,005.02 1,252.09	790.59
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,983.57 1,669.46 3,005.02 1,252.09	850.75
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,379.93 1,700.01 3,060.01 1,275.01	910.69
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,298.08 2,085.37 3,753.66 1,564.03	953.30
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,223.93 2,172.90 3,911.22 1,629.67	986.67
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,569.83 2,304.66 4,148.40 1,728.50	1,005.32
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,891.69 1,869.63 3,365.34 1,402.23	788.93
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,248.46 1,903.37 3,426.07 1,427.53	801.73
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,753.69 1,951.17 3,512.10 1,463.38	819.74
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,275.67 1,998.78 3,597.80 1,499.08	850.03
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,844.75 2,046.57 3,683.83 1,534.93	910.17

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0199 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,999.32 2,052.94 3,695.30 1,539.71	970.12
33 14 13 13-0200 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,785.28 2,525.08 4,545.15 1,893.81	1,012.73
33 14 13 13-0201 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,546.98 2,896.20 5,213.16 2,172.15	1,046.09
33 14 13 13-0202 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,044.71 3,043.15 5,477.66 2,282.36	1,064.74
33 14 13 13-0203 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,578.93 3,092.07 5,565.72 2,319.05	1,094.50
33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)		
33 14 13 13-0205 EA 4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	271.78 15.93 28.68 11.95	74.23
33 14 13 13-0206 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	416.40 29.80 53.64 22.35	78.13
33 14 13 13-0207 EA 6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	400.37 25.12 45.21 18.84	98.48
33 14 13 13-0208 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	462.75 30.74 55.33 23.05	102.54
33 14 13 13-0209 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	623.70 44.98 80.97 33.74	114.74
33 14 13 13-0210 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	800.45 62.04 111.67 46.53	118.84
33 14 13 13-0211 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	717.74 51.92 93.45 38.94	131.04



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	866.91 65.60 118.08 49.20	139.18
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,237.74 104.40 187.92 78.30	127.87
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,309.66 109.84 197.70 82.38	139.47
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,505.08 128.20 230.77 96.15	147.21
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,694.46 146.01 262.82 109.51	154.68
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,579.81 136.26 245.27 102.20	143.34
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,786.69 155.19 279.35 116.40	154.93
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,152.66 190.62 343.11 142.96	162.68
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,214.59 195.68 352.22 146.76	170.16
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,007.00 173.75 312.75 130.31	177.88
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,365.27 209.17 376.51 156.88	180.53
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,706.88 242.16 435.89 181.62	188.28

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,533.53	195.74
		For Cement Mortar Lining (CML), Add	323.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	582.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	242.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,785.16	203.48
		For Cement Mortar Lining (CML), Add	347.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	625.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	260.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,699.59	216.28
		For Cement Mortar Lining (CML), Add	337.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	606.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	252.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,431.09	216.54
		For Cement Mortar Lining (CML), Add	210.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	378.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	157.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,675.24	224.29
		For Cement Mortar Lining (CML), Add	233.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	420.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	175.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,153.26	231.75
		For Cement Mortar Lining (CML), Add	280.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	504.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	210.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,526.73	239.49
		For Cement Mortar Lining (CML), Add	316.39	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	569.49	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	237.29	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,412.06	252.30
		For Cement Mortar Lining (CML), Add	402.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	725.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	302.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,255.65	270.30
		For Cement Mortar Lining (CML), Add	384.61	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	692.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	288.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,825.54	277.14
		For Cement Mortar Lining (CML), Add	340.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	613.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	255.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,118.42	284.88
		For Cement Mortar Lining (CML), Add	368.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	663.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	276.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,401.51	292.36
		For Cement Mortar Lining (CML), Add	395.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	712.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	296.89	
		Note: ANSI/AWWA C151/A21.51		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,709.38 425.47 765.85 319.10	300.09
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,762.50 428.84 771.92 321.63	312.88
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,812.29 431.09 775.97 323.32	330.89
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,404.60 385.74 694.32 289.30	361.19
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,541.97 393.98 709.17 295.49	397.42
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,641.79 402.79 725.02 302.09	405.17
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,095.45 447.03 804.65 335.27	412.63
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,545.76 490.88 883.59 368.16	420.37
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,602.64 494.63 890.34 370.97	433.16
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,669.29 498.57 897.42 373.93	451.17
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,566.12 583.66 1,050.59 437.75	481.47
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,226.15 540.55 973.00 405.42	541.60

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,524.00	517.33
		For Cement Mortar Lining (CML), Add	474.02	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	853.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	355.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,595.70	525.07
		For Cement Mortar Lining (CML), Add	480.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	864.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	360.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,227.42	532.54
		For Cement Mortar Lining (CML), Add	542.05	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	975.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	406.54	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,516.52	540.28
		For Cement Mortar Lining (CML), Add	569.79	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,025.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	427.34	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,518.07	553.08
		For Cement Mortar Lining (CML), Add	668.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,202.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	501.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,349.43	571.07
		For Cement Mortar Lining (CML), Add	748.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,347.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	561.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,340.00	601.38
		For Cement Mortar Lining (CML), Add	842.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,517.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	632.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,261.44	661.52
		For Cement Mortar Lining (CML), Add	925.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,666.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	694.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,115.23	721.47
		For Cement Mortar Lining (CML), Add	802.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,443.98	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	601.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,369.76	602.54
		For Cement Mortar Lining (CML), Add	1,045.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,882.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	784.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	12,742.25	610.29
		For Cement Mortar Lining (CML), Add	1,181.76	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,127.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	886.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	13,480.80	617.74
		For Cement Mortar Lining (CML), Add	1,254.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,258.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	940.86	
		Note: ANSI/AWWA C151/A21.51		



Utilities		33	CS
Water Utilities		33 10	
Water Utility Transmission and Distribution		33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,219.76 1,327.21 2,388.97 995.40	625.49
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,268.15 1,430.11 2,574.19 1,072.58	638.29
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,397.54 1,540.32 2,772.57 1,155.24	656.29
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,812.68 1,577.24 2,839.03 1,182.93	686.59
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,419.25 1,628.78 2,931.81 1,221.59	746.73
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,254.20 1,703.20 3,065.75 1,277.40	806.69
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,782.59 1,849.58 3,329.24 1,387.18	849.30
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,686.94 2,063.81 3,714.87 1,547.86	692.21
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,536.66 2,146.85 3,864.32 1,610.13	705.00
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,383.02 2,228.75 4,011.76 1,671.57	723.01
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,016.47 2,387.51 4,297.52 1,790.63	753.31
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,700.76 2,546.83 4,584.29 1,910.12	813.44

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0272	EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,616.20 2,829.29 5,092.71 2,121.96	873.40
33 14 13	13-0273	EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,172.62 3,178.47 5,721.25 2,383.85	916.01
33 14 13	13-0274	EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,578.98 3,814.05 6,865.30 2,860.54	949.37
33 14 13	13-0275	EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	34,828.08 3,353.91 6,037.03 2,515.43	850.75
33 14 13	13-0276	EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35,700.52 3,432.07 6,177.72 2,574.05	910.69
33 14 13	13-0277	EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,134.21 3,668.98 6,604.17 2,751.74	953.30
33 14 13	13-0278	EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	43,601.54 4,210.66 7,579.19 3,158.00	986.67
33 14 13	13-0279	EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	51,415.72 4,989.25 8,980.65 3,741.94	1,005.31
33 14 13	13-0280	EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	34,363.33 3,298.43 5,937.17 2,473.82	910.17
33 14 13	13-0281	EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,915.05 3,744.52 6,740.13 2,808.39	970.12
33 14 13	13-0282	EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	41,474.32 3,993.99 7,189.18 2,995.49	1,012.73
33 14 13	13-0283	EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	47,269.67 4,568.47 8,223.24 3,426.35	1,046.09



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 14 13 13-0284	EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	61,786.42 6,017.32 10,831.17 4,512.99		1,064.74
33 14 13 13-0285	EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	67,829.25 6,617.10 11,910.78 4,962.82		1,094.46
33 14 13 13-0286	Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee (33 14 13 13-0002)			
33 14 13 13-0287	EA 6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	552.47 37.86 68.15 28.40 28.40		114.80
33 14 13 13-0288	EA 8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	655.88 45.73 82.32 34.30 34.30		131.04
33 14 13 13-0289	EA 10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	991.03 77.97 140.35 58.48 58.48		139.47
33 14 13 13-0290	EA 12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,113.81 87.91 158.23 65.93 65.93		154.93
33 14 13 13-0291	EA 14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,518.08 124.46 224.02 93.34 93.34		180.53
33 14 13 13-0292	EA 16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,938.14 161.00 289.81 120.75 120.75		216.54
33 14 13 13-0293	EA 18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	2,380.44 196.05 352.90 147.04 147.04		277.14
33 14 13 13-0294	EA 20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	3,336.78 273.46 492.23 205.10 205.10		397.42

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0295 EA 24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	3,880.20 313.39 564.09 235.04 235.04	517.33
33 14 13 13-0296 EA 30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	7,568.64 665.57 1,198.03 499.18 499.18	602.54
33 14 13 13-0297 Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee (33 14 13 13-0002)		
33 14 13 13-0298 EA 6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	496.24 32.24 58.03 24.18 24.18	114.80
33 14 13 13-0299 EA 8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	580.91 38.24 68.82 28.68 28.68	131.04
33 14 13 13-0300 EA 10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	826.09 61.48 110.66 46.11 46.11	139.47
33 14 13 13-0301 EA 12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,021.96 78.72 141.70 59.04 59.04	154.93
33 14 13 13-0302 EA 14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,285.66 101.21 182.18 75.91 75.91	180.53
33 14 13 13-0303 EA 16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,623.26 129.52 233.13 97.14 97.14	216.54
33 14 13 13-0304 EA 18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	2,097.42 167.75 301.95 125.81 125.81	277.14



Utilities			33
Water Utilities			33 10
Water Utility Transmission and Distribution			33 14

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0305	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	2,292.79 169.06 304.32 126.80 126.80	397.42
33 14 13 13-0306	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	3,181.08 243.47 438.25 182.61 182.61	517.33
33 14 13 13-0307 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)				
33 14 13 13-0308	EA	3" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	375.96 24.18 43.52 18.13	88.55
33 14 13 13-0309	EA	4" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	455.26 30.93 55.67 23.19	96.35
33 14 13 13-0310	EA	4" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	539.72 39.17 70.51 29.38	97.66
33 14 13 13-0311	EA	6" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	644.07 46.11 82.99 34.58	120.72
33 14 13 13-0312	EA	6" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	624.64 42.73 76.92 32.05	130.22
33 14 13 13-0313	EA	6" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	726.46 47.98 86.37 35.99	162.77
33 14 13 13-0314	EA	8" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	641.29 42.55 76.58 31.91	142.44
33 14 13 13-0315	EA	8" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	761.82 49.67 89.40 37.25	174.99
33 14 13 13-0316	EA	8" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	806.60 52.29 94.13 39.22	187.19

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0317	EA	10" x 4" Mechanical Joint Ductile Iron Cross	781.39	149.55
		For Cement Mortar Lining (CML), Add	55.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	99.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	10" x 6" Mechanical Joint Ductile Iron Cross	895.73	180.49
		For Cement Mortar Lining (CML), Add	62.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	112.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,063.27	192.10
		For Cement Mortar Lining (CML), Add	77.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	139.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.92	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,150.37	206.24
		For Cement Mortar Lining (CML), Add	83.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	150.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	12" x 4" Mechanical Joint Ductile Iron Cross	947.09	162.41
		For Cement Mortar Lining (CML), Add	70.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	126.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,100.79	193.36
		For Cement Mortar Lining (CML), Add	80.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	145.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,585.09	204.97
		For Cement Mortar Lining (CML), Add	127.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	229.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,606.59	219.15
		For Cement Mortar Lining (CML), Add	127.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	229.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,822.90	232.02
		For Cement Mortar Lining (CML), Add	147.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	264.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,866.69	212.68
		For Cement Mortar Lining (CML), Add	154.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	278.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,195.42	224.29
		For Cement Mortar Lining (CML), Add	185.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	334.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	139.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,254.40	238.48
		For Cement Mortar Lining (CML), Add	189.31	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	340.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	141.98	
		Note: ANSI/AWWA C151/A21.51		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0329	EA	14" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,378.86 199.80 359.65 149.85	251.35
33 14 13 13-0330	EA	14" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,631.19 222.11 399.79 166.58	270.70
33 14 13 13-0331	EA	16" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,134.47 177.12 318.82 132.84	239.73
33 14 13 13-0332	EA	16" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,427.58 204.68 368.42 153.51	251.35
33 14 13 13-0333	EA	16" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,903.75 250.14 450.26 187.61	265.53
33 14 13 13-0334	EA	16" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,235.18 281.34 506.40 211.00	278.41
33 14 13 13-0335	EA	16" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,905.48 345.44 621.79 259.08	297.73
33 14 13 13-0336	EA	16" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,570.62 407.85 734.13 305.89	324.84
33 14 13 13-0337	EA	18" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,524.00 309.45 557.01 232.09	283.48
33 14 13 13-0338	EA	18" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,725.30 327.82 590.07 245.86	295.09
33 14 13 13-0339	EA	18" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,900.48 343.19 617.74 257.39	309.27
33 14 13 13-0340	EA	18" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,227.37 373.93 673.07 280.45	322.15

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0341	EA	18" x 14" Mechanical Joint Ductile Iron Cross	4,929.54	341.48
		For Cement Mortar Lining (CML), Add	441.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	794.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	330.91	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,247.92	368.52
		For Cement Mortar Lining (CML), Add	468.96	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	844.12	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	351.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,497.88	412.25
		For Cement Mortar Lining (CML), Add	487.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	877.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	365.49	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,430.01	355.67
		For Cement Mortar Lining (CML), Add	389.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	700.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	291.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,633.16	367.29
		For Cement Mortar Lining (CML), Add	407.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	733.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,776.48	381.48
		For Cement Mortar Lining (CML), Add	419.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	755.73	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	314.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,101.51	394.35
		For Cement Mortar Lining (CML), Add	450.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	810.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	337.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,192.62	413.69
		For Cement Mortar Lining (CML), Add	456.58	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	821.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	342.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,275.75	440.73
		For Cement Mortar Lining (CML), Add	560.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,009.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	420.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,525.71	484.47
		For Cement Mortar Lining (CML), Add	579.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,042.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	434.37	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,064.33	556.62
		For Cement Mortar Lining (CML), Add	622.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,119.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	466.57	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,036.57	444.94
		For Cement Mortar Lining (CML), Add	536.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	965.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	402.18	
		Note: ANSI/AWWA C151/A21.51		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0353	EA	24" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,178.22 548.61 987.50 411.46	456.55
33 14 13 13-0354	EA	24" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,413.04 569.98 1,025.97 427.49	470.73
33 14 13 13-0355	EA	24" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,616.23 588.35 1,059.03 441.26	483.61
33 14 13 13-0356	EA	24" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,737.35 597.53 1,075.56 448.15	502.93
33 14 13 13-0357	EA	24" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,993.89 619.09 1,114.36 464.32	529.99
33 14 13 13-0358	EA	24" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,236.24 836.70 1,506.05 627.52	573.72
33 14 13 13-0359	EA	24" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,743.01 876.43 1,577.58 657.32	645.93
33 14 13 13-0360	EA	24" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,736.67 962.28 1,732.10 721.71	735.21
33 14 13 13-0361	EA	30" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,525.64 1,062.93 1,913.27 797.20	591.61
33 14 13 13-0362	EA	30" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,755.18 1,083.73 1,950.72 812.80	605.80
33 14 13 13-0363	EA	30" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,980.87 1,104.35 1,987.83 828.26	618.67
33 14 13 13-0364	EA	30" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,248.18 1,128.15 2,030.68 846.11	637.99

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0365 EA 30" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,555.34 1,154.77 2,078.58 866.08	665.04
33 14 13 13-0366 EA 30" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,917.75 1,184.38 2,131.89 888.29	708.79
33 14 13 13-0367 EA 30" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,381.40 1,219.81 2,195.65 914.86	781.00
33 14 13 13-0368 EA 30" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,192.18 1,587.36 2,857.25 1,190.52	870.25
33 14 13 13-0369 EA 30" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,769.70 1,824.65 3,284.37 1,368.49	1,005.32
33 14 13 13-0370 EA 36" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,073.21 1,510.14 2,718.25 1,132.61	641.40
33 14 13 13-0371 EA 36" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,300.88 1,530.76 2,755.36 1,148.07	655.58
33 14 13 13-0372 EA 36" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,496.57 1,548.38 2,787.08 1,161.28	668.46
33 14 13 13-0373 EA 36" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,732.02 1,568.99 2,824.19 1,176.74	687.78
33 14 13 13-0374 EA 36" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,009.18 1,592.61 2,866.70 1,194.46	714.84
33 14 13 13-0375 EA 36" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,339.73 1,619.04 2,914.27 1,214.28	758.57
33 14 13 13-0376 EA 36" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,773.39 1,651.46 2,972.63 1,238.60	830.78



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0377	EA	36" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,527.15 1,713.32 3,083.97 1,284.99	920.04
33 14 13 13-0378	EA	36" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,943.29 2,334.47 4,202.04 1,750.85	1,055.09
33 14 13 13-0379	EA	36" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	27,402.85 2,572.88 4,631.18 1,929.66	1,104.93
33 14 13 13-0380	EA	42" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,563.37 2,050.69 3,691.25 1,538.02	697.24
33 14 13 13-0381	EA	42" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,377.41 2,329.17 4,192.51 1,746.88	716.57
33 14 13 13-0382	EA	42" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,055.36 2,092.87 3,767.16 1,569.65	743.61
33 14 13 13-0383	EA	42" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,348.42 2,115.55 3,807.98 1,586.66	787.36
33 14 13 13-0384	EA	42" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,767.09 2,146.47 3,863.65 1,609.85	859.58
33 14 13 13-0385	EA	42" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,466.49 2,202.89 3,965.20 1,652.17	948.82
33 14 13 13-0386	EA	42" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,036.32 2,839.41 5,110.93 2,129.56	1,083.88
33 14 13 13-0387	EA	42" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,211.58 3,749.39 6,748.90 2,812.04	1,133.67
33 14 13 13-0388	EA	42" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	42,014.19 4,025.29 7,245.52 3,018.97	1,162.47

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0389 EA 48" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,145.71 2,791.61 5,024.90 2,093.71	811.52
33 14 13 13-0390 EA 48" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,343.69 2,808.48 5,055.27 2,106.36	830.86
33 14 13 13-0391 EA 48" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,609.60 2,830.97 5,095.75 2,123.23	857.91
33 14 13 13-0392 EA 48" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,900.78 2,853.47 5,136.24 2,140.10	901.66
33 14 13 13-0393 EA 48" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,293.22 2,881.77 5,187.18 2,161.33	973.86
33 14 13 13-0394 EA 48" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,962.63 2,935.19 5,283.33 2,201.39	1,063.10
33 14 13 13-0395 EA 48" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,773.56 3,095.81 5,572.47 2,321.86	1,198.17
33 14 13 13-0396 EA 48" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	40,143.85 3,825.30 6,885.54 2,868.98	1,247.95
33 14 13 13-0397 EA 48" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	51,596.45 4,966.20 8,939.16 3,724.65	1,276.75
33 14 13 13-0398 EA 48" x 48" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	54,952.21 5,284.46 9,512.02 3,963.34	1,390.97
33 14 13 13-0399 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)		
33 14 13 13-0400 EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	181.71 10.87 19.57 8.15	48.18
33 14 13 13-0401 EA 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	211.46 12.00 21.59 9.00	60.38



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0402	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	228.62 13.12 23.62 9.84	64.30
33 14 13 13-0403	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	289.80 17.99 32.39 13.49	72.45
33 14 13 13-0404	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	319.43 19.12 34.41 14.34	84.64
33 14 13 13-0405	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	349.91 23.43 42.17 17.57	76.31
33 14 13 13-0406	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	380.60 24.74 44.53 18.56	87.92
33 14 13 13-0407	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	416.70 27.18 48.92 20.38	95.65
33 14 13 13-0408	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	423.47 29.61 53.31 22.21	84.04
33 14 13 13-0409	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	471.04 32.61 58.70 24.46	95.65
33 14 13 13-0410	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	492.14 33.55 60.39 25.16	103.38
33 14 13 13-0411	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	539.08 37.11 66.80 27.83	110.86
33 14 13 13-0412	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	887.79 72.35 130.23 54.26	108.44
33 14 13 13-0413	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	862.03 68.60 123.48 51.45	116.19

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0414 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	772.14	123.65
For Cement Mortar Lining (CML), Add	58.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	811.97	131.39
For Cement Mortar Lining (CML), Add	61.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	110.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,042.52	126.44
For Cement Mortar Lining (CML), Add	85.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	153.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417 EA 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,022.40	134.19
For Cement Mortar Lining (CML), Add	81.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	147.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418 EA 16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,003.72	141.66
For Cement Mortar Lining (CML), Add	78.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	142.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419 EA 16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,088.55	149.40
For Cement Mortar Lining (CML), Add	86.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	155.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420 EA 16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,211.02	162.19
For Cement Mortar Lining (CML), Add	96.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	173.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421 EA 18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,300.70	164.48
For Cement Mortar Lining (CML), Add	105.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	189.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422 EA 18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,458.22	171.96
For Cement Mortar Lining (CML), Add	119.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	215.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423 EA 18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,406.21	179.69
For Cement Mortar Lining (CML), Add	113.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	204.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424 EA 18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,491.21	192.49
For Cement Mortar Lining (CML), Add	119.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	215.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425 EA 18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,570.98	210.50
For Cement Mortar Lining (CML), Add	125.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	225.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	93.90	
Note: ANSI/AWWA C151/A21.51		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0426	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,836.04	224.63
		For Cement Mortar Lining (CML), Add	149.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	269.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,761.15	232.09
		For Cement Mortar Lining (CML), Add	140.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	253.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	105.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,624.79	239.83
		For Cement Mortar Lining (CML), Add	126.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	227.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,634.82	252.63
		For Cement Mortar Lining (CML), Add	125.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	225.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	93.90	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,688.34	270.64
		For Cement Mortar Lining (CML), Add	127.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	230.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,024.77	300.93
		For Cement Mortar Lining (CML), Add	156.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	282.39	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,386.64	299.78
		For Cement Mortar Lining (CML), Add	193.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	347.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.93	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,454.77	312.58
		For Cement Mortar Lining (CML), Add	198.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	356.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	148.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,508.29	330.59
		For Cement Mortar Lining (CML), Add	200.74	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	361.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,466.09	360.88
		For Cement Mortar Lining (CML), Add	191.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	345.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	143.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,014.56	421.04
		For Cement Mortar Lining (CML), Add	237.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	427.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,923.24	373.20
		For Cement Mortar Lining (CML), Add	435.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	784.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	326.83	
		Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0438 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,141.58	403.49
For Cement Mortar Lining (CML), Add	453.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	815.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	339.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,981.55	463.63
For Cement Mortar Lining (CML), Add	427.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	770.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	320.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,868.08	523.59
For Cement Mortar Lining (CML), Add	407.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	733.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,382.48	496.99
For Cement Mortar Lining (CML), Add	662.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,193.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	497.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,106.95	556.94
For Cement Mortar Lining (CML), Add	526.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	947.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	394.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,632.58	599.55
For Cement Mortar Lining (CML), Add	572.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,030.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	429.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,595.99	425.21
For Cement Mortar Lining (CML), Add	895.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,611.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	671.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,559.42	455.50
For Cement Mortar Lining (CML), Add	886.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,596.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	665.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446 EA 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,620.56	515.64
For Cement Mortar Lining (CML), Add	883.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,591.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	662.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447 EA 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,736.66	575.60
For Cement Mortar Lining (CML), Add	986.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,775.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	739.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448 EA 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,855.66	618.19
For Cement Mortar Lining (CML), Add	791.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,425.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	593.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449 EA 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,269.83	651.56
For Cement Mortar Lining (CML), Add	828.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,490.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	621.20	
Note: ANSI/AWWA C151/A21.51		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0450	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,928.58 1,223.93 2,203.08 917.95	454.92
33 14 13 13-0451	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,535.89 1,180.07 2,124.13 885.05	485.21
33 14 13 13-0452	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,952.25 1,112.60 2,002.67 834.45	545.36
33 14 13 13-0453	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,326.12 1,140.90 2,053.62 855.67	605.30
33 14 13 13-0454	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,727.95 1,374.63 2,474.33 1,030.97	647.91
33 14 13 13-0455	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,902.30 1,187.01 2,136.61 890.26	681.27
33 14 13 13-0456	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,163.85 1,310.34 2,358.61 982.75	699.92
33 14 13 13-0457 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)				
33 14 13 13-0458	EA	3" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	202.87 4.87 8.77 3.65	101.73
33 14 13 13-0459	EA	4" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	231.47 5.06 9.11 3.80	119.37
33 14 13 13-0460	EA	6" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	316.05 9.00 16.19 6.75	149.21
33 14 13 13-0461	EA	8" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	408.32 15.00 26.99 11.25	170.55
33 14 13 13-0462	EA	10" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	579.93 18.93 34.08 14.20	257.81

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0463 EA 12" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	709.14 28.30 50.94 21.23	281.24
33 14 13 13-0464 EA 14" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	897.96 42.92 77.26 32.19	309.37
33 14 13 13-0465 EA 16" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,096.24 57.54 103.58 43.16	343.70
33 14 13 13-0466 EA 18" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,288.79 70.29 126.52 52.72	386.71
33 14 13 13-0467 EA 20" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,578.67 90.91 163.63 68.18	441.90
33 14 13 13-0468 EA 24" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,029.52 124.83 224.69 93.62	515.61
33 14 13 13-0469 EA 30" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,792.07 285.46 513.83 214.09	618.73
33 14 13 13-0470 EA 36" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,363.71 519.19 934.54 389.39	773.42
33 14 13 13-0471 EA 42" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,280.24 787.40 1,417.32 590.55	928.10
33 14 13 13-0472 EA 48" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,050.27 948.78 1,707.81 711.59	1,031.22
33 14 13 13-0473 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)		
33 14 13 13-0474 EA 3" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	210.37 5.62 10.12 4.22	101.73
33 14 13 13-0475 EA 4" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	242.71 6.19 11.13 4.64	119.37



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0476	EA	6" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	346.04 12.00 21.59 9.00	149.21
33 14 13 13-0477	EA	8" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	438.30 17.99 32.39 13.49	170.55
33 14 13 13-0478	EA	10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	701.76 31.11 56.01 23.34	257.81
33 14 13 13-0479	EA	12" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	742.88 31.68 57.02 23.76	281.24
33 14 13 13-0480	EA	14" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,113.51 64.48 116.06 48.36	309.37
33 14 13 13-0481	EA	16" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	603.29 8.25 14.84 6.19	343.70
33 14 13 13-0482	EA	18" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,609.30 102.34 184.21 76.75	386.71
33 14 13 13-0483	EA	20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,015.38 134.58 242.24 100.93	441.90
33 14 13 13-0484	EA	24" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,648.05 186.68 336.03 140.01	515.61
33 14 13 13-0485	EA	30" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,643.01 370.55 667.00 277.91	618.73
33 14 13 13-0486	EA	36" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,896.01 572.42 1,030.35 429.31	773.42
33 14 13 13-0487	EA	42" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,347.71 794.15 1,429.47 595.61	928.10

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0488 EA 48" Mechanical Joint Ductile Iron Plug.....	12,148.62	1,031.22
For Cement Mortar Lining (CML), Add	1,058.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,905.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	793.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0490 EA 3" Mechanical Joint Ductile Iron Long Sleeves	337.38	154.63
For Cement Mortar Lining (CML), Add	10.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491 EA 4" Mechanical Joint Ductile Iron Long Sleeves	393.12	179.05
For Cement Mortar Lining (CML), Add	12.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	21.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492 EA 6" Mechanical Joint Ductile Iron Long Sleeves	543.41	223.82
For Cement Mortar Lining (CML), Add	20.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	36.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493 EA 8" Mechanical Joint Ductile Iron Long Sleeves	723.05	255.75
For Cement Mortar Lining (CML), Add	33.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	60.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494 EA 10" Mechanical Joint Ductile Iron Long Sleeves	985.15	386.71
For Cement Mortar Lining (CML), Add	39.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495 EA 12" Mechanical Joint Ductile Iron Long Sleeves	1,178.99	421.86
For Cement Mortar Lining (CML), Add	53.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	97.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496 EA 14" Mechanical Joint Ductile Iron Long Sleeves	1,518.43	464.05
For Cement Mortar Lining (CML), Add	81.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	146.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497 EA 16" Mechanical Joint Ductile Iron Long Sleeves	1,813.97	515.61
For Cement Mortar Lining (CML), Add	103.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	185.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498 EA 18" Mechanical Joint Ductile Iron Long Sleeves	2,200.28	580.07
For Cement Mortar Lining (CML), Add	132.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	237.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499 EA 20" Mechanical Joint Ductile Iron Long Sleeves	2,599.49	662.91
For Cement Mortar Lining (CML), Add	159.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	287.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	119.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0500 EA 24" Mechanical Joint Ductile Iron Long Sleeves	3,272.95	773.42
For Cement Mortar Lining (CML), Add	210.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	378.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	157.58	
Note: ANSI/AWWA C151/A21.51		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0501 EA 30" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,807.12 440.09 792.16 330.07	928.10
33 14 13 13-0502 EA 36" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,937.39 617.96 1,112.33 463.47	1,160.12
33 14 13 13-0503 EA 42" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,272.33 826.58 1,487.84 619.93	1,324.31
33 14 13 13-0504 EA 48" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,955.09 1,161.14 2,090.05 870.86	1,546.83
33 14 13 13-0505 Mechanical Joint Ductile Iron Gland Packs (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0506 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0505) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0507 EA 3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	37.49	
33 14 13 13-0508 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	34.14	
33 14 13 13-0509 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	41.25	
33 14 13 13-0510 EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.36	
33 14 13 13-0511 EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	66.85	
33 14 13 13-0512 EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	71.12	
33 14 13 13-0513 EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	116.64	
33 14 13 13-0514 EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	123.75	
33 14 13 13-0515 EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	165.00	
33 14 13 13-0516 EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	213.36	
33 14 13 13-0517 EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	297.28	
33 14 13 13-0518 EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	709.78	
33 14 13 13-0519 EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,530.50	
33 14 13 13-0520 EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,234.59	
33 14 13 13-0521 EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	2,742.39	
33 14 13 13-0522 EA 54" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish bolts with nut.	3,684.02	
33 14 13 13-0523 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts (33 14 13 13-0505) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0524 EA 3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	63.73	
33 14 13 13-0525 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	48.36	
33 14 13 13-0526 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	61.16	
33 14 13 13-0527 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	66.85	
33 14 13 13-0528 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	92.46	
33 14 13 13-0529 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	96.72	
33 14 13 13-0530 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	146.51	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0531 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	160.73	
33 14 13 13-0532 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	213.36	
33 14 13 13-0533 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	275.95	
33 14 13 13-0534 EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	385.47	
33 14 13 13-0535 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0505) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0536 EA 3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	41.24	
33 14 13 13-0537 EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	36.98	
33 14 13 13-0538 EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	44.09	
33 14 13 13-0539 EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	52.63	
33 14 13 13-0540 EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	72.54	
33 14 13 13-0541 EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	76.81	
33 14 13 13-0542 EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	126.59	
33 14 13 13-0543 EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	133.71	
33 14 13 13-0544 EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	180.64	
33 14 13 13-0545 EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	231.85	
33 14 13 13-0546 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	324.31	
33 14 13 13-0547 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	776.63	
33 14 13 13-0548 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,721.10	
33 14 13 13-0549 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,492.04	
33 14 13 13-0550 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,066.69	
33 14 13 13-0551 EA 54" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish bolts with nut.	3,763.67	
33 14 13 13-0552 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)		
33 14 13 13-0553 EA 3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	356.12 12.18	154.63
For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4	21.93	
For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9.14	
33 14 13 13-0554 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	402.49 13.12	179.05
For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4	23.62	
For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9.84	
33 14 13 13-0555 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	520.92 18.18	223.82
For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4	32.73	
For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13.64	
33 14 13 13-0556 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	663.07 27.55	255.75
For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4	49.59	
For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20.66	
33 14 13 13-0557 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	1,065.75 47.98	386.71
For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4	86.37	
For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35.99	



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 14 13 13-0558	EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,253.97 61.48 110.66 46.11		421.86
33 14 13 13-0559	EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,679.62 97.65 175.77 73.24		464.05
33 14 13 13-0560	EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,896.44 111.52 200.74 83.64		515.61
33 14 13 13-0561	EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,584.51 170.56 307.01 127.92		580.07
33 14 13 13-0562	EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,036.20 203.18 365.72 152.38		662.91
33 14 13 13-0563	EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,674.06 250.22 450.40 187.67		773.42
33 14 13 13-0564	EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,011.42 460.52 828.94 345.39		928.10
33 14 13 13-0565	EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,357.24 659.95 1,187.91 494.96		1,160.12
33 14 13 13-0566	EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,209.91 920.10 1,656.19 690.08		1,325.82
33 14 13 13-0567	EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,867.00 1,152.33 2,074.20 864.25		1,546.83
33 14 13 13-0568	Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.			
33 14 13 13-0569	EA 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	213.91		77.57
33 14 13 13-0570	EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	243.90		91.86
33 14 13 13-0571	EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	302.57		113.70
33 14 13 13-0572	EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	377.86		132.68
33 14 13 13-0573	EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	545.71		193.36
33 14 13 13-0574	EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	673.63		221.01
33 14 13 13-0575	EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	785.37		237.89
33 14 13 13-0576	EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	969.57		257.81
33 14 13 13-0577	EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,245.16		309.37
33 14 13 13-0578	EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,470.73		343.58

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0579 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,912.36	396.44
33 14 13 13-0580 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	3,726.97	475.42
33 14 13 13-0581 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	4,602.02	594.95
33 14 13 13-0582 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	6,801.25	686.47
33 14 13 13-0583 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	8,709.57	882.87
33 14 13 13-0584 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) (33 14 13 13-0002)		
33 14 13 13-0585 EA 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,637.95	63.48
33 14 13 13-0586 EA 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,828.55	79.35
33 14 13 13-0587 EA 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	7,006.49	117.27
33 14 13 13-0588 EA 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	9,522.75	139.10
33 14 13 13-0589 EA 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	12,004.94	154.33
33 14 13 13-0590 EA 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	16,013.48	181.05
33 14 13 13-0591 EA 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	19,727.84	203.02
33 14 13 13-0592 EA 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	23,339.47	232.02
33 14 13 13-0593 EA 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	26,309.46	324.84
33 14 13 13-0594 EA 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	35,396.28	406.05
33 14 13 13-0595 EA 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	49,046.94	541.39
33 14 13 13-0596 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) (33 14 13 13-0002)		
Note: Includes machined bolts and gasket.		
33 14 13 13-0597 EA 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	212.35	77.57
33 14 13 13-0598 EA 4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	272.76	91.86
33 14 13 13-0599 EA 6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	352.62	113.70
33 14 13 13-0600 EA 8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	402.39	132.68
33 14 13 13-0601 EA 10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	707.40	203.47
33 14 13 13-0602 EA 12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	800.54	232.57
33 14 13 13-0603 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) (33 14 13 13-0002)		
Note: Includes nuts, bolts and gasket.		
33 14 13 13-0604 EA 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....	310.39	77.57
33 14 13 13-0605 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	386.19	91.86
33 14 13 13-0606 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	535.00	113.70
33 14 13 13-0607 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	774.28	132.68
33 14 13 13-0608 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	1,121.46	203.47
33 14 13 13-0609 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....	1,394.84	232.57
33 14 13 13-0610 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....	2,151.78	250.32
33 14 13 13-0611 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....	3,017.54	271.29
33 14 13 13-0612 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....	3,412.60	325.55
33 14 13 13-0613 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....	3,769.62	361.55
33 14 13 13-0614 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....	4,560.83	417.17
33 14 13 13-0615 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....	5,868.64	500.28
33 14 13 13-0616 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....	8,768.46	626.06
33 14 13 13-0617 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....	22,893.44	722.37
33 14 13 13-0618 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800).....	29,323.13	929.04
33 14 13 13-0619 Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint (33 14 13 13-0002)		
Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.		
33 14 13 13-0620 EA 4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	1,258.17	119.37
33 14 13 13-0621 EA 6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	1,997.83	149.21
33 14 13 13-0622 EA 8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	2,648.20	170.55
33 14 13 13-0623 EA 10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	3,659.76	257.81
33 14 13 13-0624 EA 12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	4,783.66	281.24
33 14 13 13-0625 EA 14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	5,539.81	309.37
33 14 13 13-0626 EA 16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	6,157.70	343.70
33 14 13 13-0627 EA 18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	8,805.56	386.71
33 14 13 13-0628 EA 20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	8,998.79	441.90
33 14 13 13-0629 EA 24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	15,714.04	515.61
33 14 13 13-0630 EA 30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	54,962.62	618.73
33 14 13 13-0631 EA 36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint.....	78,032.60	773.42
33 14 13 13-0632 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)		
See CSI section 33 14 13 13-0505 for bolts and gaskets.		
33 14 13 13-0633 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0632)		
33 14 13 13-0634 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	466.31	44.27



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0635	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	558.11	53.02
33 14 13 13-0636	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	866.23	77.68
33 14 13 13-0637	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,184.56	92.48
33 14 13 13-0638	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,625.33	103.13
33 14 13 13-0639	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,060.87	120.70
33 14 13 13-0640	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,930.33	135.94
33 14 13 13-0641	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,555.66	154.68
33 14 13 13-0642	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,296.01	216.79
33 14 13 13-0643	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,354.58	270.70
33 14 13 13-0644	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,571.18	360.92
33 14 13 13-0645	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,126.11	386.71
33 14 13 13-0646	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,863.21	401.94
33 14 13 13-0647	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	29,434.55	464.05
33 14 13 13-0648	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	38,506.16	493.35
33 14 13 13-0649 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0632)				
33 14 13 13-0650	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	445.69	44.27
33 14 13 13-0651	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	522.50	53.02
33 14 13 13-0652	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	804.38	77.68
33 14 13 13-0653	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,088.97	92.48
33 14 13 13-0654	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,422.90	103.13
33 14 13 13-0655	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,879.06	120.70
33 14 13 13-0656	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,540.47	135.94
33 14 13 13-0657	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,042.09	154.68
33 14 13 13-0658	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,596.88	216.79
33 14 13 13-0659	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,366.81	270.70
33 14 13 13-0660	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,754.97	360.92
33 14 13 13-0661	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,594.79	386.71
33 14 13 13-0662	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	14,652.50	401.94
33 14 13 13-0663	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	21,776.08	464.05
33 14 13 13-0664	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	27,878.76	493.35
33 14 13 13-0665 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0632)				
33 14 13 13-0666	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	346.35	44.27
33 14 13 13-0667	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	516.88	53.02
33 14 13 13-0668	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	781.89	77.68
33 14 13 13-0669	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,081.47	92.48
33 14 13 13-0670	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,421.03	103.13
33 14 13 13-0671	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,770.35	120.70
33 14 13 13-0672	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,555.47	135.94
33 14 13 13-0673	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,974.62	154.68
33 14 13 13-0674	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,580.02	216.79
33 14 13 13-0675	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,522.38	270.70
33 14 13 13-0676	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,631.26	360.92
33 14 13 13-0677	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,427.09	386.71
33 14 13 13-0678	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	12,871.90	401.94
33 14 13 13-0679	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	18,422.92	464.05
33 14 13 13-0680	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	23,592.19	493.35
33 14 13 13-0681 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0632)				
33 14 13 13-0682	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	346.35	44.27
33 14 13 13-0683	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	619.96	53.02
33 14 13 13-0684	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	789.39	77.68
33 14 13 13-0685	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,047.73	92.48
33 14 13 13-0686	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,417.28	103.13
33 14 13 13-0687	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,719.74	120.70
33 14 13 13-0688	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,752.27	135.94
33 14 13 13-0689	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,066.46	154.68
33 14 13 13-0690	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,112.32	216.79
33 14 13 13-0691	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,361.19	270.70
33 14 13 13-0692	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,633.13	360.92
33 14 13 13-0693	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,550.79	386.71
33 14 13 13-0694	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	12,517.65	401.94
33 14 13 13-0695	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	17,916.85	464.05
33 14 13 13-0696	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	23,457.24	493.35
33 14 13 13-0697 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0632)				
33 14 13 13-0698	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	408.21	44.27
33 14 13 13-0699	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	601.22	53.02

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0700 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	937.46	77.68
33 14 13 13-0701 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,274.52	92.48
33 14 13 13-0702 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,756.53	103.13
33 14 13 13-0703 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,205.19	120.70
33 14 13 13-0704 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	3,966.83	135.94
33 14 13 13-0705 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	6,192.82	154.68
33 14 13 13-0706 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	7,075.62	216.79
33 14 13 13-0707 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	8,154.81	270.70
33 14 13 13-0708 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	8,815.73	360.92
33 14 13 13-0709 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13-0632)		
33 14 13 13-0710 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	408.21	44.27
33 14 13 13-0711 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	529.99	53.02
33 14 13 13-0712 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	834.37	77.68
33 14 13 13-0713 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,180.81	92.48
33 14 13 13-0714 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,567.22	103.13
33 14 13 13-0715 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,040.25	120.70
33 14 13 13-0716 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,720.39	135.94
33 14 13 13-0717 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	3,268.88	154.68
33 14 13 13-0718 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	6,119.72	216.79
33 14 13 13-0719 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	6,419.19	270.70
33 14 13 13-0720 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	6,682.75	360.92
33 14 13 13-0721 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee (33 14 13 13-0632)		
33 14 13 13-0722 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	574.82	66.42
33 14 13 13-0723 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	627.01	74.88
33 14 13 13-0724 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	661.93	77.68
33 14 13 13-0725 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	943.92	98.48
33 14 13 13-0726 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,023.17	102.35
33 14 13 13-0727 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,079.16	114.68
33 14 13 13-0728 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,255.91	118.38
33 14 13 13-0729 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,358.75	130.71
33 14 13 13-0730 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,494.81	139.35
33 14 13 13-0731 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,687.57	127.73
33 14 13 13-0732 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,684.53	139.45
33 14 13 13-0733 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,825.59	147.65
33 14 13 13-0734 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,969.98	154.68
33 14 13 13-0735 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,031.52	142.97
33 14 13 13-0736 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,049.09	154.68
33 14 13 13-0737 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,216.39	162.89
33 14 13 13-0738 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,555.72	169.91
33 14 13 13-0739 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,561.80	178.12
33 14 13 13-0740 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,903.20	180.47
33 14 13 13-0741 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,141.72	188.67
33 14 13 13-0742 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,814.68	195.70
33 14 13 13-0743 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,026.95	203.90
33 14 13 13-0744 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,729.58	216.79
33 14 13 13-0745 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,473.11	216.79
33 14 13 13-0746 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,661.14	223.82
33 14 13 13-0747 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,394.06	232.02
33 14 13 13-0748 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,120.89	239.05
33 14 13 13-0749 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,379.21	251.95
33 14 13 13-0750 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,864.81	270.70
33 14 13 13-0751 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,560.27	277.73
33 14 13 13-0752 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,810.04	284.76
33 14 13 13-0753 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,126.88	291.79
33 14 13 13-0754 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,419.74	299.99
33 14 13 13-0755 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,568.46	312.88



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0756 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,950.00	330.46
33 14 13 13-0757 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,642.54	360.92
33 14 13 13-0758 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,239.22	397.25
33 14 13 13-0759 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,327.79	405.45
33 14 13 13-0760 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,856.43	412.49
33 14 13 13-0761 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,145.55	420.69
33 14 13 13-0762 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,206.17	433.59
33 14 13 13-0763 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,126.63	451.16
33 14 13 13-0764 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,836.91	481.63
33 14 13 13-0765 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,675.99	541.39
33 14 13 13-0766 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,358.07	516.78
33 14 13 13-0767 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,418.53	526.16
33 14 13 13-0768 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,534.81	532.01
33 14 13 13-0769 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,707.70	540.22
33 14 13 13-0770 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,632.40	553.11
33 14 13 13-0771 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,961.45	570.69
33 14 13 13-0772 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,802.95	601.15
33 14 13 13-0773 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,118.99	662.09
33 14 13 13-0774 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,488.22	721.86
33 14 13 13-0775 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,142.97	602.33
33 14 13 13-0776 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,607.40	610.53
33 14 13 13-0777 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,212.88	617.56
33 14 13 13-0778 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,820.63	625.76
33 14 13 13-0779 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,683.46	638.65
33 14 13 13-0780 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,614.18	849.58
33 14 13 13-0781 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,551.37	886.70
33 14 13 13-0782 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,531.91	746.47
33 14 13 13-0783 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,096.95	806.23
33 14 13 13-0784 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,834.28	849.58
33 14 13 13-0785 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,497.59	677.33
33 14 13 13-0786 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,869.66	684.36
33 14 13 13-0787 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,610.49	692.56
33 14 13 13-0788 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,134.08	705.45
33 14 13 13-0789 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,659.93	723.02
33 14 13 13-0790 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,672.98	753.50
33 14 13 13-0791 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,733.13	813.26
33 14 13 13-0792 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,542.72	873.03
33 14 13 13-0793 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,946.43	949.19
33 14 13 13-0794 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	24,142.08	949.19
33 14 13 13-0795 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,514.48	730.06
33 14 13 13-0796 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,068.05	741.78
33 14 13 13-0797 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,873.07	760.52
33 14 13 13-0798 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,196.17	791.00
33 14 13 13-0799 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,287.29	850.76
33 14 13 13-0800 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,174.14	910.52
33 14 13 13-0801 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,694.15	953.88
33 14 13 13-0802 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,803.38	986.70
33 14 13 13-0803 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,795.93	1,005.44
33 14 13 13-0804 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,091.64	788.65
33 14 13 13-0805 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,667.70	801.54
33 14 13 13-0806 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,485.95	820.29
33 14 13 13-0807 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	34,317.19	849.58
33 14 13 13-0808 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,199.28	910.52
33 14 13 13-0809 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,395.08	970.29
33 14 13 13-0810 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,006.83	1,012.47
33 14 13 13-0811 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,546.98	1,046.46
33 14 13 13-0812 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,327.43	1,065.20
33 14 13 13-0813 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	51,089.70	1,094.50

33 14 13 13-0814

Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0632)

33 14 13 13-0815 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	644.77	74.23
33 14 13 13-0816 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	710.37	74.23
33 14 13 13-0817 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	834.37	77.68
33 14 13 13-0818 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	919.56	98.48
33 14 13 13-0819 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,026.92	102.35
33 14 13 13-0820 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,257.22	114.68
33 14 13 13-0821 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,655.14	118.38
33 14 13 13-0822 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,523.69	130.71
33 14 13 13-0823 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,714.10	139.35
33 14 13 13-0824 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,435.43	127.73
33 14 13 13-0825 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,535.47	139.45
33 14 13 13-0826 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,837.73	147.65
33 14 13 13-0827 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,098.32	154.68
33 14 13 13-0828 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,974.30	142.97
33 14 13 13-0829 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,374.24	154.68
33 14 13 13-0830 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,996.99	162.89
33 14 13 13-0831 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,998.94	169.91
33 14 13 13-0832 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,686.40	178.12
33 14 13 13-0833 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,387.66	180.47

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0834 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,047.91	188.67
33 14 13 13-0835 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,661.77	195.70
33 14 13 13-0836 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,145.82	203.90
33 14 13 13-0837 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,959.03	216.79
33 14 13 13-0838 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,562.19	216.79
33 14 13 13-0839 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,042.51	223.82
33 14 13 13-0840 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,992.85	232.02
33 14 13 13-0841 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,182.64	239.05
33 14 13 13-0842 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,667.75	251.95
33 14 13 13-0843 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,245.19	270.70
33 14 13 13-0844 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,472.08	277.73
33 14 13 13-0845 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,984.25	284.76
33 14 13 13-0846 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,479.15	291.79
33 14 13 13-0847 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,015.68	299.99
33 14 13 13-0848 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,095.05	312.88
33 14 13 13-0849 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,184.19	330.46
33 14 13 13-0850 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,403.51	360.92
33 14 13 13-0851 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,604.61	397.25
33 14 13 13-0852 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,771.91	405.45
33 14 13 13-0853 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,570.44	412.49
33 14 13 13-0854 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,361.88	420.69
33 14 13 13-0855 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,446.87	433.59
33 14 13 13-0856 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,545.38	451.16
33 14 13 13-0857 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,101.98	481.63
33 14 13 13-0858 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,428.37	541.39
33 14 13 13-0859 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,208.91	516.78
33 14 13 13-0860 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,327.47	524.99
33 14 13 13-0861 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,440.89	532.01
33 14 13 13-0862 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,945.54	540.22
33 14 13 13-0863 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,709.93	553.11
33 14 13 13-0864 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,167.32	570.69
33 14 13 13-0865 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,890.75	601.15
33 14 13 13-0866 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,458.83	662.09
33 14 13 13-0867 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,351.09	721.86
33 14 13 13-0868 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,498.69	602.33
33 14 13 13-0869 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,928.29	610.53
33 14 13 13-0870 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,231.02	617.56
33 14 13 13-0871 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,536.02	625.76
33 14 13 13-0872 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,384.74	638.65
33 14 13 13-0873 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,370.70	656.23
33 14 13 13-0874 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,072.61	686.70
33 14 13 13-0875 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,080.28	746.47
33 14 13 13-0876 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,492.52	806.23
33 14 13 13-0877 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,158.62	849.58
33 14 13 13-0878 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,729.24	692.56
33 14 13 13-0879 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,223.73	705.45
33 14 13 13-0880 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	40,707.36	723.02
33 14 13 13-0881 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	43,574.11	753.50
33 14 13 13-0882 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	46,497.33	813.26
33 14 13 13-0883 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	51,607.60	873.03
33 14 13 13-0884 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	57,878.03	916.38
33 14 13 13-0885 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,225.10	949.19
33 14 13 13-0886 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,898.00	850.76
33 14 13 13-0887 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,377.72	910.52
33 14 13 13-0888 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	66,651.99	953.88
33 14 13 13-0889 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	76,330.91	986.70
33 14 13 13-0890 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	90,197.28	1,005.44
33 14 13 13-0891 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,002.16	910.52
33 14 13 13-0892 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	68,021.37	970.29
33 14 13 13-0893 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,518.69	1,012.47
33 14 13 13-0894 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	82,780.53	1,046.46
33 14 13 13-0895 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	108,558.20	1,065.20
33 14 13 13-0896 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	119,262.47	1,094.50

33 14 13 13-0897 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee

(33 14 13 13-0832)

33 14 13 13-0898 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,148.51	114.68
33 14 13 13-0899 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,429.98	130.71
33 14 13 13-0900 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,059.39	139.45
33 14 13 13-0901 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,371.47	154.68
33 14 13 13-0902 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,141.24	180.47
33 14 13 13-0903 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,827.46	216.79
33 14 13 13-0904 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,513.41	277.73



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0905	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....		6,062.04	397.25
33 14 13 13-0906	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....		7,068.42	516.78
33 14 13 13-0907	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....		12,902.95	602.33
33 14 13 13-0908 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross (33 14 13 13-0632)					
33 14 13 13-0909	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	638.36	88.55	
33 14 13 13-0910	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	800.14	96.35	
33 14 13 13-0911	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,004.55	97.42	
33 14 13 13-0912	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,062.05	120.78	
33 14 13 13-0913	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,245.04	130.71	
33 14 13 13-0914	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,371.22	162.77	
33 14 13 13-0915	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,321.67	143.04	
33 14 13 13-0916	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,556.54	175.10	
33 14 13 13-0917	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,537.58	187.44	
33 14 13 13-0918	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,557.36	149.99	
33 14 13 13-0919	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,742.93	180.47	
33 14 13 13-0920	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,075.40	192.18	
33 14 13 13-0921	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,248.72	206.24	
33 14 13 13-0922	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,007.95	162.89	
33 14 13 13-0923	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,322.85	193.36	
33 14 13 13-0924	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,522.25	205.08	
33 14 13 13-0925	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,946.73	219.13	
33 14 13 13-0926	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,369.22	232.02	
33 14 13 13-0927	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,489.85	212.10	
33 14 13 13-0928	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,144.71	223.82	
33 14 13 13-0929	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,243.06	239.05	
33 14 13 13-0930	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,478.09	250.77	
33 14 13 13-0931	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,964.72	270.70	
33 14 13 13-0932	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,905.70	240.23	
33 14 13 13-0933	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,474.33	250.77	
33 14 13 13-0934	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,404.87	266.01	
33 14 13 13-0935	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,048.54	278.90	
33 14 13 13-0936	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,357.98	297.65	
33 14 13 13-0937	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,676.37	324.60	
33 14 13 13-0938	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,775.95	283.58	
33 14 13 13-0939	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,170.30	295.30	
33 14 13 13-0940	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,506.67	309.37	
33 14 13 13-0941	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,157.82	322.26	
33 14 13 13-0942	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,566.61	341.00	
33 14 13 13-0943	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,175.51	367.96	
33 14 13 13-0944	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,618.52	412.49	
33 14 13 13-0945	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,519.77	356.25	
33 14 13 13-0946	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,917.85	366.79	
33 14 13 13-0947	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,188.63	382.02	
33 14 13 13-0948	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,834.17	394.91	
33 14 13 13-0949	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,990.88	413.66	
33 14 13 13-0950	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,168.61	440.62	
33 14 13 13-0951	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,611.63	483.97	
33 14 13 13-0952	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,601.96	556.62	
33 14 13 13-0953	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,672.65	445.30	
33 14 13 13-0954	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,943.63	457.02	
33 14 13 13-0955	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,403.36	471.08	
33 14 13 13-0956	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,799.61	483.97	
33 14 13 13-0957	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,016.32	502.73	
33 14 13 13-0958	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,499.65	529.67	
33 14 13 13-0959	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,028.68	574.20	
33 14 13 13-0960	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,953.42	645.68	
33 14 13 13-0961	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,850.50	734.75	
33 14 13 13-0962	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,136.37	591.78	
33 14 13 13-0963	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,495.23	605.84	
33 14 13 13-0964	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,848.38	618.73	
33 14 13 13-0965	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,263.76	637.48	
33 14 13 13-0966	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,737.73	665.61	
33 14 13 13-0967	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,283.83	708.97	
33 14 13 13-0968	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,966.78	780.44	
33 14 13 13-0969	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,064.22	870.68	
33 14 13 13-0970	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	31,116.84	1,005.44	
33 14 13 13-0971	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,465.42	641.00	
33 14 13 13-0972	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,820.55	655.06	
33 14 13 13-0973	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,126.82	667.95	
33 14 13 13-0974	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,489.73	687.87	
33 14 13 13-0975	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,913.08	714.82	
33 14 13 13-0976	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,408.57	758.18	
33 14 13 13-0977	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,044.67	830.84	
33 14 13 13-0978	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,182.66	919.90	
33 14 13 13-0979	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,461.77	1,054.66	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0980 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	43,403.92	1,105.05
33 14 13 13-0981 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,316.24	697.25
33 14 13 13-0982 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,029.64	715.99
33 14 13 13-0983 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,439.88	744.12
33 14 13 13-0984 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,006.59	787.48
33 14 13 13-0985 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,030.67	860.14
33 14 13 13-0986 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,214.53	949.19
33 14 13 13-0987 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,694.29	1,083.96
33 14 13 13-0988 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	62,529.99	1,133.18
33 14 13 13-0989 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	67,047.61	1,162.47
33 14 13 13-0990 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,507.54	812.09
33 14 13 13-0991 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,810.48	830.84
33 14 13 13-0992 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,215.09	857.79
33 14 13 13-0993 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,646.84	901.15
33 14 13 13-0994 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,215.47	973.80
33 14 13 13-0995 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,216.63	1,062.86
33 14 13 13-0996 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	52,026.58	1,197.62
33 14 13 13-0997 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	63,934.59	1,248.02
33 14 13 13-0998 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	82,481.50	1,277.31
33 14 13 13-0999 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	87,816.53	1,390.97

33 14 13 13-1000 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers

(33 14 13 13-0632)

33 14 13 13-1001 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	457.24	48.18
33 14 13 13-1002 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	640.68	60.38
33 14 13 13-1003 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	704.70	64.12
33 14 13 13-1004 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	927.07	72.75
33 14 13 13-1005 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	962.32	85.09
33 14 13 13-1006 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,137.12	76.17
33 14 13 13-1007 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,188.43	87.88
33 14 13 13-1008 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,235.77	96.09
33 14 13 13-1009 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,315.65	84.37
33 14 13 13-1010 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,455.06	96.09
33 14 13 13-1011 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,478.04	103.13
33 14 13 13-1012 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,543.71	111.33
33 14 13 13-1013 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,284.16	108.98
33 14 13 13-1014 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,295.89	116.02
33 14 13 13-1015 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,994.19	124.22
33 14 13 13-1016 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,034.03	131.25
33 14 13 13-1017 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,738.78	126.56
33 14 13 13-1018 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,654.93	134.76
33 14 13 13-1019 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,490.05	141.79
33 14 13 13-1020 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,458.68	148.82
33 14 13 13-1021 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,781.71	161.71
33 14 13 13-1022 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,972.60	164.06
33 14 13 13-1023 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,355.03	172.26
33 14 13 13-1024 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,201.81	179.29
33 14 13 13-1025 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,832.24	192.18
33 14 13 13-1026 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,347.83	210.93
33 14 13 13-1027 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,957.77	225.00
33 14 13 13-1028 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,987.84	232.02
33 14 13 13-1029 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,617.19	240.23



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 14 13 13-1030	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,612.22		253.12
33 14 13 13-1031	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,519.55		270.70
33 14 13 13-1032	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,167.11		301.16
33 14 13 13-1033	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,982.58		299.99
33 14 13 13-1034	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,054.45		312.88
33 14 13 13-1035	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,141.71		330.46
33 14 13 13-1036	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,056.40		360.92
33 14 13 13-1037	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,831.66		420.69
33 14 13 13-1038	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,123.60		372.64
33 14 13 13-1039	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,508.75		403.11
33 14 13 13-1040	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,146.29		464.05
33 14 13 13-1041	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,726.42		523.81
33 14 13 13-1042	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,032.67		496.86
33 14 13 13-1043	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,165.74		556.62
33 14 13 13-1044	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,920.04		599.99
33 14 13 13-1045	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,863.62		425.38
33 14 13 13-1046	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,752.08		455.85
33 14 13 13-1047	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,785.10		515.61
33 14 13 13-1048	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	18,473.85		575.38
33 14 13 13-1049	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,067.16		618.73
33 14 13 13-1050	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,766.22		651.54
33 14 13 13-1051	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	22,528.85		454.67
33 14 13 13-1052	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,791.28		485.14
33 14 13 13-1053	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,679.09		544.91
33 14 13 13-1054	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,274.12		605.84
33 14 13 13-1055	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	25,509.04		648.03
33 14 13 13-1056	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	22,035.86		680.84
33 14 13 13-1057	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	24,245.82		699.59
33 14 13 13-1058 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps (33 14 13 13-0632)					
33 14 13 13-1059	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	410.92		101.73
33 14 13 13-1060	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	495.75		119.62
33 14 13 13-1061	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	728.40		149.21
33 14 13 13-1062	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	979.98		170.17
33 14 13 13-1063	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,299.67		257.81
33 14 13 13-1064	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,644.43		281.24
33 14 13 13-1065	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,870.73		309.37
33 14 13 13-1066	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,280.81		343.35
33 14 13 13-1067	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,673.91		386.71
33 14 13 13-1068	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	3,228.07		441.79
33 14 13 13-1069	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	4,145.63		515.61
33 14 13 13-1070	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	7,563.20		618.73
33 14 13 13-1071	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	12,429.01		773.42
33 14 13 13-1072	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	17,937.72		928.10
33 14 13 13-1073	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	21,368.40		1,031.22
33 14 13 13-1074 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug (33 14 13 13-0632)					
33 14 13 13-1075	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	412.80		101.73
33 14 13 13-1076	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	514.49		119.62
33 14 13 13-1077	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	777.13		149.21

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1078 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,028.72	170.17
33 14 13 13-1079 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,578.94	257.81
33 14 13 13-1080 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,708.15	281.24
33 14 13 13-1081 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,277.46	309.37
33 14 13 13-1082 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,751.26	343.35
33 14 13 13-1083 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,275.57	386.71
33 14 13 13-1084 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,041.52	441.79
33 14 13 13-1085 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	5,303.96	515.61
33 14 13 13-1086 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	9,163.87	618.73
33 14 13 13-1087 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	13,424.27	773.42
33 14 13 13-1088 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	18,063.30	928.10
33 14 13 13-1089 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	24,031.81	1,031.22
33 14 13 13-1090 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0632)		
33 14 13 13-1091 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	558.55	154.63
33 14 13 13-1092 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	741.74	178.81
33 14 13 13-1093 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,023.24	224.43
33 14 13 13-1094 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,349.08	255.26
33 14 13 13-1095 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,987.91	386.71
33 14 13 13-1096 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,378.56	421.86
33 14 13 13-1097 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,120.97	464.05
33 14 13 13-1098 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,543.98	515.61
33 14 13 13-1099 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,661.26	580.07
33 14 13 13-1100 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,407.22	663.26
33 14 13 13-1101 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	6,549.26	773.42
33 14 13 13-1102 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	10,337.35	928.10
33 14 13 13-1103 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	14,073.92	1,160.12
33 14 13 13-1104 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	19,179.53	1,325.36
33 14 13 13-1105 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	23,849.63	1,546.83
33 14 13 13-1106 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0632)		
33 14 13 13-1107 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	581.04	154.63
33 14 13 13-1108 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	713.63	178.81
33 14 13 13-1109 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,055.10	224.43
33 14 13 13-1110 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,435.29	255.26
33 14 13 13-1111 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,867.95	386.71
33 14 13 13-1112 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,266.10	421.86
33 14 13 13-1113 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,881.06	464.05
33 14 13 13-1114 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,416.52	515.61
33 14 13 13-1115 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	4,083.97	580.07
33 14 13 13-1116 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	4,756.83	663.26
33 14 13 13-1117 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	5,953.23	773.42
33 14 13 13-1118 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	10,028.09	928.10
33 14 13 13-1119 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	13,041.17	1,160.12
33 14 13 13-1120 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	16,999.28	1,324.18
33 14 13 13-1121 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	25,302.23	1,546.83
33 14 13 13-1122 Push-On Joint Ductile Iron Piping And Gaskets (33 14 13 13-0001)		
33 14 13 13-1123 Push-On Joint Ductile Iron Pipe (33 14 13 13-1122)		
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1124	LF	4", Class 50, Push-On Joint Ductile Iron Pipe.....	37.60	10.17
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.53	
		For Cement Mortar Lining (CML), Add	2.22	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	11.98	
		For Fusion Bonded Epoxy Lining (206N), Add	3.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.66	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	10.54	
		For >1,000, Deduct	-1.88	
		For Class 51, Add	3.22	
		For Class 52, Add	6.93	
		For Class 53, Add	12.46	
		For Class 54, Add	17.77	
		For Class 55, Add	20.45	
		For Class 56, Add	23.08	
33 14 13 13-1125	LF	6", Class 50, Push-On Joint Ductile Iron Pipe.....	41.23	11.22
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.04	
		For Cement Mortar Lining (CML), Add	2.43	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	13.14	
		For Fusion Bonded Epoxy Lining (206N), Add	4.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.83	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	11.56	
		For >1,000, Deduct	-2.06	
		For Class 51, Add	3.53	
		For Class 52, Add	7.60	
		For Class 53, Add	13.68	
		For Class 54, Add	19.50	
		For Class 55, Add	22.44	
		For Class 56, Add	25.33	
33 14 13 13-1126	LF	8", Class 50, Push-On Joint Ductile Iron Pipe.....	51.76	12.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.29	
		For Cement Mortar Lining (CML), Add	3.33	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	17.97	
		For Fusion Bonded Epoxy Lining (206N), Add	5.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.50	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	15.80	
		For >1,000, Deduct	-2.59	
		For Class 51, Add	4.77	
		For Class 52, Add	10.28	
		For Class 53, Add	18.52	
		For Class 54, Add	26.42	
		For Class 55, Add	30.38	
		For Class 56, Add	34.27	
33 14 13 13-1127	LF	10", Class 50, Push-On Joint Ductile Iron Pipe.....	73.31	17.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.16	
		For Cement Mortar Lining (CML), Add	4.69	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	23.47	
		For Fusion Bonded Epoxy Lining (206N), Add	8.45	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.52	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	22.30	
		For >1,000, Deduct	-3.67	
		For Class 51, Add	6.73	
		For Class 52, Add	14.51	
		For Class 53, Add	26.14	
		For Class 54, Add	37.29	
		For Class 55, Add	42.88	
		For Class 56, Add	48.38	
33 14 13 13-1128	LF	12", Class 50, Push-On Joint Ductile Iron Pipe.....	85.26	19.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.98	
		For Cement Mortar Lining (CML), Add	5.60	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	22.38	
		For Fusion Bonded Epoxy Lining (206N), Add	10.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.20	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	26.58	
		For >1,000, Deduct	-4.26	
		For Class 51, Add	7.99	
		For Class 52, Add	17.25	
		For Class 53, Add	31.09	
		For Class 54, Add	44.35	
		For Class 55, Add	50.99	
		For Class 56, Add	57.51	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1129 LF 14", Class 50, Push-On Joint Ductile Iron Pipe.....	104.26	21.80
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.39	
For Cement Mortar Lining (CML), Add	7.13	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	24.25	
For Fusion Bonded Epoxy Lining (206N), Add	12.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.35	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Pipe, Add	33.88	
For >1,000, Deduct	-5.21	
For Class 51, Add	10.13	
For Class 52, Add	21.87	
For Class 53, Add	39.46	
For Class 54, Add	56.31	
For Class 55, Add	64.72	
For Class 56, Add	72.98	
33 14 13 13-1130 LF 16", Class 50, Push-On Joint Ductile Iron Pipe.....	123.73	24.84
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	35.31	
For Cement Mortar Lining (CML), Add	8.61	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	26.70	
For Fusion Bonded Epoxy Lining (206N), Add	15.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.46	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Pipe, Add	40.91	
For >1,000, Deduct	-6.19	
For Class 51, Add	12.21	
For Class 52, Add	26.35	
For Class 53, Add	47.56	
For Class 54, Add	67.88	
For Class 55, Add	78.01	
For Class 56, Add	87.95	
33 14 13 13-1131 LF 18", Class 50, Push-On Joint Ductile Iron Pipe.....	143.97	29.06
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	41.01	
For Cement Mortar Lining (CML), Add	10.00	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	31.01	
For Fusion Bonded Epoxy Lining (206N), Add	18.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.50	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Pipe, Add	47.51	
For >1,000, Deduct	-7.20	
For Class 51, Add	14.18	
For Class 52, Add	30.61	
For Class 53, Add	55.25	
For Class 54, Add	78.85	
For Class 55, Add	90.61	
For Class 56, Add	102.17	
33 14 13 13-1132 LF 20", Class 50, Push-On Joint Ductile Iron Pipe.....	165.87	34.80
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	42.99	
For Cement Mortar Lining (CML), Add	11.31	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	31.68	
For Fusion Bonded Epoxy Lining (206N), Add	20.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.49	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Pipe, Add	53.74	
For >1,000, Deduct	-8.29	
For Class 51, Add	16.08	
For Class 52, Add	34.71	
For Class 53, Add	62.61	
For Class 54, Add	89.35	
For Class 55, Add	102.69	
For Class 56, Add	115.79	
33 14 13 13-1133 LF 24", Class 50, Push-On Joint Ductile Iron Pipe.....	209.93	43.48
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	44.62	
For Cement Mortar Lining (CML), Add	14.40	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	30.23	
For Fusion Bonded Epoxy Lining (206N), Add	25.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.80	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Pipe, Add	68.38	
For >1,000, Deduct	-10.50	
For Class 51, Add	20.45	
For Class 52, Add	44.13	
For Class 53, Add	79.62	
For Class 54, Add	113.62	
For Class 55, Add	130.58	
For Class 56, Add	147.24	



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1134	LF	30"	Class 50, Push-On Joint Ductile Iron Pipe.....	249.48	46.41
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	55.54	
			For Cement Mortar Lining (CML), Add	17.92	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	32.25	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.44	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-12.47	
			For Class 51, Add	25.30	
			For Class 52, Add	54.63	
			For Class 53, Add	98.65	
			For Class 54, Add	140.83	
			For Class 55, Add	161.80	
			For Class 56, Add	182.38	
33 14 13 13-1135	LF	36"	Class 50, Push-On Joint Ductile Iron Pipe.....	310.62	49.34
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	73.12	
			For Cement Mortar Lining (CML), Add	23.59	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	42.45	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.69	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-15.53	
			For Class 51, Add	33.08	
			For Class 52, Add	71.47	
			For Class 53, Add	129.20	
			For Class 54, Add	184.50	
			For Class 55, Add	211.88	
			For Class 56, Add	238.75	
33 14 13 13-1136	LF	42"	Class 50, Push-On Joint Ductile Iron Pipe.....	379.86	52.26
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	93.24	
			For Cement Mortar Lining (CML), Add	30.08	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	54.14	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.56	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-18.99	
			For Class 51, Add	41.98	
			For Class 52, Add	90.73	
			For Class 53, Add	164.14	
			For Class 54, Add	234.46	
			For Class 55, Add	269.16	
			For Class 56, Add	303.23	
33 14 13 13-1137	LF	48"	Class 50, Push-On Joint Ductile Iron Pipe.....	458.50	55.07
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	116.23	
			For Cement Mortar Lining (CML), Add	37.49	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	67.49	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.12	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-22.93	
			For Class 51, Add	52.15	
			For Class 52, Add	112.73	
			For Class 53, Add	204.06	
			For Class 54, Add	291.53	
			For Class 55, Add	334.61	
			For Class 56, Add	376.90	
33 14 13 13-1138	LF	54"	Class 50, Push-On Joint Ductile Iron Pipe.....	583.15	58.00
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	153.53	
			For Cement Mortar Lining (CML), Add	49.53	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	89.15	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.15	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-29.16	
			For Class 51, Add	68.60	
			For Class 52, Add	148.35	
			For Class 53, Add	268.71	
			For Class 54, Add	383.97	
			For Class 55, Add	440.59	
			For Class 56, Add	496.17	
33 14 13 13-1139			Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1122)		
33 14 13 13-1140	EA	4"	90 Degree Elbow, Push-On Joint Ductile Iron	297.80	39.71
			For Cement Mortar Lining (CML), Add	23.76	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	42.77	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.82	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	142.57	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1141 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron	431.33	58.57
For Cement Mortar Lining (CML), Add	34.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	61.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.69	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	205.52	
33 14 13 13-1142 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron	580.57	69.54
For Cement Mortar Lining (CML), Add	47.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	85.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.63	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	285.08	
33 14 13 13-1143 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron	877.77	77.11
For Cement Mortar Lining (CML), Add	71.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	129.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.87	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	430.97	
33 14 13 13-1144 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,137.28	90.46
For Cement Mortar Lining (CML), Add	95.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	171.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.27	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	570.19	
33 14 13 13-1145 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,293.98	101.48
For Cement Mortar Lining (CML), Add	208.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	375.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.31	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	1,250.50	
33 14 13 13-1146 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,592.62	116.02
For Cement Mortar Lining (CML), Add	235.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	423.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.47	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	1,411.75	
33 14 13 13-1147 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,048.68	162.41
For Cement Mortar Lining (CML), Add	371.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	668.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	278.48	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	2,227.87	
33 14 13 13-1148 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,545.43	204.72
For Cement Mortar Lining (CML), Add	413.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	744.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	310.20	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	2,481.62	
33 14 13 13-1149 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,675.50	255.93
For Cement Mortar Lining (CML), Add	516.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	929.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.28	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	3,098.26	
33 14 13 13-1150 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1122)		
33 14 13 13-1151 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron	243.76	39.71
For Cement Mortar Lining (CML), Add	18.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.77	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	110.15	



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1152	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	358.67 26.99 48.58 20.24 161.93	58.57
33 14 13 13-1153	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	502.40 39.70 71.45 29.77 238.18	69.54
33 14 13 13-1154	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	769.84 61.04 109.87 45.78 366.22	77.11
33 14 13 13-1155	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	999.76 81.28 146.30 60.96 487.67	90.46
33 14 13 13-1156	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	1,435.26 122.54 220.58 91.91 735.26	101.48
33 14 13 13-1157	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	2,142.97 190.33 342.59 142.75 1,141.96	116.02
33 14 13 13-1158	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	2,449.07 211.35 380.43 158.51 1,268.10	162.41
33 14 13 13-1159	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	3,450.24 304.08 547.35 228.06 1,824.50	204.72
33 14 13 13-1160	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	4,280.60 376.89 678.39 282.66 2,261.32	255.93
33 14 13 13-1161		Push-On Joint Ductile Iron Tee (33 14 13 13-1122)		
33 14 13 13-1162	EA	4" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Restrained Joint Fitting, Add	456.21 36.74 66.14 27.56 220.45	58.57

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1163 EA 6" Tee, Push-On Joint Ductile Iron.....	633.23	86.08
For Cement Mortar Lining (CML), Add	50.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	90.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.71	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	301.66	
33 14 13 13-1164 EA 8" Tee, Push-On Joint Ductile Iron.....	870.96	104.32
For Cement Mortar Lining (CML), Add	71.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	128.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.46	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	427.65	
33 14 13 13-1165 EA 10" Tee, Push-On Joint Ductile Iron.....	1,297.34	117.18
For Cement Mortar Lining (CML), Add	112.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	201.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.12	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	672.94	
33 14 13 13-1166 EA 12" Tee, Push-On Joint Ductile Iron.....	1,619.46	135.11
For Cement Mortar Lining (CML), Add	141.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	254.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.08	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	848.63	
33 14 13 13-1167 EA 14" Tee, Push-On Joint Ductile Iron.....	2,631.92	162.41
For Cement Mortar Lining (CML), Add	238.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	429.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.94	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	1,431.50	
33 14 13 13-1168 EA 16" Tee, Push-On Joint Ductile Iron.....	3,817.79	203.08
For Cement Mortar Lining (CML), Add	351.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	631.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	263.26	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	2,106.11	
33 14 13 13-1169 EA 18" Tee, Push-On Joint Ductile Iron.....	4,791.83	270.93
For Cement Mortar Lining (CML), Add	438.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	788.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	328.60	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	2,628.80	
33 14 13 13-1170 EA 20" Tee, Push-On Joint Ductile Iron.....	5,641.95	330.58
For Cement Mortar Lining (CML), Add	514.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	925.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	385.58	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	3,084.66	
33 14 13 13-1171 EA 24" Tee, Push-On Joint Ductile Iron.....	7,398.03	413.19
For Cement Mortar Lining (CML), Add	677.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,218.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	507.90	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	4,063.22	
33 14 13 13-1172 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1122)		
33 14 13 13-1173 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron.....	448.69	137.74
For Cement Mortar Lining (CML), Add	24.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	43.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.00	
Note: ANSI/AWWA C151/A21.51		



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1174	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	549.28 29.09 52.36 21.82	170.55
33 14 13 13-1175	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	719.61 41.82 75.27 31.36	198.91
33 14 13 13-1176	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	984.89 54.55 98.18 40.91	290.03
33 14 13 13-1177	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,193.12 69.09 124.36 51.82	331.52
33 14 13 13-1178	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,377.21 83.64 150.54 62.73	356.95
33 14 13 13-1179	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,640.46 105.45 189.82 79.09	386.71
33 14 13 13-1180	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,939.45 123.64 222.54 92.73	464.05
33 14 13 13-1181	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,253.94 147.27 265.09 110.45	515.61
33 14 13 13-1182	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,828.67 192.73 346.91 144.54	594.95
33 14 13 13-1183	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,540.59 345.89 622.60 259.42	713.89
33 14 13 13-1184	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,287.36 493.52 888.34 370.14	892.36
33 14 13 13-1185	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,952.95 639.05 1,150.29 479.29	1,031.22

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1186 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,149.90 814.10 1,465.39 610.58	1,325.82
33 14 13 13-1187 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,335.51 999.12 1,798.42 749.34	1,547.18
33 14 13 13-1188 Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 14 13 13-1122) Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1189 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	58.56	21.44
33 14 13 13-1190 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	76.27	27.98
33 14 13 13-1191 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	99.30	28.67
33 14 13 13-1192 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	118.25	30.45
33 14 13 13-1193 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	141.21	33.83
33 14 13 13-1194 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	179.35	38.06
33 14 13 13-1195 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	211.92	43.50
33 14 13 13-1196 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	239.30	47.13
33 14 13 13-1197 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	278.68	56.55
33 14 13 13-1198 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	337.12	58.73
33 14 13 13-1199 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	434.92	65.26
33 14 13 13-1200 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	571.23	70.69
33 14 13 13-1201 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	707.90	77.34
33 14 13 13-1202 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	836.35	87.01
33 14 13 13-1203 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,162.46	94.35
33 14 13 13-1204 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) (33 14 13 13-1122)		
33 14 13 13-1205 EA 4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	252.06	79.10
33 14 13 13-1206 EA 6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	332.53	96.56
33 14 13 13-1207 EA 8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	428.09	117.77
33 14 13 13-1208 EA 10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000)	644.87	143.67
33 14 13 13-1209 EA 12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	799.85	175.19
33 14 13 13-1210 EA 14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,378.25	213.74
33 14 13 13-1211 EA 16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,573.59	260.85
33 14 13 13-1212 EA 18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,786.53	318.15
33 14 13 13-1213 EA 20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,428.20	388.23
33 14 13 13-1214 EA 24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,096.87	473.54
33 14 13 13-1215 EA 30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,343.39	577.84
33 14 13 13-1216 EA 36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,580.71	704.86
33 14 13 13-1217 EA 42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,767.45	860.01
33 14 13 13-1218 EA 48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,810.37	1,049.15
33 14 13 13-1219 Ductile Iron Pipe Repair (33 14 13 13-0001) See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1220 Ductile Iron Pipe Repair (33 14 13 13-1219) Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1221 EA 30" Diameter Mechanical Ductile Iron Push Joint	4,417.56	
33 14 13 13-1222 EA 36" Diameter Mechanical Ductile Iron Push Joint	5,647.59	
33 14 13 13-1223 EA 42" Diameter Mechanical Ductile Iron Push Joint	7,259.81	
33 14 13 13-1224 EA 48" Diameter Mechanical Ductile Iron Push Joint	9,144.97	
33 14 13 13-1225 EA 54" Diameter Mechanical Ductile Iron Push Joint	13,370.64	
33 14 13 13-1226 WEKO Seals (33 14 13 13-1219) Note: Internal joint seal.		
33 14 13 13-1227 EA 16" WEKO Internal Joint Seal For Extra Wide Seals, Add	2,635.75 86.89	222.95
33 14 13 13-1228 EA 18" WEKO Internal Joint Seal For Extra Wide Seals, Add	2,809.03 87.84	235.43
33 14 13 13-1229 EA 20" WEKO Internal Joint Seal For Extra Wide Seals, Add	2,982.11 88.78	247.89
33 14 13 13-1230 EA 24" WEKO Internal Joint Seal For Extra Wide Seals, Add	3,156.97 90.28	267.72
33 14 13 13-1231 EA 30" WEKO Internal Joint Seal For Extra Wide Seals, Add	3,253.55 91.79	287.56
33 14 13 13-1232 EA 36" WEKO Internal Joint Seal For Extra Wide Seals, Add	3,408.50 93.66	312.35
33 14 13 13-1233 EA 42" WEKO Internal Joint Seal For Extra Wide Seals, Add	3,629.70 95.92	342.10
33 14 13 13-1234 EA 48" WEKO Internal Joint Seal For Extra Wide Seals, Add	3,921.63 97.79	366.89



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
33 14 13 13-1235	EA 54" WEKO Internal Joint Seal..... For Extra Wide Seals, Add	4,065.19		386.72	
33 14 13 13-1236	EA 60" WEKO Internal Joint Seal..... For Extra Wide Seals, Add	4,231.59		416.47	
		99.30		101.55	
33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)					
Note: Includes detectable tracer wire.					
33 14 13 23-0001	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)				
33 14 13 23-0002	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0001)				
33 14 13 23-0003	LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	2.61		0.92	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-0.13			
		0.05			
33 14 13 23-0004	LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	2.89		0.99	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-0.14			
		0.06			
33 14 13 23-0005	LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	3.34		1.08	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-0.17			
		0.10			
33 14 13 23-0006	LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	3.87		1.19	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-0.19			
		0.13			
33 14 13 23-0007	LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	4.97		1.34	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-0.25			
		0.24			
33 14 13 23-0008	LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	6.37		1.52	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-0.32			
		0.39			
33 14 13 23-0009	LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	7.73		1.68	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-0.39			
		0.53			
33 14 13 23-0010	LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	10.93		2.08	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-0.55			
		0.86			
33 14 13 23-0011	LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	19.11		2.63	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-0.96			
		1.88			
33 14 13 23-0012	LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	30.50		3.71	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-1.53			
		3.18			
33 14 13 23-0013	LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	45.41		4.96	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-2.27			
		4.95			
33 14 13 23-0014	LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct	63.20		6.68	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	-3.16			
		6.98			
33 14 13 23-0015	Class 200, SDR 21 Polyvinyl Chloride (PVC), 90 Degree Elbows (33 14 13 23-0001)				
33 14 13 23-0016	EA 3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	27.97		11.05	
33 14 13 23-0017	EA 1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	35.34		13.81	
33 14 13 23-0018	EA 1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	44.51		17.26	
33 14 13 23-0019	EA 1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	66.04		19.10	
33 14 13 23-0020	EA 2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	71.57		21.41	
33 14 13 23-0021	EA 2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	84.58		24.28	
33 14 13 23-0022	EA 3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	94.22		27.00	
33 14 13 23-0023	EA 4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	130.32		33.16	
33 14 13 23-0024	EA 6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	187.07		42.13	
33 14 13 23-0025	EA 8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	301.54		55.30	
33 14 13 23-0026	EA 10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow 12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	371.44		73.99	
33 14 13 23-0027	EA 12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbows (33 14 13 23-0001)	491.19		99.60	
33 14 13 23-0028	Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbows (33 14 13 23-0001)				
33 14 13 23-0029	EA 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 1" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	28.46		11.05	
33 14 13 23-0030	EA 1" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	35.69		13.81	
33 14 13 23-0031	EA 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	44.72		17.26	
33 14 13 23-0032	EA 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	59.62		19.10	
33 14 13 23-0033	EA 2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	72.16		21.41	
33 14 13 23-0034	EA 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 3" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	87.00		24.28	
33 14 13 23-0035	EA 3" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	93.19		27.00	
33 14 13 23-0036	EA 4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 6" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	128.11		33.16	
33 14 13 23-0037	EA 6" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 8" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	182.61		42.13	
33 14 13 23-0038	EA 8" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 10" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	293.06		55.30	
33 14 13 23-0039	EA 10" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow 12" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	336.28		73.99	
33 14 13 23-0040	EA 12" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow Class 200, SDR 21 Polyvinyl Chloride (PVC), Tees Or Wyes (33 14 13 23-0001)	442.54		99.60	
33 14 13 23-0041	Class 200, SDR 21 Polyvinyl Chloride (PVC), Tees Or Wyes (33 14 13 23-0001)				
33 14 13 23-0042	EA 3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye..... 1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	41.92		16.57	
33 14 13 23-0043	EA 1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	52.91		20.83	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0044 EA 1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	66.32	26.01
33 14 13 23-0045 EA 1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	91.18	28.78
33 14 13 23-0046 EA 2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	103.71	32.00
33 14 13 23-0047 EA 2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	120.60	36.49
33 14 13 23-0048 EA 3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	144.04	40.39
33 14 13 23-0049 EA 4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	188.94	49.79
33 14 13 23-0050 EA 6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	311.32	63.30
33 14 13 23-0051 EA 8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	465.38	82.96
33 14 13 23-0052 EA 10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	557.90	119.07
33 14 13 23-0053 EA 12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye.....	699.35	160.22
33 14 13 23-0054 Class 200, SDR 21 Polyvinyl Chloride (PVC), Couplings (33 14 13 23-0001)		
33 14 13 23-0055 EA 3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	18.74	7.37
33 14 13 23-0056 EA 1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	25.28	9.90
33 14 13 23-0057 EA 1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	33.72	13.01
33 14 13 23-0058 EA 1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	46.60	14.39
33 14 13 23-0059 EA 2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	51.42	16.00
33 14 13 23-0060 EA 2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	58.48	18.18
33 14 13 23-0061 EA 3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	66.67	20.20
33 14 13 23-0062 EA 4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	91.24	24.84
33 14 13 23-0063 EA 6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	130.07	31.65
33 14 13 23-0064 EA 8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	219.89	41.48
33 14 13 23-0065 EA 10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	265.16	59.59
33 14 13 23-0066 EA 12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling.....	338.54	80.11
33 14 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0067)		
33 14 13 23-0069 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.86	0.92
For >1,000, Deduct.....	-0.14	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add.....	0.08	
33 14 13 23-0070 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.36	0.99
For >1,000, Deduct.....	-0.17	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add.....	0.13	
33 14 13 23-0071 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	4.31	1.19
For >1,000, Deduct.....	-0.22	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add.....	0.20	
33 14 13 23-0072 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	5.13	1.34
For >1,000, Deduct.....	-0.26	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add.....	0.27	
33 14 13 23-0073 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	6.63	1.52
For >1,000, Deduct.....	-0.33	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add.....	0.43	
33 14 13 23-0074 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	7.90	1.68
For >1,000, Deduct.....	-0.40	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add.....	0.55	
33 14 13 23-0075 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	10.48	2.08
For >1,000, Deduct.....	-0.52	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add.....	0.80	
33 14 13 23-0076 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	15.84	2.63
For >1,000, Deduct.....	-0.79	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add.....	1.39	
33 14 13 23-0077 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0067)		
33 14 13 23-0078 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	28.15	11.05
33 14 13 23-0079 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	35.45	13.81
33 14 13 23-0080 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	49.28	19.10
33 14 13 23-0081 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	55.65	21.41
33 14 13 23-0082 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	66.70	24.28
33 14 13 23-0083 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	74.66	27.00
33 14 13 23-0084 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	97.58	33.16
33 14 13 23-0085 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	152.01	42.13
33 14 13 23-0086 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0067)		
33 14 13 23-0087 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	28.10	11.05
33 14 13 23-0088 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	35.40	13.81
33 14 13 23-0089 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	49.30	19.10
33 14 13 23-0090 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	55.48	21.41
33 14 13 23-0091 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	66.25	24.28
33 14 13 23-0092 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	74.12	27.00
33 14 13 23-0093 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	96.49	33.16
33 14 13 23-0094 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	148.56	42.13
33 14 13 23-0095 Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0067)		
33 14 13 23-0096 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye.....	42.11	16.57
33 14 13 23-0097 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye.....	53.05	20.83
33 14 13 23-0098 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye.....	73.72	28.78



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0099 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	82.89	32.00
33 14 13 23-0100 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	100.31	36.49
33 14 13 23-0101 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	114.17	40.39
33 14 13 23-0102 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	141.96	49.79
33 14 13 23-0103 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	231.32	63.30
33 14 13 23-0104 Schedule 40 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0067)		
33 14 13 23-0105 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	18.82	7.37
33 14 13 23-0106 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Coupling	25.35	9.90
33 14 13 23-0107 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	36.75	14.39
33 14 13 23-0108 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	41.43	16.00
33 14 13 23-0109 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	48.56	18.18
33 14 13 23-0110 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Coupling	55.18	20.20
33 14 13 23-0111 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	68.35	24.84
33 14 13 23-0112 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Coupling	100.31	31.65
33 14 13 23-0113 Schedule 40 Polyvinyl Chloride (PVC) Crosses (33 14 13 23-0067)		
33 14 13 23-0114 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Cross	56.32	22.10
33 14 13 23-0115 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Cross	70.64	27.74
33 14 13 23-0116 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	98.28	38.33
33 14 13 23-0117 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Cross	110.50	42.71
33 14 13 23-0118 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	133.69	48.58
33 14 13 23-0119 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Cross	152.16	53.90
33 14 13 23-0120 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Cross	189.17	66.32
33 14 13 23-0121 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Cross	308.00	84.36
33 14 13 23-0122 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0123 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0122)		
33 14 13 23-0124 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.63	0.99
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.17	
33 14 13 23-0125 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.85	1.19
For >1,000, Deduct	-0.24	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.28	
33 14 13 23-0126 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.04	1.34
For >1,000, Deduct	-0.30	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.41	
33 14 13 23-0127 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.81	1.52
For >1,000, Deduct	-0.39	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.60	
33 14 13 23-0128 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.55	1.68
For >1,000, Deduct	-0.48	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.80	
33 14 13 23-0129 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	13.01	2.08
For >1,000, Deduct	-0.65	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.17	
33 14 13 23-0130 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	21.48	2.63
For >1,000, Deduct	-1.07	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.23	
33 14 13 23-0131 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0122)		
33 14 13 23-0132 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	36.85	13.81
33 14 13 23-0133 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	49.28	19.10
33 14 13 23-0134 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	57.06	21.41
33 14 13 23-0135 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	69.68	24.28
33 14 13 23-0136 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	77.42	27.00
33 14 13 23-0137 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	98.24	33.16
33 14 13 23-0138 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	148.85	42.13
33 14 13 23-0139 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0122)		
33 14 13 23-0140 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	42.60	13.81
33 14 13 23-0141 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	54.82	19.10
33 14 13 23-0142 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	62.38	21.41
33 14 13 23-0143 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	79.67	24.28
33 14 13 23-0144 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	90.43	27.00
33 14 13 23-0145 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	124.39	33.16
33 14 13 23-0146 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	147.10	42.13
33 14 13 23-0147 Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0122)		
33 14 13 23-0148 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	55.99	20.83
33 14 13 23-0149 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	82.66	28.78
33 14 13 23-0150 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	93.54	32.00
33 14 13 23-0151 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	105.95	36.49
33 14 13 23-0152 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	119.57	40.39

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0153	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	145.85	49.79
33 14 13 23-0154	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	231.18	63.30
33 14 13 23-0155		Schedule 80 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0122)		
33 14 13 23-0156	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	27.45	9.90
33 14 13 23-0157	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	40.36	14.39
33 14 13 23-0158	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	44.83	16.00
33 14 13 23-0159	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	57.29	18.18
33 14 13 23-0160	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	63.97	20.20
33 14 13 23-0161	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	79.04	24.84
33 14 13 23-0162	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	115.24	31.65
33 14 13 23-0163		Schedule 80 Polyvinyl Chloride (PVC) Crosses (33 14 13 23-0122)		
33 14 13 23-0164	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	74.55	27.74
33 14 13 23-0165	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	110.15	38.33
33 14 13 23-0166	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	124.64	42.71
33 14 13 23-0167	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	141.18	48.58
33 14 13 23-0168	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	159.33	53.90
33 14 13 23-0169	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	194.34	66.32
33 14 13 23-0170	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	307.82	84.36
33 14 13 23-0171		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings (33 14 13 23-0171)		
33 14 13 23-0172		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe (33 14 13 23-0171)		
33 14 13 23-0173	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	58.99	3.54
33 14 13 23-0174	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	83.94	3.81
33 14 13 23-0175	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	113.35	4.42
33 14 13 23-0176	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	154.38	5.67
33 14 13 23-0177	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	176.68	6.91
33 14 13 23-0178		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (33 14 13 23-0171)		
33 14 13 23-0179	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	747.89	51.42
33 14 13 23-0180	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,572.37	86.21
33 14 13 23-0181	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,733.15	94.09
33 14 13 23-0182	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,468.62	101.80
33 14 13 23-0183	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,757.12	109.51
33 14 13 23-0184		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (33 14 13 23-0171)		
33 14 13 23-0185	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,048.21	51.42
33 14 13 23-0186	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,269.40	86.21
33 14 13 23-0187	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,714.96	94.09
33 14 13 23-0188	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,349.92	101.80
33 14 13 23-0189	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,791.80	109.51
33 14 13 23-0190		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (33 14 13 23-0171)		
33 14 13 23-0191	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	1,449.69	82.27
33 14 13 23-0192	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	2,137.45	122.95
33 14 13 23-0193	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	2,825.47	131.12
33 14 13 23-0194	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	6,872.30	138.83
33 14 13 23-0195	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	9,688.08	146.53
33 14 13 23-0196		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees (33 14 13 23-0171)		
33 14 13 23-0197	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,424.70	78.14
33 14 13 23-0198	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,553.67	110.95
33 14 13 23-0199	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,772.36	116.79
33 14 13 23-0200	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,009.81	112.41
33 14 13 23-0201	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,231.20	118.33
33 14 13 23-0202	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,545.04	124.55
33 14 13 23-0203	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,943.82	113.08
33 14 13 23-0204	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,326.31	119.03
33 14 13 23-0205	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,813.69	125.29
33 14 13 23-0206	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,376.77	131.89
33 14 13 23-0207	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,003.92	113.39
33 14 13 23-0208	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,693.00	119.35
33 14 13 23-0209	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,235.78	125.64
33 14 13 23-0210	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,072.46	132.24
33 14 13 23-0211	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,949.28	139.21
33 14 13 23-0212		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes (33 14 13 23-0171)		
33 14 13 23-0213	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye.....	1,464.08	82.27



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0214	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,469.16	122.95	
33 14 13 23-0215	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,338.90	131.12	
33 14 13 23-0216	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	10,815.88	138.83	
33 14 13 23-0217	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	13,497.62	146.53	
33 14 13 23-0218 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes (33 14 13 23-0171)					
33 14 13 23-0219	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,275.09	78.14	
33 14 13 23-0220	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,775.41	110.95	
33 14 13 23-0221	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,056.03	116.79	
33 14 13 23-0222	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,366.92	112.41	
33 14 13 23-0223	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,497.50	118.33	
33 14 13 23-0224	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	3,022.07	124.55	
33 14 13 23-0225	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,212.29	113.08	
33 14 13 23-0226	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,630.12	119.03	
33 14 13 23-0227	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,825.99	131.89	
33 14 13 23-0228	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,229.85	113.39	
33 14 13 23-0229	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,203.03	119.35	
33 14 13 23-0230	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,073.94	125.64	
33 14 13 23-0231	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,746.54	132.24	
33 14 13 23-0232	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	10,934.99	139.21	
33 14 13 23-0233 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (33 14 13 23-0171)					
33 14 13 23-0234	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	679.13	51.42	
33 14 13 23-0235	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	921.54	86.21	
33 14 13 23-0236	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,275.64	94.09	
33 14 13 23-0237	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,531.49	101.80	
33 14 13 23-0238	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,770.28	109.51	
33 14 13 23-0239 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings (33 14 13 23-0171)					
33 14 13 23-0240	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	923.35	48.84	
33 14 13 23-0241	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	679.13	46.40	
33 14 13 23-0242	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	942.62	81.90	
33 14 13 23-0243	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,822.33	77.80	
33 14 13 23-0244	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,698.73	73.91	
33 14 13 23-0245	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,334.09	70.21	
33 14 13 23-0246	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	841.24	89.38	
33 14 13 23-0247	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,444.19	84.91	
33 14 13 23-0248	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,059.82	80.66	
33 14 13 23-0249	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,781.98	76.62	
33 14 13 23-0250	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,633.03	96.70	
33 14 13 23-0251	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,226.01	91.86	
33 14 13 23-0252	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,643.02	87.27	
33 14 13 23-0253	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,487.76	82.91	
33 14 13 23-0254	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,306.01	78.77	
33 14 13 23-0255	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,022.40	104.04	
33 14 13 23-0256 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings (33 14 13 23-0171)					
33 14 13 23-0257	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	818.43	87.27	
33 14 13 23-0258	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,439.02	82.91	
33 14 13 23-0259	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,092.21	82.91	
33 14 13 23-0260	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,784.74	78.77	
33 14 13 23-0261	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,878.06	74.83	
33 14 13 23-0262	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,790.48	71.09	
33 14 13 23-0263	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,640.18	78.77	
33 14 13 23-0264	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,986.49	74.83	
33 14 13 23-0265	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,922.50	71.09	
33 14 13 23-0266	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,125.38	67.53	
33 14 13 23-0267	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,973.33	74.83	
33 14 13 23-0268	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,291.01	71.09	
33 14 13 23-0269	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,112.69	67.53	
33 14 13 23-0270	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,013.50	64.16	
33 14 13 23-0271	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,814.71	60.95	
33 14 13 23-0272	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,536.54	98.84	
33 14 13 23-0273 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges (33 14 13 23-0171)					
33 14 13 23-0274	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	900.93	51.42	
33 14 13 23-0275	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,074.94	86.21	
33 14 13 23-0276	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,025.33	94.09	
33 14 13 23-0277	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,398.47	101.80	
33 14 13 23-0278	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	4,203.79	109.51	
33 14 13 23-0279	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	28.15		
33 14 13 23-0280	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	36.68		
33 14 13 23-0281	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	50.48		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0282 EA 14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	107.98	
33 14 13 23-0283 EA 16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	191.57	
33 14 13 23-0284 EA Zinc Coated Flange Hardware Kit	179.88	
33 14 13 23-0285 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23) Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0286 AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)		
33 14 13 23-0287 LF 4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.37	3.97
33 14 13 23-0288 LF 6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	16.61	4.81
33 14 13 23-0289 LF 8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	22.89	5.40
33 14 13 23-0290 LF 10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	30.23	6.00
33 14 13 23-0291 LF 12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	39.25	6.73
33 14 13 23-0292 AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)		
33 14 13 23-0293 LF 4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	12.60	3.97
33 14 13 23-0294 LF 6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	19.17	4.81
33 14 13 23-0295 LF 8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	27.19	5.40
33 14 13 23-0296 LF 10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	36.92	6.00
33 14 13 23-0297 LF 12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	48.59	6.73
33 14 13 23-0298 AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)		
33 14 13 23-0299 LF 4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	13.81	3.97
33 14 13 23-0300 LF 6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	21.71	4.81
33 14 13 23-0301 LF 8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	31.49	5.40
33 14 13 23-0302 LF 10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	43.46	6.00
33 14 13 23-0303 LF 12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	57.93	6.73
33 14 13 23-0304 AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)		
33 14 13 23-0305 LF 18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	61.64	10.09
33 14 13 23-0306 LF 20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	75.20	12.01
33 14 13 23-0307 LF 24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	101.09	14.42
33 14 13 23-0308 LF 30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	146.58	16.82
33 14 13 23-0309 LF 36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	202.84	19.22
33 14 13 23-0310 LF 42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	257.54	20.42
33 14 13 23-0311 LF 48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	326.70	21.98
33 14 13 23-0312 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)		
33 14 13 23-0313 LF 14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	45.50	7.57
33 14 13 23-0314 LF 16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	57.21	8.40
33 14 13 23-0315 LF 18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	70.99	10.09
33 14 13 23-0316 LF 20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	87.34	12.01
33 14 13 23-0317 LF 24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	119.81	14.42
33 14 13 23-0318 LF 30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	173.43	16.82
33 14 13 23-0319 LF 36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	238.79	19.22
33 14 13 23-0320 LF 42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	317.33	20.42
33 14 13 23-0321 LF 48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	404.28	21.98
33 14 13 23-0322 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)		
33 14 13 23-0323 LF 14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	52.69	7.57
33 14 13 23-0324 LF 16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	67.20	8.40
33 14 13 23-0325 LF 18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	83.39	10.09
33 14 13 23-0326 LF 20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	103.43	12.01
33 14 13 23-0327 LF 24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	142.91	14.42
33 14 13 23-0328 LF 30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	208.14	16.82
33 14 13 23-0329 LF 36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	289.46	19.22
33 14 13 23-0330 LF 42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	377.36	20.42
33 14 13 23-0331 LF 48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	482.61	21.98
33 14 13 23-0332 AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)		
33 14 13 23-0333 LF 14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	64.99	7.57
33 14 13 23-0334 LF 16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	81.80	8.40
33 14 13 23-0335 LF 18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	102.19	10.09
33 14 13 23-0336 LF 20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	126.14	12.01
33 14 13 23-0337 LF 24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	175.66	14.42
33 14 13 23-0338 LF 30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	259.53	16.82
33 14 13 23-0339 LF 36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	368.47	19.22
33 14 13 23-0340 LF 42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	493.22	20.42
33 14 13 23-0341 LF 48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	638.09	21.98
33 14 13 23-0342 AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)		
33 14 13 23-0343 LF 14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	74.23	7.57



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
33 14 13 23-0344	LF 16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	93.82		8.40	
33 14 13 23-0345	LF 18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	117.36		10.09	
33 14 13 23-0346	LF 20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	145.02		12.01	
33 14 13 23-0347	LF 24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	202.82		14.42	
33 14 13 23-0348	LF 30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	301.32		16.82	
33 14 13 23-0349	LF 36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	429.52		19.22	
33 14 13 23-0350	LF 42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	576.90		20.42	
33 14 13 23-0351	AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)				
33 14 13 23-0352	LF 14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	83.23		7.57	
33 14 13 23-0353	LF 16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	105.52		8.40	
33 14 13 23-0354	LF 18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	132.09		10.09	
33 14 13 23-0355	LF 20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	163.40		12.01	
33 14 13 23-0356	LF 24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	229.25		14.42	
33 14 13 23-0357	LF 30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	341.98		16.82	
33 14 13 23-0358	LF 36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	488.93		19.22	
33 14 13 23-0359	AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)				
	Note: Includes rubber gaskets.				
33 14 13 23-0360	AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbows (33 14 13 23-0359)				
33 14 13 23-0361	EA 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	217.76		13.81	
	For DR 25, Deduct	-11.41			
33 14 13 23-0362	EA 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	446.11		15.54	
	For DR 25, Deduct	-24.90			
33 14 13 23-0363	EA 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	670.23		17.26	
	For DR 25, Deduct	-38.14			
33 14 13 23-0364	EA 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,024.30		27.83	
	For DR 25, Deduct	-58.12			
33 14 13 23-0365	EA 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,333.06		46.37	
	For DR 25, Deduct	-74.42			
33 14 13 23-0366	EA 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,001.89		57.96	
	For DR 25, Deduct	-113.16			
33 14 13 23-0367	EA 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,389.01		69.56	
	For DR 25, Deduct	-134.99			
33 14 13 23-0368	EA 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	4,099.33		92.74	
	For DR 25, Deduct	-234.83			
33 14 13 23-0369	EA 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	5,046.42		115.93	
	For DR 25, Deduct	-288.87			
33 14 13 23-0370	EA 24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	8,376.82		156.51	
	For DR 25, Deduct	-483.83			
33 14 13 23-0371	AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbows (33 14 13 23-0359)				
33 14 13 23-0372	EA 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	192.93		13.81	
	For DR 25, Deduct	-9.92			
33 14 13 23-0373	EA 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	333.52		15.54	
	For DR 25, Deduct	-18.15			
33 14 13 23-0374	EA 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	422.70		17.26	
	For DR 25, Deduct	-23.29			
33 14 13 23-0375	EA 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	598.60		27.83	
	For DR 25, Deduct	-32.58			
33 14 13 23-0376	EA 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	800.37		46.37	
	For DR 25, Deduct	-42.46			
33 14 13 23-0377	EA 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,538.53		57.96	
	For DR 25, Deduct	-85.35			
33 14 13 23-0378	EA 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,950.04		69.56	
	For DR 25, Deduct	-108.65			
33 14 13 23-0379	EA 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	3,365.40		92.74	
	For DR 25, Deduct	-190.79			
33 14 13 23-0380	EA 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	4,179.98		115.93	
	For DR 25, Deduct	-236.89			
33 14 13 23-0381	EA 24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	5,898.73		156.51	
	For DR 25, Deduct	-335.14			
33 14 13 23-0382	AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbows (33 14 13 23-0359)				
33 14 13 23-0383	EA 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	189.91		13.81	
	For DR 25, Deduct	-9.74			
33 14 13 23-0384	EA 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	333.53		15.54	
	For DR 25, Deduct	-18.15			
33 14 13 23-0385	EA 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	422.71		17.26	
	For DR 25, Deduct	-23.29			
33 14 13 23-0386	EA 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	598.61		27.83	
	For DR 25, Deduct	-32.58			
33 14 13 23-0387	EA 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	800.37		46.37	
	For DR 25, Deduct	-42.46			

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0388 EA 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow For DR 25, Deduct	1,533.87 -85.35	55.64
33 14 13 23-0389 EA 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow For DR 25, Deduct	1,950.02 -108.65	69.56
33 14 13 23-0390 EA 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow For DR 25, Deduct	3,365.40 -190.79	92.74
33 14 13 23-0391 EA 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow For DR 25, Deduct	4,179.98 -236.89	115.93
33 14 13 23-0392 EA 24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow For DR 25, Deduct	5,898.73 -335.14	156.51
33 14 13 23-0393 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbows (33 14 13 23-0359)		
33 14 13 23-0394 EA 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	167.68 -8.40	13.81
33 14 13 23-0395 EA 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	333.53 -18.15	15.54
33 14 13 23-0396 EA 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	422.71 -23.29	17.26
33 14 13 23-0397 EA 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	598.61 -32.58	27.83
33 14 13 23-0398 EA 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	800.37 -42.46	46.37
33 14 13 23-0399 EA 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	1,533.87 -85.35	55.64
33 14 13 23-0400 EA 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	1,950.02 -108.65	69.56
33 14 13 23-0401 EA 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	3,365.40 -190.79	92.74
33 14 13 23-0402 EA 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	4,179.98 -236.89	115.93
33 14 13 23-0403 EA 24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow For DR 25, Deduct	5,898.73 -335.14	156.51
33 14 13 23-0404 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tees Or Wyes (33 14 13 23-0359)		
33 14 13 23-0405 EA 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye For DR 25, Deduct	258.82 -13.67	15.54
33 14 13 23-0406 EA 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye For DR 25, Deduct	500.12 -27.94	17.26
33 14 13 23-0407 EA 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye For DR 25, Deduct	697.98 -39.53	19.57
33 14 13 23-0408 EA 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye For DR 25, Deduct	1,440.24 -82.24	34.78
33 14 13 23-0409 EA 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye For DR 25, Deduct	1,758.14 -97.14	69.56
33 14 13 23-0410 EA 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye For DR 25, Deduct	3,174.91 -180.06	86.95
33 14 13 23-0411 EA 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye For DR 25, Deduct	3,932.42 -223.42	104.34
33 14 13 23-0412 EA 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee For DR 25, Deduct	4,961.85 -281.02	139.13
33 14 13 23-0413 EA 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee For DR 25, Deduct	5,958.63 -336.65	173.90
33 14 13 23-0414 EA 24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee For DR 25, Deduct	8,173.93 -476.25	118.25
33 14 13 23-0415 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tees Or Wyes (33 14 13 23-0359)		
33 14 13 23-0416 EA 6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	497.88 -27.18	22.44
33 14 13 23-0417 EA 8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	677.34 -37.74	24.17
33 14 13 23-0418 EA 8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	694.31 -38.65	25.03
33 14 13 23-0419 EA 10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	901.93 -49.94	34.78
33 14 13 23-0420 EA 10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	1,221.41 -69.01	35.65
33 14 13 23-0421 EA 10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	1,306.62 -74.01	36.51
33 14 13 23-0422 EA 12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	1,385.38 -76.72	53.33
33 14 13 23-0423 EA 12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	1,590.23 -88.91	54.20
33 14 13 23-0424 EA 12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	1,687.03 -94.61	55.07
33 14 13 23-0425 EA 12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye For DR 25, Deduct	1,718.85 -95.90	60.29



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
33 14 13 23-0426	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	2,610.14	62.61
		For DR 25, Deduct	-149.10	
33 14 13 23-0427	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	2,715.11	63.48
		For DR 25, Deduct	-155.29	
33 14 13 23-0428	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	2,820.34	64.34
		For DR 25, Deduct	-161.50	
33 14 13 23-0429	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	2,933.68	69.56
		For DR 25, Deduct	-167.67	
33 14 13 23-0430	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	3,055.51	78.84
		For DR 25, Deduct	-173.87	
33 14 13 23-0431	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	3,257.35	76.52
		For DR 25, Deduct	-186.26	
33 14 13 23-0432	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	3,360.55	76.52
		For DR 25, Deduct	-192.45	
33 14 13 23-0433	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	3,465.53	77.38
		For DR 25, Deduct	-198.65	
33 14 13 23-0434	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	3,570.52	78.25
		For DR 25, Deduct	-204.84	
33 14 13 23-0435	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	3,702.71	92.74
		For DR 25, Deduct	-211.03	
33 14 13 23-0436	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	3,815.21	97.38
		For DR 25, Deduct	-217.23	
33 14 13 23-0437	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	4,025.60	99.71
		For DR 25, Deduct	-229.57	
33 14 13 23-0438	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	4,131.30	100.57
		For DR 25, Deduct	-235.81	
33 14 13 23-0439	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	4,236.26	101.44
		For DR 25, Deduct	-242.00	
33 14 13 23-0440	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	4,349.92	106.66
		For DR 25, Deduct	-248.20	
33 14 13 23-0441	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	4,471.67	115.93
		For DR 25, Deduct	-254.39	
33 14 13 23-0442	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	4,583.47	120.57
		For DR 25, Deduct	-260.54	
33 14 13 23-0443	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	4,725.56	127.52
		For DR 25, Deduct	-268.23	
33 14 13 23-0444	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	5,105.67	122.89
		For DR 25, Deduct	-291.59	
33 14 13 23-0445	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	5,283.68	123.76
		For DR 25, Deduct	-302.17	
33 14 13 23-0446	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	5,353.75	124.63
		For DR 25, Deduct	-306.27	
33 14 13 23-0447	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	5,432.62	129.84
		For DR 25, Deduct	-310.38	
33 14 13 23-0448	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	5,519.53	139.13
		For DR 25, Deduct	-314.48	
33 14 13 23-0449	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	5,639.62	143.76
		For DR 25, Deduct	-321.13	
33 14 13 23-0450	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	5,764.40	150.72
		For DR 25, Deduct	-327.78	
33 14 13 23-0451	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	5,861.50	162.31
		For DR 25, Deduct	-332.21	
33 14 13 23-0452	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	6,011.67	163.47
		For DR 25, Deduct	-341.08	
33 14 13 23-0453	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	6,087.37	164.33
		For DR 25, Deduct	-345.52	
33 14 13 23-0454	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	6,163.05	165.21
		For DR 25, Deduct	-349.96	
33 14 13 23-0455	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	6,474.17	170.42
		For DR 25, Deduct	-368.00	
33 14 13 23-0456	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	6,793.37	179.70
		For DR 25, Deduct	-386.04	
33 14 13 23-0457	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	7,103.34	184.34
		For DR 25, Deduct	-404.08	
33 14 13 23-0458	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	7,417.94	191.29
		For DR 25, Deduct	-422.12	
33 14 13 23-0459	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	7,741.82	202.88
		For DR 25, Deduct	-440.16	
33 14 13 23-0460	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye.....	8,065.69	214.47
		For DR 25, Deduct	-458.20	
33 14 13 23-0461		AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross (33 14 13 23-0359)		
33 14 13 23-0462	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross.....	358.93	27.62
		For DR 25, Deduct	-18.22	
33 14 13 23-0463	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross.....	644.95	31.08
		For DR 25, Deduct	-34.97	
33 14 13 23-0464	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross.....	893.03	34.53
		For DR 25, Deduct	-49.44	
33 14 13 23-0465	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross.....	1,823.94	55.64
		For DR 25, Deduct	-102.76	
33 14 13 23-0466	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross.....	2,163.32	69.56
		For DR 25, Deduct	-121.45	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0467 EA 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross For DR 25, Deduct	3,936.98 -225.09	92.74
33 14 13 23-0468 EA 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross For DR 25, Deduct	4,885.78 -279.25	115.93
33 14 13 23-0469 EA 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross For DR 25, Deduct	6,226.38 -351.32	185.50
33 14 13 23-0470 EA 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross For DR 25, Deduct	7,477.39 -420.82	231.87
33 14 13 23-0471 EA 24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross For DR 25, Deduct	10,547.23 -595.27	313.02
33 14 13 23-0472 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross (33 14 13 23-0359)		
33 14 13 23-0473 EA 6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	625.40 -34.00	29.35
33 14 13 23-0474 EA 8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	849.39 -47.23	31.08
33 14 13 23-0475 EA 8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	871.08 -48.33	32.80
33 14 13 23-0476 EA 10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	1,307.70 -73.45	41.74
33 14 13 23-0477 EA 10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	1,524.78 -86.27	43.48
33 14 13 23-0478 EA 10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	1,675.00 -95.07	45.21
33 14 13 23-0479 EA 12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	1,719.50 -95.94	60.29
33 14 13 23-0480 EA 12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	1,976.25 -111.13	62.02
33 14 13 23-0481 EA 12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	2,098.58 -118.26	63.77
33 14 13 23-0482 EA 12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	2,146.09 -119.86	74.20
33 14 13 23-0483 EA 14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	3,245.28 -186.37	69.56
33 14 13 23-0484 EA 14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	3,377.40 -194.09	71.30
33 14 13 23-0485 EA 14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	3,510.96 -201.89	73.04
33 14 13 23-0486 EA 14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	3,661.35 -209.66	83.47
33 14 13 23-0487 EA 14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	3,827.00 -217.38	102.03
33 14 13 23-0488 EA 16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	4,046.71 -232.79	83.47
33 14 13 23-0489 EA 16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	4,180.59 -240.61	85.21
33 14 13 23-0490 EA 16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	4,313.03 -248.35	86.95
33 14 13 23-0491 EA 16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	4,463.32 -256.11	97.38
33 14 13 23-0492 EA 16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	4,537.07 -258.31	115.93
33 14 13 23-0493 EA 16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	4,776.35 -271.56	125.21
33 14 13 23-0494 EA 18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	4,996.69 -287.00	106.66
33 14 13 23-0495 EA 18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	5,130.25 -294.81	108.40
33 14 13 23-0496 EA 18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	5,262.91 -302.56	110.14
33 14 13 23-0497 EA 18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	5,411.25 -310.21	120.57
33 14 13 23-0498 EA 18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	5,578.44 -318.01	139.13
33 14 13 23-0499 EA 18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	5,725.55 -325.73	148.40
33 14 13 23-0500 EA 18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	5,913.36 -335.33	162.31
33 14 13 23-0501 EA 20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	6,335.18 -364.53	129.84
33 14 13 23-0502 EA 20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	6,558.61 -377.73	131.59
33 14 13 23-0503 EA 20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	6,648.16 -382.89	133.32
33 14 13 23-0504 EA 20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	6,754.16 -388.00	143.76
33 14 13 23-0505 EA 20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	6,876.41 -393.11	162.31
33 14 13 23-0506 EA 20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	7,032.55 -401.36	171.58
33 14 13 23-0507 EA 20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross For DR 25, Deduct	7,200.70 -409.78	185.50



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0508	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	7,339.24 -415.31	208.68
33 14 13 23-0509	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	7,405.74 -423.89	170.42
33 14 13 23-0510	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	7,543.15 -431.93	172.16
33 14 13 23-0511	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	7,639.43 -437.50	173.90
33 14 13 23-0512	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	8,035.72 -460.02	184.34
33 14 13 23-0513	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	8,448.37 -482.56	202.88
33 14 13 23-0514	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	8,842.40 -505.08	212.16
33 14 13 23-0515	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	9,247.31 -527.71	226.07
33 14 13 23-0516	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	9,668.36 -550.19	249.25
33 14 13 23-0517	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross..... <i>For DR 25, Deduct</i>	10,091.02 -572.77	272.45
33 14 13 23-0518		AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Couplings (33 14 13 23-0359)		
33 14 13 23-0519	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	130.02 -6.14	13.81
33 14 13 23-0520	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	242.44 -12.68	15.54
33 14 13 23-0521	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	291.82 -15.44	17.26
33 14 13 23-0522	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	415.56 -21.59	27.83
33 14 13 23-0523	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	660.94 -35.48	34.78
33 14 13 23-0524	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	1,146.56 -63.23	46.37
33 14 13 23-0525	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	1,358.26 -74.54	57.96
33 14 13 23-0526	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	3,251.18 -183.94	92.74
33 14 13 23-0527	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	3,644.93 -204.78	115.93
33 14 13 23-0528	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling..... <i>For DR 25, Deduct</i>	5,132.06 -289.14	156.51
33 14 13 23-0529		AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter (33 14 13 23-0359)		
33 14 13 23-0530	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	161.20 -8.01	13.81
33 14 13 23-0531	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	219.04 -11.28	15.54
33 14 13 23-0532	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	318.48 -17.04	17.26
33 14 13 23-0533	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	436.34 -22.84	27.83
33 14 13 23-0534	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	699.27 -36.39	46.37
33 14 13 23-0535	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	1,855.43 -104.65	55.64
33 14 13 23-0536	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	2,511.56 -142.35	69.56
33 14 13 23-0537	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	3,094.67 -174.55	92.74
33 14 13 23-0538	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	3,697.34 -207.93	115.93
33 14 13 23-0539	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter..... <i>For DR 25, Deduct</i>	5,022.70 -282.58	156.51
33 14 13 23-0540		AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping (33 14 13 23)		
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0541		High-Density Polyethylene (HDPE) Pressure Pipe (33 14 13 23-0540)		
33 14 13 23-0542	LF	3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe..... <i>For SDR 19, Add</i> <i>For SDR 17, Add</i> <i>For SDR 15.5, Add</i> <i>For SDR 13.5, Add</i> <i>For SDR 11, Add</i>	8.09 0.16 0.40 0.58 0.90 1.46	3.12

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0543 LF 4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	9.57	3.97
For SDR 26, Deduct	-0.30	
For SDR 19, Add	0.15	
For SDR 17, Add	0.36	
For SDR 15.5, Add	0.53	
For SDR 13.5, Add	0.83	
For SDR 11, Add	1.34	
33 14 13 23-0544 LF 6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	13.15	4.81
For SDR 26, Deduct	-0.65	
For SDR 19, Add	0.32	
For SDR 17, Add	0.79	
For SDR 15.5, Add	1.15	
For SDR 13.5, Add	1.80	
For SDR 11, Add	2.89	
33 14 13 23-0545 LF 8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	16.82	5.40
For SDR 26, Deduct	-1.10	
For SDR 19, Add	0.54	
For SDR 17, Add	1.34	
For SDR 15.5, Add	1.96	
For SDR 13.5, Add	3.05	
For SDR 11, Add	4.91	
33 14 13 23-0546 LF 10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	21.36	6.00
For SDR 26, Deduct	-1.71	
For SDR 19, Add	0.84	
For SDR 17, Add	2.08	
For SDR 15.5, Add	3.04	
For SDR 13.5, Add	4.75	
For SDR 11, Add	7.64	
33 14 13 23-0547 LF 12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	26.81	6.73
For SDR 26, Deduct	-2.47	
For SDR 19, Add	1.21	
For SDR 17, Add	3.00	
For SDR 15.5, Add	4.39	
For SDR 13.5, Add	6.85	
For SDR 11, Add	11.02	
33 14 13 23-0548 LF 14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	30.85	7.57
For SDR 26, Deduct	-2.90	
For SDR 19, Add	1.43	
For SDR 17, Add	3.52	
For SDR 15.5, Add	5.15	
For SDR 13.5, Add	8.05	
For SDR 11, Add	12.95	
33 14 13 23-0549 LF 16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	37.52	8.40
For SDR 26, Deduct	-3.79	
For SDR 19, Add	1.86	
For SDR 17, Add	4.60	
For SDR 15.5, Add	6.74	
For SDR 13.5, Add	10.51	
For SDR 11, Add	16.92	
33 14 13 23-0550 LF 18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	46.40	10.09
For SDR 26, Deduct	-4.80	
For SDR 19, Add	2.35	
For SDR 17, Add	5.81	
For SDR 15.5, Add	8.51	
For SDR 13.5, Add	13.29	
For SDR 11, Add	21.39	
33 14 13 23-0551 LF 20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	81.43	12.01
For SDR 26, Deduct	-10.52	
For SDR 19, Add	5.17	
For SDR 17, Add	12.75	
For SDR 15.5, Add	18.68	
For SDR 13.5, Add	29.15	
For SDR 11, Add	46.92	
33 14 13 23-0552 LF 24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	75.38	14.42
For SDR 26, Deduct	-8.53	
For SDR 19, Add	4.19	
For SDR 17, Add	10.34	
For SDR 15.5, Add	15.15	
For SDR 13.5, Add	23.64	
For SDR 11, Add	38.05	
33 14 13 23-0553 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping ^{(33 14}		
^{13 23-0540)}		
33 14 13 23-0554 EA 3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	65.55	17.26
For SDR 26, Deduct	-2.52	
For SDR 19, Add	1.24	
For SDR 17, Add	3.06	
For SDR 15.5, Add	4.48	
For SDR 13.5, Add	6.99	
For SDR 11, Add	11.25	



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0555	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	73.94	19.20
		For SDR 26, Deduct	-3.00	
		For SDR 19, Add	1.48	
		For SDR 17, Add	3.64	
		For SDR 15.5, Add	5.33	
		For SDR 13.5, Add	8.32	
		For SDR 11, Add	13.40	
33 14 13 23-0556	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	109.33	21.93
		For SDR 26, Deduct	-7.99	
		For SDR 19, Add	3.92	
		For SDR 17, Add	9.69	
		For SDR 15.5, Add	14.19	
		For SDR 13.5, Add	22.14	
		For SDR 11, Add	35.64	
33 14 13 23-0557	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	167.89	25.60
		For SDR 26, Deduct	-16.70	
		For SDR 19, Add	8.20	
		For SDR 17, Add	20.25	
		For SDR 15.5, Add	29.65	
		For SDR 13.5, Add	46.28	
		For SDR 11, Add	74.50	
33 14 13 23-0558	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	254.43	34.19
		For SDR 26, Deduct	-27.88	
		For SDR 19, Add	13.69	
		For SDR 17, Add	33.80	
		For SDR 15.5, Add	49.50	
		For SDR 13.5, Add	77.26	
		For SDR 11, Add	124.35	
33 14 13 23-0559	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	376.17	51.17
		For SDR 26, Deduct	-40.83	
		For SDR 19, Add	20.05	
		For SDR 17, Add	49.49	
		For SDR 15.5, Add	72.48	
		For SDR 13.5, Add	113.13	
		For SDR 11, Add	182.09	
33 14 13 23-0560	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	470.27	68.28
		For SDR 26, Deduct	-48.67	
		For SDR 19, Add	23.90	
		For SDR 17, Add	59.00	
		For SDR 15.5, Add	86.40	
		For SDR 13.5, Add	134.86	
		For SDR 11, Add	217.07	
33 14 13 23-0561	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	624.83	102.32
		For SDR 26, Deduct	-58.29	
		For SDR 19, Add	28.62	
		For SDR 17, Add	70.66	
		For SDR 15.5, Add	103.47	
		For SDR 13.5, Add	161.50	
		For SDR 11, Add	259.95	
33 14 13 23-0562	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	778.04	115.10
		For SDR 26, Deduct	-79.32	
		For SDR 19, Add	38.94	
		For SDR 17, Add	96.15	
		For SDR 15.5, Add	140.80	
		For SDR 13.5, Add	219.77	
		For SDR 11, Add	353.74	
33 14 13 23-0563	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,046.65	130.65
		For SDR 26, Deduct	-119.28	
		For SDR 19, Add	58.56	
		For SDR 17, Add	144.59	
		For SDR 15.5, Add	211.74	
		For SDR 13.5, Add	330.50	
		For SDR 11, Add	531.96	
33 14 13 23-0564	EA	24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,329.13	153.55
		For SDR 26, Deduct	-159.23	
		For SDR 19, Add	78.18	
		For SDR 17, Add	193.03	
		For SDR 15.5, Add	282.68	
		For SDR 13.5, Add	441.22	
		For SDR 11, Add	710.17	
33 14 13 23-0565		Tees, High-Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0540)		
33 14 13 23-0566	EA	3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	72.09	18.07
		For SDR 26, Deduct	-3.30	
		For SDR 19, Add	1.62	
		For SDR 17, Add	4.00	
		For SDR 15.5, Add	5.85	
		For SDR 13.5, Add	9.14	
		For SDR 11, Add	14.71	
33 14 13 23-0567	EA	4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	82.54	20.47
		For SDR 26, Deduct	-3.88	
		For SDR 19, Add	1.91	
		For SDR 17, Add	4.71	
		For SDR 15.5, Add	6.89	
		For SDR 13.5, Add	10.76	
		For SDR 11, Add	17.31	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0568 EA 6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	126.16	23.62
For SDR 26, Deduct	-10.15	
For SDR 19, Add	4.98	
For SDR 17, Add	12.30	
For SDR 15.5, Add	18.01	
For SDR 13.5, Add	28.12	
For SDR 11, Add	45.26	
33 14 13 23-0569 EA 8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	224.12	27.92
For SDR 26, Deduct	-25.74	
For SDR 19, Add	12.64	
For SDR 17, Add	31.21	
For SDR 15.5, Add	45.70	
For SDR 13.5, Add	71.33	
For SDR 11, Add	114.81	
33 14 13 23-0570 EA 10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	307.82	40.98
For SDR 26, Deduct	-33.91	
For SDR 19, Add	16.65	
For SDR 17, Add	41.11	
For SDR 15.5, Add	60.21	
For SDR 13.5, Add	93.97	
For SDR 11, Add	151.25	
33 14 13 23-0571 EA 12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	436.84	61.47
For SDR 26, Deduct	-46.31	
For SDR 19, Add	22.74	
For SDR 17, Add	56.14	
For SDR 15.5, Add	82.21	
For SDR 13.5, Add	128.32	
For SDR 11, Add	206.53	
33 14 13 23-0572 EA 14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	527.43	76.78
For SDR 26, Deduct	-54.48	
For SDR 19, Add	26.75	
For SDR 17, Add	66.04	
For SDR 15.5, Add	96.72	
For SDR 13.5, Add	150.96	
For SDR 11, Add	242.98	
33 14 13 23-0573 EA 16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	698.42	115.10
For SDR 26, Deduct	-64.70	
For SDR 19, Add	31.77	
For SDR 17, Add	78.43	
For SDR 15.5, Add	114.85	
For SDR 13.5, Add	179.26	
For SDR 11, Add	288.54	
33 14 13 23-0574 EA 18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	892.63	134.10
For SDR 26, Deduct	-89.89	
For SDR 19, Add	44.14	
For SDR 17, Add	108.97	
For SDR 15.5, Add	159.58	
For SDR 13.5, Add	249.08	
For SDR 11, Add	400.91	
33 14 13 23-0575 EA 20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	1,236.54	158.39
For SDR 26, Deduct	-138.58	
For SDR 19, Add	68.04	
For SDR 17, Add	167.99	
For SDR 15.5, Add	246.02	
For SDR 13.5, Add	384.00	
For SDR 11, Add	618.07	
33 14 13 23-0576 EA 24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	1,597.22	191.99
For SDR 26, Deduct	-187.28	
For SDR 19, Add	91.95	
For SDR 17, Add	227.02	
For SDR 15.5, Add	332.46	
For SDR 13.5, Add	518.92	
For SDR 11, Add	835.23	
33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)		
See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)		
33 14 13 36-0001 Steel Piping (33 14 13 36)		
33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)		
Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0049 for pipe linings.		
33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	103.72	30.58
For <100, Add	12.14	
For >1,000, Deduct	-5.19	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	121.99	30.58
For <100, Add	13.05	
For >1,000, Deduct	-6.10	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	122.40	33.35
For <100, Add	13.70	
For >1,000, Deduct	-6.12	



Utilities		33	CS
Water Utilities		33 10	
Water Utility Transmission and Distribution		33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	145.50	33.35
		For <100, Add	14.86	
		For >1,000, Deduct	-7.28	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	146.36	34.95
		For <100, Add	15.26	
		For >1,000, Deduct	-7.32	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	164.33	34.95
		For <100, Add	16.16	
		For >1,000, Deduct	-8.22	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	176.08	38.63
		For <100, Add	17.58	
		For >1,000, Deduct	-8.80	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	190.44	38.63
		For <100, Add	18.30	
		For >1,000, Deduct	-9.52	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	186.81	40.77
		For <100, Add	18.61	
		For >1,000, Deduct	-9.34	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	197.90	40.77
		For <100, Add	19.16	
		For >1,000, Deduct	-9.90	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	229.95	45.87
		For <100, Add	21.92	
		For >1,000, Deduct	-11.50	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	248.12	45.87
		For <100, Add	22.83	
		For >1,000, Deduct	-12.41	
33 14 13 36-0016		5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	199.71	60.10
		For <100, Add	19.43	
		For >1,000, Deduct	-9.99	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	235.89	66.11
		For <100, Add	22.23	
		For >1,000, Deduct	-11.79	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	261.22	69.11
		For <100, Add	24.08	
		For >1,000, Deduct	-13.06	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	294.62	78.13
		For <100, Add	27.13	
		For >1,000, Deduct	-14.73	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	306.94	78.13
		For <100, Add	27.74	
		For >1,000, Deduct	-15.35	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	318.34	78.13
		For <100, Add	28.31	
		For >1,000, Deduct	-15.92	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	331.48	78.13
		For <100, Add	28.97	
		For >1,000, Deduct	-16.57	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	383.94	90.15
		For <100, Add	33.36	
		For >1,000, Deduct	-19.20	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	424.60	90.15
		For <100, Add	35.40	
		For >1,000, Deduct	-21.23	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	524.38	90.15
		For <100, Add	40.39	
		For >1,000, Deduct	-26.22	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	475.64	105.17
		For <100, Add	40.31	
		For >1,000, Deduct	-23.78	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	492.27	105.17
		For <100, Add	41.14	
		For >1,000, Deduct	-24.61	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	649.14	105.17
		For <100, Add	48.98	
		For >1,000, Deduct	-32.46	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	561.88	105.17
		For <100, Add	44.62	
		For >1,000, Deduct	-28.09	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	659.48	126.20
		For <100, Add	52.61	
		For >1,000, Deduct	-32.97	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	781.13	126.20
		For <100, Add	58.89	
		For >1,000, Deduct	-39.06	
33 14 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	750.74	126.20
		For <100, Add	57.37	
		For >1,000, Deduct	-37.54	
33 14 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,137.57	141.23
		For <100, Add	78.91	
		For >1,000, Deduct	-56.88	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	703.73	141.23
For <100, Add	57.22	
For >1,000, Deduct	-35.19	
33 14 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,303.78	159.26
For <100, Add	89.98	
For >1,000, Deduct	-65.19	
33 14 13 36-0037 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	773.02	159.26
For <100, Add	63.44	
For >1,000, Deduct	-38.65	
33 14 13 36-0038 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,369.48	180.29
For <100, Add	96.81	
For >1,000, Deduct	-68.47	
33 14 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,508.07	180.29
For <100, Add	103.74	
For >1,000, Deduct	-75.40	
33 14 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,688.40	210.33
For <100, Add	117.47	
For >1,000, Deduct	-84.42	
33 14 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,195.63	210.33
For <100, Add	92.83	
For >1,000, Deduct	-59.78	
33 14 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,345.47	171.75
For <100, Add	118.80	
For >1,000, Deduct	-67.27	
33 14 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,458.31	171.75
For <100, Add	174.44	
For >1,000, Deduct	-122.92	
33 14 13 36-0044 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)		
33 14 13 36-0045 EA 2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	165.26	31.78
For 7" Length, Add	10.41	
33 14 13 36-0046 EA 3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	230.98	61.12
For 7" Length, Add	10.87	
33 14 13 36-0047 EA 4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	307.25	80.69
For 7" Length, Add	14.43	
33 14 13 36-0048 EA 6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	495.95	122.25
For 7" Length, Add	25.15	
33 14 13 36-0049 EA 8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	654.78	154.03
For 7" Length, Add	34.92	
33 14 13 36-0050 EA 10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	895.52	175.78
For 7" Length, Add	54.40	
33 14 13 36-0051 EA 12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	1,053.54	220.31
For 7" Length, Add	61.41	
33 14 13 36-0052 EA 14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	1,136.13	220.31
For 10" Length, Add	40.04	
33 14 13 36-0053 EA 16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	1,197.48	234.36
For 10" Length, Add	41.72	
33 14 13 36-0054 EA 18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	1,317.01	269.53
For 10" Length, Add	46.68	
33 14 13 36-0055 EA 20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	1,437.38	304.68
For 10" Length, Add	51.09	
33 14 13 36-0056 EA 24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	1,854.33	322.26
For 10" Length, Add	72.59	
33 14 13 36-0057 EA 30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	2,252.89	351.56
For 10" Length, Add	92.99	
33 14 13 36-0058 EA 36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	2,656.26	395.49
For 10" Length, Add	111.92	
33 14 13 36-0059 EA 42" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	3,081.05	445.30
For 10" Length, Add	132.13	
33 14 13 36-0060 EA 48" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	3,582.81	512.69
For 10" Length, Add	153.45	
33 14 13 36-0061 EA 54" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	3,959.01	585.92
For 10" Length, Add	167.23	
33 14 13 36-0062 EA 60" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	4,509.24	732.40
For 10" Length, Add	182.67	
33 14 13 36-0063 EA 66" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	5,166.68	890.60
For 12" Length, Add	170.45	
33 14 13 36-0064 EA 72" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe.....	6,152.24	1,054.66
For 12" Length, Add	202.15	
33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)		
33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)		
33 14 13 39-0002 LF 1/2" Type L Copper Water Distribution Pipe.....	8.95	2.24
33 14 13 39-0003 LF 3/4" Type L Copper Water Distribution Pipe.....	11.49	2.52
33 14 13 39-0004 LF 1" Type L Copper Water Distribution Pipe.....	15.28	2.80
33 14 13 39-0005 LF 1-1/4" Type L Copper Water Distribution Pipe.....	19.26	3.36
33 14 13 39-0006 LF 1-1/2" Type L Copper Water Distribution Pipe.....	23.85	4.48
33 14 13 39-0007 LF 2" Type L Copper Water Distribution Pipe.....	35.24	5.60
33 14 13 39-0008 LF 2-1/2" Type L Copper Water Distribution Pipe.....	44.24	6.73
33 14 13 39-0009 LF 3" Type L Copper Water Distribution Pipe.....	55.92	7.40
33 14 13 39-0010 LF 3-1/2" Type L Copper Water Distribution Pipe.....	75.01	9.30



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	99.28	11.76
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	161.85	14.68
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	209.62	
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	365.81	19.82
33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)				
33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	9.59	2.24
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	13.76	2.52
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	17.54	2.80
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	20.65	3.36
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	25.92	4.48
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	38.02	5.60
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	51.96	6.73
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	67.48	7.40
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	88.61	9.30
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	119.91	11.76
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	204.54	14.68
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	286.38	17.70
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	507.48	19.82
33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling (33 14 13 39)				
Note: Mueller H-15405				
33 14 13 39-0030	EA	3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	38.89	
33 14 13 39-0031	EA	1" Copper Flare x Female Copper Flare Service Fitting Coupling	53.94	
33 14 13 39-0032	EA	1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	119.04	
33 14 13 39-0033	EA	2" Copper Flare x Female Copper Flare Service Fitting Coupling	151.50	
33 14 13 39-0034 Copper Flare x Female Iron Pipe Service Fitting Coupling (33 14 13 39)				
Note: Mueller H-15450				
33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	42.27	
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	39.02	
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	52.80	
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	75.68	
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	96.01	
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	147.47	
33 14 13 39-0041 Copper Flare x Male Iron Pipe Service Fitting Coupling (33 14 13 39)				
Note: Mueller H-15425				
33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	37.59	
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	39.11	
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	51.79	
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	75.68	
33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	99.66	
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling	151.99	
33 14 13 39-0048 Brass Fittings (33 14 13 39)				
33 14 13 39-0049 Brass Compression Reducer Coupling (33 14 13 39-0048)				
33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling	54.62	17.93
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling	43.59	17.93
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling	90.61	27.22
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling	112.31	34.52
33 14 13 39-0054 Copper Compression x Male NPT Brass Coupling (33 14 13 39-0048)				
Note: A. Y. McDonald 74753Q				
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling	56.98	19.92
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling	65.21	23.24
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling	66.81	23.24
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling	65.48	23.24
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling	88.67	26.56
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling	86.26	26.56
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling	117.31	33.19
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling	153.89	39.83
33 14 13 39-0063 Brass Nipples (33 14 13 39-0048)				
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple	38.60	8.30
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple	49.99	8.96
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple	75.62	9.63
33 14 13 39-0067 Brass "H" Style Meter Insetters (33 14 13 39-0048)				
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters	291.41	36.67
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters	187.61	36.67

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0070		Meter Setters - Resetter, Brass (33 14 13 39-0048)		
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.	768.62	36.67
33 14 13 43		Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)		
33 14 13 43-0001		Pipe Coatings (33 14 13 43)		
33 14 13 43-0002		Epoxy Wrap And Pipe Coating (33 14 13 43-0001) Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	4.62	
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	6.13	
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	7.00	
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	7.36	
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	7.92	
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	9.23	
33 14 13 43-0009	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	12.12	
33 14 13 43-0010	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	19.15	
33 14 13 43-0011	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	41.27	
33 14 13 43-0012	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	47.17	
33 14 13 43-0013	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	53.06	
33 14 13 43-0014	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	58.96	
33 14 13 43-0015	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	64.86	
33 14 13 43-0016	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	70.72	
33 14 13 43-0017	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	76.65	
33 14 13 43-0018		Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001) Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0019	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	9.37	
33 14 13 43-0020	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	11.53	
33 14 13 43-0021	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.41	
33 14 13 43-0022	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	16.05	
33 14 13 43-0023	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	18.13	
33 14 13 43-0024	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	21.21	
33 14 13 43-0025	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	24.10	
33 14 13 43-0026	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	27.19	
33 14 13 43-0027	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	30.22	
33 14 13 43-0028	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	36.25	
33 14 13 43-0029	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	45.31	
33 14 13 43-0030	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	54.38	
33 14 13 43-0031	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	63.44	
33 14 13 43-0032	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	72.50	
33 14 13 43-0033	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	81.57	
33 14 13 43-0034	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	90.63	
33 14 13 43-0035	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	99.69	
33 14 13 43-0036	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	108.75	
33 14 13 43-0037	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	117.82	
33 14 13 43-0038		Epoxy Wrap And Fitting Coating (33 14 13 43-0001) Note: Applied at fabrication shop.		
33 14 13 43-0039	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	10.85 0.49	
33 14 13 43-0040	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	13.77 0.66	
33 14 13 43-0041	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	19.99 0.85	
33 14 13 43-0042	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	33.52 1.25	
33 14 13 43-0043	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	51.17 1.85	



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0044	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating.....	80.16	
		For 1/2" Thick, Add	2.82	
33 14 13 43-0045	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating.....	123.03	
		For 1/2" Thick, Add	3.64	
33 14 13 43-0046	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating.....	166.75	
		For 1/2" Thick, Add	3.75	
33 14 13 43-0047	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating.....	227.24	
		For 1/2" Thick, Add	4.48	
33 14 13 43-0048	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating.....	330.47	
		For 1/2" Thick, Add	6.28	
33 14 13 43-0049		Cement Pipe Lining (33 14 13 43)		
33 14 13 43-0050		Cement Pipe Lining (33 14 13 43-0049)		
		Note: Shop applied.		
33 14 13 43-0051	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	14.63	
		For 1/2" Thick, Add	1.25	
33 14 13 43-0052	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	18.16	
		For 1/2" Thick, Add	1.54	
33 14 13 43-0053	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	22.19	
		For 1/2" Thick, Add	1.92	
33 14 13 43-0054	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	28.78	
		For 1/2" Thick, Add	2.40	
33 14 13 43-0055	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	35.41	
		For 1/2" Thick, Add	2.89	
33 14 13 43-0056	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	45.21	
		For 1/2" Thick, Add	3.38	
33 14 13 43-0057	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	58.51	
		For 1/2" Thick, Add	3.84	
33 14 13 43-0058	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	69.89	
		For 1/2" Thick, Add	3.68	
33 14 13 43-0059	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	84.36	
		For 1/2" Thick, Add	4.09	
33 14 13 43-0060	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	102.26	
		For 1/2" Thick, Add	4.91	
33 14 13 43-0061	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	123.12	
		For 1/2" Thick, Add	6.14	
33 14 13 43-0062	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	148.16	
		For 1/2" Thick, Add	7.36	
33 14 13 43-0063	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	172.88	
		For 1/2" Thick, Add	6.32	
33 14 13 43-0064	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	197.51	
		For 1/2" Thick, Add	7.22	
33 14 13 43-0065	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	222.23	
		For 1/2" Thick, Add	8.12	
33 14 13 43-0066	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	246.97	
		For 1/2" Thick, Add	9.03	
33 14 13 43-0067	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	271.59	
		For 1/2" Thick, Add	5.30	
33 14 13 43-0068	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	296.33	
		For 1/2" Thick, Add	5.78	
33 14 13 43-0069	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	321.05	
		For 1/2" Thick, Add	6.26	
33 14 13 43-0070		Cement Fitting Lining (33 14 13 43-0049)		
		Note: Shop applied.		
33 14 13 43-0071	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	15.59	
		For 1/2" Thick, Add	1.44	
33 14 13 43-0072	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	20.09	
		For 1/2" Thick, Add	1.92	
33 14 13 43-0073	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	28.21	
		For 1/2" Thick, Add	2.50	
33 14 13 43-0074	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	46.47	
		For 1/2" Thick, Add	3.84	
33 14 13 43-0075	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	70.82	
		For 1/2" Thick, Add	5.78	
33 14 13 43-0076	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	104.92	
		For 1/2" Thick, Add	7.77	
33 14 13 43-0077	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	154.76	
		For 1/2" Thick, Add	9.98	
33 14 13 43-0078	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining.....	209.66	
		For 1/2" Thick, Add	11.05	
33 14 13 43-0079	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	281.03	
		For 1/2" Thick, Add	13.63	
33 14 13 43-0080	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	409.08	
		For 1/2" Thick, Add	19.64	
33 14 13 43-0081		8 Mil Polyethylene Encasement Tubing (33 14 13 43)		
		Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0082	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.09	
33 14 13 43-0083	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.81	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0084 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.26	
33 14 13 43-0085 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.87	
33 14 13 43-0086 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.98	
33 14 13 43-0087 LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.14	
33 14 13 43-0088 LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.54	
33 14 13 43-0089 LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	7.79	
33 14 13 43-0090 LF 54" Diameter, 8 Mil Polyethylene Encasement Tubing.....	9.29	
33 14 13 43-0091 LF 60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	10.34	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)**33 14 13 53-0001****Double Stud Stainless Steel Service Saddles (33 14 13 53)**

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	276.01
33 14 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	382.09
33 14 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	395.31
33 14 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	328.37
33 14 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	410.57
33 14 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	343.52
33 14 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	430.17
33 14 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	385.61
33 14 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	453.21
33 14 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	402.45
33 14 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	464.56

33 14 13 53-0013**Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)**

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	234.99
33 14 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	235.14
33 14 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	250.22
33 14 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	238.75
33 14 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	255.38
33 14 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	281.60
33 14 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	299.38
33 14 13 53-0021 EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	274.50
33 14 13 53-0022 EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	300.91
33 14 13 53-0023 EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	316.30
33 14 13 53-0024 EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	289.70
33 14 13 53-0025 EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	316.92
33 14 13 53-0026 EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	332.24
33 14 13 53-0027 EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	305.39
33 14 13 53-0028 EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	331.86
33 14 13 53-0029 EA 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	347.00
33 14 13 53-0030 EA 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	496.36
33 14 13 53-0031 EA 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	509.58
33 14 13 53-0032 EA 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	329.94
33 14 13 53-0033 EA 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	361.65
33 14 13 53-0034 EA 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	375.79
33 14 13 53-0035 EA 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	584.91
33 14 13 53-0036 EA 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	367.53
33 14 13 53-0037 EA 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	405.30
33 14 13 53-0038 EA 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	650.70
33 14 13 53-0039 EA 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	398.69
33 14 13 53-0040 EA 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	438.56
33 14 13 53-0041 EA 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	454.50
33 14 13 53-0042 EA 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	723.66
33 14 13 53-0043 EA 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	461.69
33 14 13 53-0044 EA 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	493.22
33 14 13 53-0045 EA 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	529.92
33 14 13 53-0046 EA 14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	882.67
33 14 13 53-0047 EA 15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	474.91
33 14 13 53-0048 EA 15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	537.54
33 14 13 53-0049 EA 15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	559.86
33 14 13 53-0050 EA 15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	947.28
33 14 13 53-0051 EA 16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	496.11
33 14 13 53-0052 EA 16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	561.00
33 14 13 53-0053 EA 16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	583.88
33 14 13 53-0054 EA 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	985.57
33 14 13 53-0055 EA 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	546.85
33 14 13 53-0056 EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	629.48
33 14 13 53-0057 EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	619.63



Utilities			33	CS
Water Utilities			33 10	
Water Utility Transmission and Distribution			33 14	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		684.69	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		646.86	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		728.04	
33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)					
33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		320.05	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		349.11	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		363.41	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		392.74	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		403.35	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		423.89	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		393.16	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		417.71	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		492.37	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		531.36	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		726.69	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		818.17	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		842.69	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)		937.97	
33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)					
Note: Taps are compression or NPT.					
33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		335.12	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		368.13	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		381.21	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		413.07	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		425.35	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		447.07	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		477.03	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		509.86	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		512.53	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		554.12	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		776.65	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		888.82	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		901.97	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		980.99	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		1,965.23	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		1,965.23	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		2,040.50	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		2,040.50	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		2,190.10	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)		2,190.10	
33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)					
33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		1,464.18	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		1,769.53	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		2,112.51	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		2,232.48	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		3,353.81	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		3,520.61	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		3,593.73	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		3,552.10	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		3,718.24	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		4,119.11	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		4,222.92	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		6,988.63	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		7,176.01	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		7,261.77	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		7,300.22	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		7,567.55	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		7,559.99	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		7,586.43	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		7,795.50	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		7,846.90	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		7,903.21	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		12,035.12	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		8,291.29	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		10,483.64	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		10,952.22	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		11,091.77	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		11,505.40	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		9,848.00	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		9,496.89	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		9,677.32	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		9,749.47	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)		10,097.86	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0130 EA 20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	13,584.33	
33 14 13 53-0131 EA 20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,854.90	
33 14 13 53-0132 EA 24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,883.97	
33 14 13 53-0133 EA 24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	12,050.17	
33 14 13 53-0134 EA 24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	12,098.98	
33 14 13 53-0135 EA 24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	16,669.93	
33 14 13 53-0136 EA 24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	16,886.77	
33 14 13 53-0137 EA 24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	16,939.65	
33 14 13 53-0138 EA 24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	17,402.39	
33 14 13 53-0139 EA 24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	17,625.11	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0141 EA 4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,205.84
33 14 13 53-0142 EA 6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,286.33
33 14 13 53-0143 EA 6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,403.59
33 14 13 53-0144 EA 8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,448.88
33 14 13 53-0145 EA 8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,508.60
33 14 13 53-0146 EA 8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,726.40
33 14 13 53-0147 EA 10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,584.10
33 14 13 53-0148 EA 10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,642.31
33 14 13 53-0149 EA 10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,833.18
33 14 13 53-0150 EA 10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,505.34
33 14 13 53-0151 EA 12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,784.86
33 14 13 53-0152 EA 12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,869.05
33 14 13 53-0153 EA 12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,056.94
33 14 13 53-0154 EA 12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,659.33
33 14 13 53-0155 EA 12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,894.27
33 14 13 53-0156 EA 14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,332.46
33 14 13 53-0157 EA 14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,402.56
33 14 13 53-0158 EA 14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,802.84
33 14 13 53-0159 EA 14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,298.53
33 14 13 53-0160 EA 14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,621.72
33 14 13 53-0161 EA 16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,764.50
33 14 13 53-0162 EA 16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,836.77
33 14 13 53-0163 EA 16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,102.61
33 14 13 53-0164 EA 16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,810.48
33 14 13 53-0165 EA 16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,979.69
33 14 13 53-0166 EA 18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,941.35
33 14 13 53-0167 EA 18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,070.26
33 14 13 53-0168 EA 18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,248.38
33 14 13 53-0169 EA 18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,080.91
33 14 13 53-0170 EA 18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,249.93
33 14 13 53-0171 EA 20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,540.90
33 14 13 53-0172 EA 20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,613.04
33 14 13 53-0173 EA 20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,009.63
33 14 13 53-0174 EA 20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,678.54
33 14 13 53-0175 EA 20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,963.81
33 14 13 53-0176 EA 24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,826.83
33 14 13 53-0177 EA 24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,981.93
33 14 13 53-0178 EA 24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,190.46
33 14 13 53-0179 EA 24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,138.83
33 14 13 53-0180 EA 24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,314.94

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0182 EA 4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,386.89
33 14 13 53-0183 EA 6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,515.00
33 14 13 53-0184 EA 6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,602.85
33 14 13 53-0185 EA 8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,640.16
33 14 13 53-0186 EA 8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,740.96
33 14 13 53-0187 EA 8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,037.12
33 14 13 53-0188 EA 10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,880.23
33 14 13 53-0189 EA 10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,991.73
33 14 13 53-0190 EA 10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,257.43
33 14 13 53-0191 EA 10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,023.82
33 14 13 53-0192 EA 12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,148.40
33 14 13 53-0193 EA 12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,299.47
33 14 13 53-0194 EA 12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,649.70
33 14 13 53-0195 EA 12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,105.22
33 14 13 53-0196 EA 12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,454.08
33 14 13 53-0197 EA 14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,452.24
33 14 13 53-0198 EA 14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,637.02
33 14 13 53-0199 EA 14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,031.04
33 14 13 53-0200 EA 14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,487.02
33 14 13 53-0201 EA 14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,729.34
33 14 13 53-0202 EA 16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,982.08
33 14 13 53-0203 EA 16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,233.75
33 14 13 53-0204 EA 16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,426.13
33 14 13 53-0205 EA 16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,916.20
33 14 13 53-0206 EA 16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,249.46



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0207 EA 18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,292.54	
33 14 13 53-0208 EA 18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,667.47	
33 14 13 53-0209 EA 18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,868.14	
33 14 13 53-0210 EA 18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,299.09	
33 14 13 53-0211 EA 18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,868.45	
33 14 13 53-0212 EA 20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,561.64	
33 14 13 53-0213 EA 20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,935.62	
33 14 13 53-0214 EA 20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,099.11	
33 14 13 53-0215 EA 20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,898.93	
33 14 13 53-0216 EA 20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	5,345.22	
33 14 13 53-0217 EA 24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,209.84	
33 14 13 53-0218 EA 24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,265.20	
33 14 13 53-0219 EA 24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,460.76	
33 14 13 53-0220 EA 24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	5,414.99	
33 14 13 53-0221 EA 24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	5,925.44	
33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0223 EA 3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	351.96	71.34
33 14 13 53-0224 EA 4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	441.15	89.95
33 14 13 53-0225 EA 6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	581.79	124.07
33 14 13 53-0226 EA 8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	749.53	145.78
33 14 13 53-0227 EA 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,157.85	164.39
33 14 13 53-0228 EA 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,294.22	186.10
33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0230 EA 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	503.82	71.34
33 14 13 53-0231 EA 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	597.41	89.95
33 14 13 53-0232 EA 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	798.85	124.07
33 14 13 53-0233 EA 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	975.44	145.78
33 14 13 53-0234 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,186.83	164.39
33 14 13 53-0235 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,381.37	186.10
33 14 13 53-0236 EA 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,636.29	204.71
33 14 13 53-0237 EA 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,932.24	223.32
33 14 13 53-0238 EA 18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,276.54	245.65
33 14 13 53-0239 EA 20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,684.25	270.21
33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)		
33 14 13 53-0241 EA 4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	451.31	89.95
33 14 13 53-0242 EA 6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	606.86	124.07
33 14 13 53-0243 EA 8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	674.51	145.78
33 14 13 53-0244 EA 10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	970.29	164.39
33 14 13 53-0245 EA 12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,228.83	186.10
33 14 13 53-0246 EA 14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,377.06	204.71
33 14 13 53-0247 EA 16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,613.52	223.32
33 14 13 53-0248 EA 18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,809.26	245.65
33 14 13 53-0249 EA 20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,166.85	270.21
33 14 13 53-0250 EA 24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,601.72	297.26
33 14 13 53-0251 EA 30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	5,331.16	326.91
33 14 13 53-0252 EA 36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	7,170.40	359.67
33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)		
33 14 13 53-0254 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	164.34	49.63
33 14 13 53-0255 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	202.03	58.94
33 14 13 53-0256 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	249.63	71.34
33 14 13 53-0257 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	313.59	89.95
33 14 13 53-0258 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	419.60	124.07
33 14 13 53-0259 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	508.31	145.78
33 14 13 53-0260 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	629.71	164.39
33 14 13 53-0261 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	734.56	186.10
33 14 13 53-0262 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,015.61	204.71
33 14 13 53-0263 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,257.31	223.32
33 14 19 Valves and Hydrants for Water Utility Service (33 14)		
Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill.		
33 14 19 00-0001 Accessories For Valves (33 14 19)		
33 14 19 00-0002 EA 1' Valve Extension Stem.....	116.61	
For Each Additional LF, Add		9.11
33 14 19 00-0003 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	1,720.50	122.25
Note: Excludes valve.		
33 14 19 00-0004 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	1,951.07	134.47
Note: Excludes valve.		
33 14 19 00-0005 EA Adjust Water Valve Box To Grade.....	122.25	
33 14 19 00-0006 Water Utility Distribution Valves (33 14 19)		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0007	Angle Valves (33 14 19 00-0006)			
	Note: For connecting meters to water service.			
33 14 19 00-0008	Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0007)			
	Note: NIBCO T-335Y			
33 14 19 00-0009	EA	1/2" Diameter Threaded, Class 150, Bronze Angle Valve	109.56	21.25
33 14 19 00-0010	EA	3/4" Diameter Threaded, Class 150, Bronze Angle Valve	147.76	28.54
33 14 19 00-0011	EA	1" Diameter Threaded, Class 150, Bronze Angle Valve	198.05	35.18
33 14 19 00-0012	EA	1-1/4" Diameter Threaded, Class 150, Bronze Angle Valve	254.81	44.21
33 14 19 00-0013	EA	1-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	317.15	51.12
33 14 19 00-0014	EA	2" Diameter Threaded, Class 150, Bronze Angle Valve	469.19	59.75
33 14 19 00-0015	EA	2-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	747.69	81.54
33 14 19 00-0016	EA	3" Diameter Threaded, Class 150, Bronze Angle Valve	1,127.61	94.13
33 14 19 00-0017	Ball Meter Valves (33 14 19 00-0006)			
33 14 19 00-0018	EA	3/4" Ball Meter Valve (Ford B43-342W).....	148.87	33.19
	Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.			
33 14 19 00-0019	EA	1" Ball Meter Valve (Ford B43-444W).....	161.48	35.18
	Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.			
33 14 19 00-0020	EA	1-1/2" Ball Meter Valve (Ford BF43-666W).....	307.17	59.75
	Note: 1-1/2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.			
33 14 19 00-0021	EA	2" Ball Meter Valve (Ford BF43-777W).....	424.35	60.41
	Note: 2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.			
33 14 19 00-0022	EA	3/4" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	151.76	33.19
33 14 19 00-0023	EA	1" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	200.66	35.18
33 14 19 00-0024	EA	1-1/2" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	361.50	59.75
33 14 19 00-0025	EA	2" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	473.07	60.41
33 14 19 00-0026	Butterfly Valves (33 14 19 00-0006)			
33 14 19 00-0027	Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0026)			
	Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin			
33 14 19 00-0028	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,159.42	225.71
33 14 19 00-0029	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,413.67	225.71
33 14 19 00-0030	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,438.72	349.27
33 14 19 00-0031	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,690.80	349.27
33 14 19 00-0032	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,796.89	410.66
33 14 19 00-0033	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,048.97	410.66
33 14 19 00-0034	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,163.92	524.73
33 14 19 00-0035	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,414.55	524.73
33 14 19 00-0036	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,966.85	638.80
33 14 19 00-0037	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,966.85	638.80
33 14 19 00-0038	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,543.32	774.30
33 14 19 00-0039	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,795.39	774.30
33 14 19 00-0040	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,077.50	1,077.95
33 14 19 00-0041	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,736.67	1,077.95
33 14 19 00-0042	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	7,077.13	1,185.75
33 14 19 00-0043	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	7,885.51	1,185.75



Utilities			33	CS
Water Utilities			33 10	
Water Utility Transmission and Distribution			33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0044	EA		18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD24 Modified)	8,867.18	1,315.11
33 14 19 00-0045	EA		18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-CW24 Modified)	9,723.37	1,315.11
33 14 19 00-0046	EA		20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD24 Modified)	10,161.13	1,482.18
33 14 19 00-0047	EA		20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-CW24 Modified)	11,015.87	1,482.18
33 14 19 00-0048			Lug Type Flanged, Ductile Iron Disc, Butterfly Valves (33 14 19 00-0026) Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0049	EA		24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,D1,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	16,959.29	1,819.04
33 14 19 00-0050	EA		24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	27,248.81	1,819.04
33 14 19 00-0051	EA		24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	16,908.44	1,819.04
33 14 19 00-0052	EA		30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	27,783.95	2,887.89
33 14 19 00-0053	EA		36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	54,847.29	3,850.52
33 14 19 00-0054	EA		42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	64,913.00	5,775.77
33 14 19 00-0055	EA		48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	82,343.57	7,219.72
33 14 19 00-0056	EA		54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	114,980.54	8,663.66
33 14 19 00-0057	EA		60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	144,056.28	10,396.39
33 14 19 00-0058	EA		72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	206,587.19	12,475.67
33 14 19 00-0059	LF		3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.00	
33 14 19 00-0060	EA		316 Stainless Steel Closing Link For Use With DeZurik Chainwheel	10.00	
			Note: One required per valve.		
33 14 19 00-0061			Check Valves (33 14 19 00-0006)		
33 14 19 00-0062			Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0061) Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0063	EA		2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,824.97	177.26
33 14 19 00-0064	EA		3" Flanged, Swing Type Gravity Operated Check Valve	1,862.80	207.82
33 14 19 00-0065	EA		4" Flanged, Swing Type Gravity Operated Check Valve	2,500.62	262.83
33 14 19 00-0066	EA		4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,589.73	395.48
33 14 19 00-0067	EA		4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,710.54	441.67
33 14 19 00-0068	EA		6" Flanged, Swing Type Gravity Operated Check Valve	3,525.60	440.09
33 14 19 00-0069	EA		6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,652.30	500.26
33 14 19 00-0070	EA		6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,833.81	562.34
33 14 19 00-0071	EA		8" Flanged, Swing Type Gravity Operated Check Valve	5,050.86	562.34
33 14 19 00-0072	EA		10" Flanged, Swing Type Gravity Operated Check Valve	8,665.01	684.59
33 14 19 00-0073	EA		12" Flanged, Swing Type Gravity Operated Check Valve	13,251.18	513.44
33 14 19 00-0074	EA		14" Flanged, Swing Type Gravity Operated Check Valve	18,637.44	1,077.95
33 14 19 00-0075	EA		16" Flanged, Swing Type Gravity Operated Check Valve	24,915.70	1,185.75
33 14 19 00-0076	EA		18" Flanged, Swing Type Gravity Operated Check Valve	36,351.52	1,315.11
33 14 19 00-0077	EA		20" Flanged, Swing Type Gravity Operated Check Valve	42,347.58	1,482.18
33 14 19 00-0078			Combination Air Release Valves (33 14 19 00-0006)		
33 14 19 00-0079	EA		1" Combination Air Release Valve	633.90	25.67
33 14 19 00-0080	EA		2" Combination Air Release Valve	1,023.62	44.01
33 14 19 00-0081			Corporation Stop And Curb Valve (33 14 19 00-0006) Note: AWWA C800		
33 14 19 00-0082			Ball Corporation Valves (33 14 19 00-0081) Note: Mueller B-25000.		
33 14 19 00-0083	EA		3/4" Ball Corporation Valve (Mueller B-25000)	88.13	25.67

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0084 EA 1" Ball Corporation Valve (Mueller B-25000)	110.44	31.78
33 14 19 00-0085 EA 1-1/2" Ball Corporation Valve (Mueller B-25000)	192.92	46.46
33 14 19 00-0086 EA 2" Ball Corporation Valve (Mueller B-25000)	283.80	55.01
33 14 19 00-0087 Gate Valve, AWWA C500 And C509 (33 14 19 00-0086)		
33 14 19 00-0088 Gate Valve, Flanged (33 14 19 00-0087)		
Note: Mueller A-2380-6.		
33 14 19 00-0089 EA 2" Gate Valve, Flanged	1,107.97	162.95
33 14 19 00-0090 EA 2-1/2" Gate Valve, Flanged	1,301.97	177.26
33 14 19 00-0091 EA 3" Gate Valve, Flanged	1,541.41	207.82
33 14 19 00-0092 EA 4" Gate Valve, Flanged	1,952.61	260.38
33 14 19 00-0093 EA 6" Gate Valve, Flanged	2,466.15	440.09
33 14 19 00-0094 EA 8" Gate Valve, Flanged	3,689.61	562.34
33 14 19 00-0095 EA 10" Gate Valve, Flanged	5,608.85	684.59
33 14 19 00-0096 EA 12" Gate Valve, Flanged	6,765.60	513.44
33 14 19 00-0097 EA 14" Gate Valve, Flanged	15,052.96	1,077.95
33 14 19 00-0098 EA 16" Gate Valve, Flanged	19,796.80	1,185.75
33 14 19 00-0099 EA 18" Gate Valve, Flanged	31,621.72	1,315.11
33 14 19 00-0100 EA 20" Gate Valve, Flanged	37,856.73	1,482.18
33 14 19 00-0101 Resilient Wedge Gate Valve, Flanged (33 14 19 00-0087)		
Note: Mueller A-2360-6.		
33 14 19 00-0102 EA 2" Resilient Wedge Gate Valve, Flanged	1,056.82	162.95
33 14 19 00-0103 EA 2-1/2" Resilient Wedge Gate Valve, Flanged	1,240.85	177.26
33 14 19 00-0104 EA 3" Resilient Wedge Gate Valve, Flanged	1,468.89	207.82
33 14 19 00-0105 EA 4" Resilient Wedge Gate Valve, Flanged	1,871.54	260.38
33 14 19 00-0106 EA 6" Resilient Wedge Gate Valve, Flanged	2,357.78	440.09
33 14 19 00-0107 EA 8" Resilient Wedge Gate Valve, Flanged	3,520.33	562.34
33 14 19 00-0108 EA 10" Resilient Wedge Gate Valve, Flanged	5,339.83	684.59
33 14 19 00-0109 EA 12" Resilient Wedge Gate Valve, Flanged	6,440.79	513.44
33 14 19 00-0110 Gate Valve, Mechanical Joint (33 14 19 00-0087)		
Note: Mueller A-2380-20.		
33 14 19 00-0111 EA 2" Gate Valve, Mechanical Joint	1,292.01	130.19
33 14 19 00-0112 EA 2-1/2" Gate Valve, Mechanical Joint	1,385.29	163.20
33 14 19 00-0113 EA 3" Gate Valve, Mechanical Joint	1,745.57	197.43
33 14 19 00-0114 EA 4" Gate Valve, Mechanical Joint	2,065.79	260.38
33 14 19 00-0115 EA 6" Gate Valve, Mechanical Joint	2,611.18	305.62
33 14 19 00-0116 EA 8" Gate Valve, Mechanical Joint	3,844.84	366.74
33 14 19 00-0117 EA 10" Gate Valve, Mechanical Joint	5,690.93	427.87
33 14 19 00-0118 EA 12" Gate Valve, Mechanical Joint	7,138.39	513.44
33 14 19 00-0119 EA 14" Gate Valve, Mechanical Joint	16,042.75	660.24
33 14 19 00-0120 EA 16" Gate Valve, Mechanical Joint	20,838.39	741.09
33 14 19 00-0121 EA 18" Gate Valve, Mechanical Joint	33,484.58	821.94
33 14 19 00-0122 EA 20" Gate Valve, Mechanical Joint	39,869.75	926.36
33 14 19 00-0123 Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0087)		
Note: Mueller A-2360-20.		
33 14 19 00-0124 EA 2" Resilient Wedge Gate Valve, Mechanical Joint	1,233.60	130.19
33 14 19 00-0125 EA 3" Resilient Wedge Gate Valve, Mechanical Joint	1,669.11	197.43
33 14 19 00-0126 EA 4" Resilient Wedge Gate Valve, Mechanical Joint	1,978.33	260.38
33 14 19 00-0127 EA 6" Resilient Wedge Gate Valve, Mechanical Joint	2,497.99	305.62
33 14 19 00-0128 EA 8" Resilient Wedge Gate Valve, Mechanical Joint	3,668.75	366.74
33 14 19 00-0129 EA 10" Resilient Wedge Gate Valve, Mechanical Joint	5,417.26	427.87
33 14 19 00-0130 EA 12" Resilient Wedge Gate Valve, Mechanical Joint	6,792.40	513.44
33 14 19 00-0131 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0087)		
Note: Mueller A-2361.		
33 14 19 00-0132 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,662.81	1,077.95
33 14 19 00-0133 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,588.75	1,185.75
33 14 19 00-0134 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	18,183.84	1,315.11
33 14 19 00-0135 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	21,722.17	1,482.18
33 14 19 00-0136 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	30,914.45	1,819.04
33 14 19 00-0137 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0087)		
Note: NIBCO T-113.		
33 14 19 00-0138 EA 1/4" Diameter Threaded, Bronze, Gate Valve	65.57	21.38
33 14 19 00-0139 EA 3/8" Diameter Threaded, Bronze, Gate Valve	67.60	21.38
33 14 19 00-0140 EA 1/2" Diameter Threaded, Bronze, Gate Valve	67.19	21.38
33 14 19 00-0141 EA 3/4" Diameter Threaded, Bronze, Gate Valve	86.75	28.87
33 14 19 00-0142 EA 1" Diameter Threaded, Bronze, Gate Valve	106.85	34.92
33 14 19 00-0143 EA 1-1/4" Diameter Threaded, Bronze, Gate Valve	144.65	44.21
33 14 19 00-0144 EA 1-1/2" Diameter Threaded, Bronze, Gate Valve	167.80	51.12
33 14 19 00-0145 EA 2" Diameter Threaded, Bronze, Gate Valve	203.32	59.75
33 14 19 00-0146 EA 2-1/2" Diameter Threaded, Bronze, Gate Valve	385.43	81.54



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0147	EA	3" Diameter Threaded, Bronze, Gate Valve.....	461.35	93.52
33 14 19 00-0148		Globe Valve, AWWA (33 14 19 00-0006)		
33 14 19 00-0149		Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0148)		
		Note: NIBCO T-235.		
33 14 19 00-0150	EA	1/8" Diameter Threaded, Globe Valve	91.69	21.38
33 14 19 00-0151	EA	1/4" Diameter Threaded, Globe Valve	87.59	21.38
33 14 19 00-0152	EA	3/8" Diameter Threaded, Globe Valve	89.62	21.38
33 14 19 00-0153	EA	1/2" Diameter Threaded, Globe Valve	91.69	21.38
33 14 19 00-0154	EA	3/4" Diameter Threaded, Globe Valve	124.49	28.87
33 14 19 00-0155	EA	1" Diameter Threaded, Globe Valve	173.64	34.92
33 14 19 00-0156	EA	1-1/4" Diameter Threaded, Globe Valve	252.61	44.21
33 14 19 00-0157	EA	1-1/2" Diameter Threaded, Globe Valve	301.24	51.12
33 14 19 00-0158	EA	2" Diameter Threaded, Globe Valve	418.19	59.75
33 14 19 00-0159	EA	2-1/2" Diameter Threaded, Globe Valve	762.48	81.54
33 14 19 00-0160	EA	3" Diameter Threaded, Globe Valve	1,040.69	94.01
33 14 19 00-0161		Tapping Valve, AWWA C500 And C509 (33 14 19 00-0006)		
33 14 19 00-0162		Tapping Valve, AWWA C500 And C509 (33 14 19 00-0161)		
		Note: Resilient inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0163	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,595.47	162.95
33 14 19 00-0164	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,056.53	207.82
33 14 19 00-0165	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,450.19	260.38
33 14 19 00-0166	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,226.51	440.09
33 14 19 00-0167	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,664.78	562.34
33 14 19 00-0168	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,793.91	684.59
33 14 19 00-0169	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,102.50	513.44
33 14 19 00-0170	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	18,485.28	1,077.95
33 14 19 00-0171	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	23,431.34	1,185.75
33 14 19 00-0172	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	38,066.38	1,315.11
33 14 19 00-0173		Yokes And Angles (33 14 19 00-0006)		
33 14 19 00-0174		Yoke, Meter (33 14 19 00-0173)		
33 14 19 00-0175	EA	Yoke, Meter, 5/8"	59.70	19.92
33 14 19 00-0176	EA	Yoke, Meter, 3/4"	67.56	21.91
33 14 19 00-0177	EA	Yoke, Meter, 1"	88.07	25.23
33 14 19 00-0178		Angles And Ells (33 14 19 00-0173)		
33 14 19 00-0179	EA	1-1/2" Flanged Angle, ELL	140.10	13.94
33 14 19 00-0180	EA	ELL, Yoke, With Female I.P.T	43.65	11.95
33 14 19 00-0181		Fire Hydrants (33 14 19)		
		Note: Breakaway type.		
33 14 19 00-0182		Three Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0181)		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0183	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,756.50	319.41
33 14 19 00-0184	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,826.17	319.41
33 14 19 00-0185	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,896.03	319.41
33 14 19 00-0186	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,988.35	342.21
33 14 19 00-0187	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,058.09	342.21
33 14 19 00-0188	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,156.43	370.74
33 14 19 00-0189	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,226.07	370.74
33 14 19 00-0190	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,324.42	399.26
33 14 19 00-0191	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,394.16	399.26
33 14 19 00-0192	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,492.30	427.77
33 14 19 00-0193	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,590.54	456.29
33 14 19 00-0194	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,717.19	513.33
33 14 19 00-0195	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,820.08	319.41
33 14 19 00-0196	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,910.50	319.41
33 14 19 00-0197	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,000.70	319.41
33 14 19 00-0198	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,113.70	342.21
33 14 19 00-0199	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,203.90	342.21
33 14 19 00-0200	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,322.96	370.74
33 14 19 00-0201	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,413.05	370.74
33 14 19 00-0202	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,531.86	399.26
33 14 19 00-0203	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,622.03	399.26
33 14 19 00-0204	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,740.58	427.77
33 14 19 00-0205	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,859.53	456.29
33 14 19 00-0206	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	5,006.61	513.33
33 14 19 00-0207		Two Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0181)		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0208 EA 1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,374.04	319.41
33 14 19 00-0209 EA 2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,443.47	319.41
33 14 19 00-0210 EA 2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,513.30	319.41
33 14 19 00-0211 EA 3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,605.91	342.21
33 14 19 00-0212 EA 3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,675.43	342.21
33 14 19 00-0213 EA 4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,773.62	370.74
33 14 19 00-0214 EA 4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,843.36	370.74
33 14 19 00-0215 EA 5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,941.78	399.26
33 14 19 00-0216 EA 5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,011.37	399.26
33 14 19 00-0217 EA 6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,109.89	427.77
33 14 19 00-0218 EA 6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,207.68	456.29
33 14 19 00-0219 EA 7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,334.49	513.33
33 14 19 00-0220 EA 1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,472.26	319.41
33 14 19 00-0221 EA 2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,562.48	319.41
33 14 19 00-0222 EA 2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,652.57	319.41
33 14 19 00-0223 EA 3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,765.79	342.21
33 14 19 00-0224 EA 3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,855.76	342.21
33 14 19 00-0225 EA 4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,974.67	370.74
33 14 19 00-0226 EA 4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,064.69	370.74
33 14 19 00-0227 EA 5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,183.79	399.26
33 14 19 00-0228 EA 5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,273.76	399.26
33 14 19 00-0229 EA 6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,392.63	427.77
33 14 19 00-0230 EA 6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,511.12	456.29
33 14 19 00-0231 EA 7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,658.70	513.33
33 14 19 00-0232 Three Way, Modern Model Fire Hydrant (33 14 19 00-0181)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0233 EA 1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,919.11	319.41
33 14 19 00-0234 EA 2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,009.19	319.41
33 14 19 00-0235 EA 2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,099.55	319.41
33 14 19 00-0236 EA 3' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,212.59	342.21
33 14 19 00-0237 EA 3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,302.74	342.21
33 14 19 00-0238 EA 4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,421.47	370.74
33 14 19 00-0239 EA 4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,511.74	370.74
33 14 19 00-0240 EA 5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,630.48	399.26
33 14 19 00-0241 EA 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,720.66	399.26
33 14 19 00-0242 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,839.36	399.26
33 14 19 00-0243 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,958.35	456.29
33 14 19 00-0244 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	5,104.49	456.29
33 14 19 00-0245 Two Way, Modern Model Fire Hydrant (33 14 19 00-0181)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0246 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,789.52	319.41
33 14 19 00-0247 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,858.07	319.41
33 14 19 00-0248 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,927.39	319.41
33 14 19 00-0249 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,017.94	342.21
33 14 19 00-0250 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,086.48	342.21
33 14 19 00-0251 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,183.54	370.74
33 14 19 00-0252 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,252.05	370.74
33 14 19 00-0253 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,349.19	399.26
33 14 19 00-0254 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,417.53	399.26
33 14 19 00-0255 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,514.59	427.77
33 14 19 00-0256 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,611.74	456.29
33 14 19 00-0257 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,736.46	513.33
33 14 19 00-0258 Safetop Model With Breakable Section (33 14 19 00-0181)		
Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0259 EA 4" Safetop Model Fire Hydrant Breakable With 5' Burial Section.....	2,811.44	228.14
33 14 19 00-0260 EA 6" Safetop Model Fire Hydrant Breakable With 5' Burial Section.....	3,008.00	256.66
33 14 19 00-0261 EA 8" Safetop Model Fire Hydrant Breakable With 5' Burial Section.....	3,280.16	285.18
33 14 19 00-0262 Fire Hydrant Extension Kits (33 14 19 00-0181)		
33 14 19 00-0263 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	582.56	28.52
33 14 19 00-0264 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	692.32	35.64
33 14 19 00-0265 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	755.43	42.78
33 14 19 00-0266 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	858.99	52.76
33 14 19 00-0267 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,295.18	54.91
33 14 19 00-0268 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,383.20	57.04
33 14 19 00-0269 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,404.40	59.89
33 14 19 00-0270 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,483.41	64.16
33 14 19 00-0271 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,635.90	77.00
33 14 19 00-0272 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,727.24	92.68
33 14 19 00-0273 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	648.03	31.94
33 14 19 00-0274 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	767.55	38.79
33 14 19 00-0275 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	880.91	46.77
33 14 19 00-0276 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	985.22	58.18
33 14 19 00-0277 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,347.51	60.46



		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0278	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,436.67	62.74
33 14 19 00-0279	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,498.16	66.16
33 14 19 00-0280	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,751.86	70.72
33 14 19 00-0281	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,920.49	84.41
33 14 19 00-0282	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	2,018.98	101.53
33 14 19 00-0283		Removal And Reinstallation Of Standard Fire Hydrant ^(33 14 19 00-0181)		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.				
33 14 19 00-0284	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	912.57	
33 14 19 00-0285	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	1,330.84	
33 14 19 00-0286	EA	Reset Fire Hydrant Upper Barrel	1,443.91	
Note: Includes Safety Repair Kit				
33 14 19 00-0287		Yard Hydrants ^(33 14 19)		
Note: With 3/4" hose thread outlet.				
33 14 19 00-0288	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	395.37	39.83
33 14 19 00-0289	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	424.21	39.83
33 14 19 00-0290	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	453.04	39.83
33 14 19 00-0291	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	367.64	50.45
33 14 19 00-0292	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	384.84	50.45
33 14 19 00-0293	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	402.03	50.45
33 14 19 00-0294		Sanitary Yard Hydrants ^(33 14 19)		
Note: With 3/4" hose thread outlet.				
33 14 19 00-0295	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,762.39	82.99
33 14 19 00-0296	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,852.50	82.99
33 14 19 00-0297	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,942.61	82.99
33 14 19 00-0298		Flushing Hydrants ^(33 14 19)		
33 14 19 00-0299	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	904.82	51.03
33 14 23		Enclosures for Water Utility Piping and Valves ^(33 14)		
Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0449 for Enclosures.				
33 14 23 00-0001		Roadway Utility Box ^(33 14 23)		
33 14 23 00-0002		Utility Box ^(33 14 23 00-0001)		
Note: Christy Concrete Products.				
33 14 23 00-0003		B3 Utility Box, 9-3/8" x 15-1/2" ^(33 14 23 00-0002)		
33 14 23 00-0004	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box.....	132.25	60.43
33 14 23 00-0005	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	132.47	6.72
33 14 23 00-0006	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	55.30	6.72
33 14 23 00-0007	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	289.36	6.72
33 14 23 00-0008	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	78.57	13.43
33 14 23 00-0009	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	112.67	13.43
33 14 23 00-0010		B9 Utility Box, 10-1/4" x 17-1/4" ^(33 14 23 00-0002)		
33 14 23 00-0011	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box.....	160.59	80.58
33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	155.19	8.06
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	61.41	8.06
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	303.55	6.72
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	87.94	13.43
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	117.87	20.15
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	140.21	36.93
33 14 23 00-0018		B12 Utility Box, 12" x 20" ^(33 14 23 00-0002)		
33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box.....	176.51	87.29
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box.....	279.25	10.07
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box.....	82.47	13.43
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box.....	408.46	13.43
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	182.77	47.00
33 14 23 00-0024		B16 Utility Box, 12" x 22-1/4" ^(33 14 23 00-0002)		
33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box.....	203.22	102.07
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box.....	315.62	13.43
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	101.81	13.43
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	410.76	13.43
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	143.11	22.83
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	185.98	47.00

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0031 B30 Utility Box, 13-1/4" x 24" (33 14 23 00-0002)		
33 14 23 00-0032 EA 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	244.76	120.86
33 14 23 00-0033 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	137.25	21.49
33 14 23 00-0034 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	507.84	17.46
33 14 23 00-0035 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	143.11	22.83
33 14 23 00-0036 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	219.33	37.61
33 14 23 00-0037 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	171.14	25.51
33 14 23 00-0038 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	240.97	60.43
33 14 23 00-0039 B36 Utility Box, 17-1/4" x 30" (33 14 23 00-0002)		
33 14 23 00-0040 EA 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	319.77	153.09
33 14 23 00-0041 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	223.71	36.93
33 14 23 00-0042 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	636.74	25.51
33 14 23 00-0043 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	202.16	48.35
33 14 23 00-0044 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	341.03	53.72
33 14 23 00-0045 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	321.63	77.89
33 14 23 00-0046 B40 Utility Box, 24-1/2" x 36" (33 14 23 00-0002)		
33 14 23 00-0047 EA 24-1/2" x 36" Precast Concrete Utility Box	660.07	236.35
33 14 23 00-0048 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	611.73	88.63
33 14 23 00-0049 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	904.52	38.95
33 14 23 00-0050 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	500.58	83.26
33 14 23 00-0051 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	531.05	87.29
33 14 23 00-0052 B48 Utility Box, 30-1/4" x 48-1/4" (33 14 23 00-0002)		
33 14 23 00-0053 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box	835.88	268.58
33 14 23 00-0054 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	844.12	146.38
33 14 23 00-0055 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	1,062.87	146.38
33 14 23 00-0056 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	1,432.20	67.15
33 14 23 00-0057 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	729.75	181.30
33 14 23 00-0058 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	656.90	122.20
33 14 23 00-0059 Roadway Or Curb Valve Boxes (33 14 23)		
33 14 23 00-0060 Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 14 23 00-0059)		
33 14 23 00-0061 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	223.03	16.13
Note: Includes cover, top section and bottom section.		
33 14 23 00-0062 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	257.77	16.13
Note: Includes cover, top section and bottom section.		
33 14 23 00-0063 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	259.37	16.13
Note: Includes cover, top section and bottom section.		
33 14 23 00-0064 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	68.68	8.07
33 14 23 00-0065 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	77.88	8.07
33 14 23 00-0066 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	91.72	8.07
33 14 23 00-0067 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box	334.18	20.17
Note: Includes cover, top section and bottom section.		
33 14 23 00-0068 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	575.40	28.24
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0069 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	640.20	28.24
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0070 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	347.04	20.17
Note: Includes cover, top section and bottom section.		
33 14 23 00-0071 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	362.52	20.17
Note: Includes cover, top section and bottom section.		
33 14 23 00-0072 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	350.69	20.17
Note: Includes cover, top section and bottom section.		
33 14 23 00-0073 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	127.49	8.07
33 14 23 00-0074 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	218.80	33.19
33 14 23 00-0075 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	225.83	34.52
33 14 23 00-0076 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	251.22	35.84
33 14 23 00-0077 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Boxes	340.32	37.84
33 14 23 00-0078 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	408.88	39.83
33 14 23 00-0079 EA 18" Cast Iron Service Box Extension Section	94.88	
33 14 23 00-0080 Plastic Roadway Grade Water Meter Box And Cover (33 14 23 00-0059)		
33 14 23 00-0081 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	327.45	46.47
33 14 23 00-0082 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	246.00	33.19
33 14 23 00-0083 EA Cast Iron Lid For Plastic Meter Box	72.86	
33 14 23 00-0084 Traffic Valve Box And Lid (33 14 23 00-0059)		
33 14 23 00-0085 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	234.20	
33 14 23 00-0086 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	749.24	



Utilities			33
Water Utilities			33 10
Water Utility Transmission and Distribution			33 14

CS

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0087 Roadway Valve Box Cover Adjustment (33 14 23) Note: Excludes asphalt See CSI section 02 41 13 13-0036 for breakup and removal of pavement, 02 41 19 13-0057 for saw cutting pavement if required, 32 12 16 13-0072 for hand placed hot mix asphalt.		
33 14 23 00-0088 EA Up To 3" Rise, Up To 6" Diameter, Adjustment To Roadway Valve Cover.....	311.59	
33 14 23 00-0089 Roadway Utility Box Cover Adjustment (33 14 23) Note: Excludes asphalt See CSI section 02 41 13 13-0036 for breakup and removal of pavement, 02 41 19 13-0057 for saw cutting pavement if required, 32 12 16 13-0072 for hand placed hot mix asphalt.		
33 14 23 00-0090 EA Up To 6" Rise, Up To 2 SF, Adjustment To Roadway Utility Cover.....	638.63	
33 14 23 00-0091 EA Up To 6" Rise, >2 To 4 SF, Adjustment To Roadway Utility Cover.....	815.42	
33 14 23 00-0092 EA Up To 6" Rise, >4 To 6 SF, Adjustment To Roadway Utility Cover.....	1,165.59	
33 14 23 00-0093 EA Up To 6" Rise, >6 To 10 SF, Adjustment To Roadway Utility Cover.....	1,421.04	
33 19 Water Utility Metering Equipment (33 19)		
33 19 13 Positive Displacement Water Meters (33 19)		
33 19 13 23 Nutating Disc Water Meters (33 19 13)		
33 19 13 23-0001 Bronze Disk Type Water Service Meters (33 19 13 23)		
33 19 13 23-0002 EA 5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	338.00	69.04
33 19 13 23-0003 EA 3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	424.67	82.32
33 19 13 23-0004 EA 1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	569.66	94.26
33 19 13 23-0005 EA 1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	1,106.69	140.73
33 19 13 23-0006 EA 2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	1,499.25	183.22
33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 19 13 23)		
33 19 13 23-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	604.12	69.04
For Owner Furnished Material, Deduct	-534.24	
33 19 13 23-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	689.02	82.32
For Owner Furnished Material, Deduct	-606.03	
33 19 13 23-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	1,024.72	94.26
For Owner Furnished Material, Deduct	-929.88	
33 19 13 23-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	1,733.38	140.73
For Owner Furnished Material, Deduct	-1,592.14	
33 19 13 23-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	2,146.37	183.22
For Owner Furnished Material, Deduct	-1,961.97	
33 19 13 23-0013 EA Electronic Transmitter.....	488.46	33.19
Note: For use with transmitting meter valve.		
For Owner Furnished Material, Deduct	-455.27	
33 19 16 Velocity-Type Water Meters (33 19)		
33 19 16 23 Turbine Water Meters (33 19 16)		
33 19 16 23-0001 Flanged Turbine Water Service Meter (33 19 16 23)		
33 19 16 23-0002 Vertical Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0003 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	1,326.93	128.36
33 19 16 23-0004 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	1,865.92	162.95
33 19 16 23-0005 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	3,460.95	207.82
33 19 16 23-0006 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	5,159.45	325.18
33 19 16 23-0007 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	9,798.62	440.09
33 19 16 23-0008 Horizontal Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0009 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged.....	2,104.32	128.36
33 19 16 23-0010 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	2,975.74	162.95
33 19 16 23-0011 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	3,905.90	207.82
33 19 16 23-0012 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	5,747.61	325.18
33 19 16 23-0013 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	11,941.55	440.09
33 19 16 23-0014 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	15,978.32	562.34
33 19 16 23-0015 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	22,342.96	684.59
33 19 16 23-0016 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	26,873.78	1,079.45
33 19 19 Compound Water Meters (33 19)		
33 19 19 00-0001 Flanged Compound Type Water Service Meter (33 19 19)		
33 19 19 00-0002 EA 2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	5,640.35	162.95
33 19 19 00-0003 EA 3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	6,826.23	207.82
33 19 19 00-0004 EA 4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	11,291.62	325.18
33 19 19 00-0005 EA 6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	15,797.81	440.09
33 19 19 00-0006 EA 8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	32,595.01	562.34
33 19 19 00-0007 EA 10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	55,924.11	684.59
33 19 23 Magnetic Water Meters (33 19)		

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 23 00-0001		Flanged Electromagnetic Flow (EMF) Water Meter (33 19 23)		
33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	9,012.95	162.95
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	12,721.51	207.82
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,617.63	325.18
33 19 26		Ultrasonic Water Meters (33 19)		
33 19 26 00-0001		Ultrasonic Water Service Meters (Mastermeter Oactive) (33 19 26)		
33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive)	4,581.08	207.82
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive)	5,293.21	325.18
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive)	7,783.64	440.09
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive)	11,199.37	562.34

33 40 Stormwater Utilities (33)**33 41 Subdrainage (33 40)****33 41 16 Subdrainage Piping (33 41)****33 41 16 13 Subdrainage Piping (33 41 16)**

See CSI section 33 42 11 00-0239 for polyethylene drain pipe.

33 41 16 13-0001		Corrugated High-Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)		
33 41 16 13-0002		Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 41 16 13-0001)		
		Note: Excludes couplings and gaskets.		
33 41 16 13-0003		Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 41 16 13-0002)		
33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.42	5.22
		For <100, Add	1.10	
		For >1,000, Deduct	-0.58	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.28	5.60
		For <100, Add	1.25	
		For >1,000, Deduct	-0.69	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.62	5.88
		For <100, Add	1.41	
		For >1,000, Deduct	-0.83	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	14.82	6.06
		For <100, Add	1.65	
		For >1,000, Deduct	-1.04	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.55	6.62
		For <100, Add	1.87	
		For >1,000, Deduct	-1.21	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.38	7.47
		For <100, Add	2.29	
		For >1,000, Deduct	-1.54	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.17	12.25
		For <100, Add	3.70	
		For >1,000, Deduct	-2.47	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	52.35	13.45
		For <100, Add	4.64	
		For >1,000, Deduct	-3.29	
33 41 16 13-0012		Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 41 16 13-0002)		
33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.25	5.22
		For <100, Add	1.10	
		For >1,000, Deduct	-0.57	
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.21	5.60
		For <100, Add	1.25	
		For >1,000, Deduct	-0.69	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.88	5.88
		For <100, Add	1.58	
		For >1,000, Deduct	-0.99	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.54	6.06
		For <100, Add	1.74	
		For >1,000, Deduct	-1.13	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	19.43	6.62
		For <100, Add	1.96	
		For >1,000, Deduct	-1.30	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.18	7.47
		For <100, Add	2.28	
		For >1,000, Deduct	-1.53	
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	35.93	12.25
		For <100, Add	3.63	
		For >1,000, Deduct	-2.41	
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	50.39	13.45
		For <100, Add	4.54	
		For >1,000, Deduct	-3.19	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Subdrainage	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0021 Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings (33 41 16 13-0001) Note: Excludes couplings and gaskets.		
33 41 16 13-0022 Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0023 EA 4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	43.68	25.93
33 41 16 13-0024 EA 6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	51.52	30.26
33 41 16 13-0025 EA 8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	74.82	36.75
33 41 16 13-0026 EA 10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	94.77	45.39
33 41 16 13-0027 EA 12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	131.20	54.04
33 41 16 13-0028 EA 15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	251.63	70.61
33 41 16 13-0029 EA 18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	308.49	95.10
33 41 16 13-0030 EA 24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	532.50	108.07
33 41 16 13-0031 Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0032 EA 4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	44.39	25.93
33 41 16 13-0033 EA 6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	53.86	30.26
33 41 16 13-0034 EA 8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	99.22	36.75
33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0036 EA 4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	29.35	17.30
33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0038 EA 4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	30.10	17.30
33 41 16 13-0039 EA 6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	37.37	20.18
33 41 16 13-0040 EA 8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	51.61	24.50
33 41 16 13-0041 EA 10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	66.58	30.26
33 41 16 13-0042 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 (33 41 16 13) Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.17	4.50
For <100, Add	1.03	
For >1,000, Deduct	-0.58	
33 41 16 13-0044 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.83	4.87
For <100, Add	1.12	
For >1,000, Deduct	-0.64	
33 41 16 13-0045 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	10.93	5.83
For <100, Add	1.42	
For >1,000, Deduct	-0.84	
33 41 16 13-0046 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	16.81	7.29
For <100, Add	1.93	
For >1,000, Deduct	-1.21	
33 41 16 13-0047 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	26.64	7.59
For <100, Add	2.47	
For >1,000, Deduct	-1.71	
33 41 16 13-0048 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	33.79	8.29
For <100, Add	2.93	
For >1,000, Deduct	-2.10	
33 41 16 13-0049 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	46.32	9.34
For <100, Add	3.72	
For >1,000, Deduct	-2.78	
33 41 16 13-0050 Perforated Non-Reinforced Concrete Drainage Piping, C444 (33 41 16 13)		
33 41 16 13-0051 LF 6" Perforated Non-Reinforced Concrete Drainage Pipe.....	36.79	13.18
For Extra Strength, Add	2.11	
For >1,000, Deduct	-1.84	
33 41 16 13-0052 LF 8" Perforated Non-Reinforced Concrete Drainage Pipe.....	43.08	14.64
For Extra Strength, Add	2.60	
For >1,000, Deduct	-2.15	
33 41 16 13-0053 LF 10" Perforated Non-Reinforced Concrete Drainage Pipe.....	48.80	16.10
For Extra Strength, Add	3.03	
For >1,000, Deduct	-2.44	
33 41 16 13-0054 LF 12" Perforated Non-Reinforced Concrete Drainage Pipe.....	57.42	17.56
For Extra Strength, Add	3.80	
For >1,000, Deduct	-2.87	
33 41 16 13-0055 Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 (33 41 16 13) Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056 LF 6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	30.24	13.18
For >1,000, Deduct	-1.51	
33 41 16 13-0057 LF 8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	33.47	14.64
For >1,000, Deduct	-1.67	

33	Utilities
33 40	Stormwater Utilities
33 41	Subdrainage



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0058	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	36.93 -1.85	16.10
33 41 16 13-0059	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	42.24 -2.11	16.73
33 41 16 13-0060	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	49.17 -2.46	18.81
33 41 16 13-0061	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	60.83 -3.04	24.05
33 41 16 13-0062	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	75.95 -3.80	30.84
33 41 16 13-0063	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	92.62 -4.63	37.64
33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 (33 41 16 13)				
33 41 16 13-0065	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	28.08 -1.40	13.18
33 41 16 13-0066	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	35.87 -1.79	14.64
33 41 16 13-0067	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	45.59 -2.28	16.10
33 41 16 13-0068	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	55.51 -2.78	17.56
33 41 16 13-0069	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	63.62 -3.18	19.54
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	82.53 -4.13	24.37
33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 (33 41 16 13)				
33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	27.60	14.64
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	33.02	16.47
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	37.76	16.47
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	50.69	20.13
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	60.33	21.96
33 41 16 13-0077 Geotextile Filter Fabric Sock (33 41 16 13)				
33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock.....	0.86	
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock.....	1.14	
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock.....	1.73	
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock.....	2.32	
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock.....	3.49	
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock.....	4.82	
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock.....	5.80	
33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe (33 41 16 13)				
Note: Perforations are located in the bottom quarter points of the pipe.				
33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	25.83 1.33	6.27
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	32.70 1.75	7.60
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	41.24 2.19	9.65
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	45.76 2.29	11.40
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	52.44 2.88	11.81
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	59.30 3.48	12.24
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	67.86 4.15	13.21
33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 41 16 13)				
Note: Perforations are located in the bottom quarter points of the pipe.				
33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	27.96 1.54	6.27
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	35.59 2.04	7.60
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	44.77 2.55	9.65
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	49.20 2.64	11.40
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	56.69 3.31	11.81
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	64.34 3.99	12.24
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	73.73 4.73	13.21



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Subdrainage	33 41	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe (33 41 16 13)			
Note: Perforations are located in the bottom quarter points of the pipe.			
33 41 16 13-0102	LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe For Full Perforated, Add	28.65 1.61	6.27
33 41 16 13-0103	LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe For Full Perforated, Add	36.48 2.13	7.60
33 41 16 13-0104	LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe For Full Perforated, Add	45.90 2.66	9.65
33 41 16 13-0105	LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe For Full Perforated, Add	57.68 3.49	11.40
33 41 16 13-0106	LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe For Full Perforated, Add	67.24 4.36	11.81
33 41 16 13-0107	LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe For Full Perforated, Add	77.13 5.27	12.24
33 41 16 13-0108	LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe For Full Perforated, Add	88.64 6.22	13.21
33 41 16 13-0109 Prefabricated Composite Drains (33 41 16 13)			
33 41 16 13-0110 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 41 16 13-0109)			
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.			
33 41 16 13-0111	LF 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)..... For External Typar Geotextile Wrap, Add	11.73 2.17	2.40
33 41 16 13-0112	EA Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	53.45	
33 41 16 13-0113	EA End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	53.45	
33 41 16 13-0114	EA Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	103.77	
33 41 16 13-0115	EA End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	103.77	
33 41 16 13-0116	LF 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)..... For External Typar Geotextile Wrap, Add	18.78 3.26	3.00
33 41 16 13-0117	EA Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	79.28	
33 41 16 13-0118	EA End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	79.28	
33 41 16 13-0119	EA Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	136.42	
33 41 16 13-0120	EA End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	136.42	
33 41 19 Underslab Drainage (33 41)			
33 41 19 13 Underslab Drainage Piping (33 41 19)			
33 41 19 13-0001 Capillary Water Barrier Underslab Drainage (33 41 19 13)			
Note: Consists of a layer of fine granular material overlying a coarse layer.			
33 41 19 13-0002	CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	72.77	
33 41 19 13-0003	CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	69.98	
33 41 19 13-0004	CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	68.86	
33 41 19 13-0005	CY 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	67.20	
33 42 Stormwater Conveyance (33 40)			
Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.			
33 42 11 Stormwater Gravity Piping (33 42)			
33 42 11 00-0001 Reinforced Concrete Piping (33 42 11)			
Note: Includes detectable tracer wire.			
33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)			
33 42 11 00-0003	LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... For Class 4, Add For Class 5, Add For >1,000, Deduct	55.28 2.87 6.04 -2.76	17.56
33 42 11 00-0004	LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... For Class 4, Add For Class 5, Add For >1,000, Deduct	66.57 3.67 7.73 -3.33	19.54
33 42 11 00-0005	LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... For Class 4, Add For Class 5, Add For >1,000, Deduct	75.48 3.86 8.13 -3.77	24.37
33 42 11 00-0006	LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... For Class 4, Add For Class 5, Add For >1,000, Deduct	96.76 5.02 10.57 -4.84	30.74
33 42 11 00-0007	LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... For Class 4, Add For Class 5, Add For >1,000, Deduct	113.12 5.68 11.96 -5.66	37.32
33 42 11 00-0008	LF 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... For Class 4, Add For Class 5, Add For >1,000, Deduct	143.53 7.17 15.10 -7.18	47.64

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0009 LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	152.75	49.20
For Class 4, Add	7.76	
For Class 5, Add	16.33	
For >1,000, Deduct	-7.64	
33 42 11 00-0010 LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	189.77	55.91
For Class 4, Add	10.52	
For Class 5, Add	22.14	
For >1,000, Deduct	-9.49	
33 42 11 00-0011 LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	247.19	61.49
For Class 4, Add	15.22	
For Class 5, Add	32.04	
For >1,000, Deduct	-12.36	
33 42 11 00-0012 LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	296.55	68.49
For Class 4, Add	18.88	
For Class 5, Add	39.74	
For >1,000, Deduct	-14.83	
33 42 11 00-0013 LF 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	369.83	78.27
For Class 4, Add	24.51	
For Class 5, Add	51.60	
For >1,000, Deduct	-18.49	
33 42 11 00-0014 LF 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	447.02	90.79
For Class 4, Add	30.15	
For Class 5, Add	63.46	
For >1,000, Deduct	-22.35	
33 42 11 00-0015 LF 66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	693.62	100.63
For Class 4, Add	52.30	
For Class 5, Add	110.10	
For >1,000, Deduct	-34.68	
33 42 11 00-0016 LF 72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	810.07	109.57
For Class 4, Add	62.09	
For Class 5, Add	130.71	
For >1,000, Deduct	-40.50	
33 42 11 00-0017 LF 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	975.12	122.99
For Class 4, Add	75.91	
For Class 5, Add	159.80	
For >1,000, Deduct	-48.76	
33 42 11 00-0018 LF 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	1,258.60	136.97
For Class 4, Add	100.98	
For Class 5, Add	212.59	
For >1,000, Deduct	-62.93	
33 42 11 00-0019 LF 14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	134.29	32.41
For Class 4, Add	8.36	
For Class 5, Add	17.60	
For Horizontal Elliptical - II (HE- II), Add	8.80	
For Horizontal Elliptical - III (HE- III), Add	19.36	
For Horizontal Elliptical - IV (HE- IV), Add	42.24	
For >1,000, Deduct	-6.71	
33 42 11 00-0020 LF 19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	186.03	49.64
For Class 4, Add	10.94	
For Class 5, Add	23.02	
For Horizontal Elliptical - II (HE- II), Add	11.51	
For Horizontal Elliptical - III (HE- III), Add	25.33	
For Horizontal Elliptical - IV (HE- IV), Add	55.26	
For >1,000, Deduct	-9.30	
33 42 11 00-0021 LF 22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	219.21	63.36
For Class 4, Add	12.23	
For Class 5, Add	25.74	
For Horizontal Elliptical - II (HE- II), Add	12.87	
For Horizontal Elliptical - III (HE- III), Add	28.31	
For Horizontal Elliptical - IV (HE- IV), Add	61.77	
For >1,000, Deduct	-10.96	
33 42 11 00-0022 LF 24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	232.81	66.20
For Class 4, Add	13.13	
For Class 5, Add	27.65	
For Horizontal Elliptical - II (HE- II), Add	13.82	
For Horizontal Elliptical - III (HE- III), Add	30.41	
For Horizontal Elliptical - IV (HE- IV), Add	66.35	
For >1,000, Deduct	-11.64	
33 42 11 00-0023 LF 27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	267.95	69.90
For Class 4, Add	15.97	
For Class 5, Add	33.62	
For Horizontal Elliptical - II (HE- II), Add	16.81	
For Horizontal Elliptical - III (HE- III), Add	36.98	
For Horizontal Elliptical - IV (HE- IV), Add	80.68	
For >1,000, Deduct	-13.40	
33 42 11 00-0024 LF 29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	303.08	73.59
For Class 4, Add	18.81	
For Class 5, Add	39.59	
For Horizontal Elliptical - II (HE- II), Add	19.80	
For Horizontal Elliptical - III (HE- III), Add	43.55	
For Horizontal Elliptical - IV (HE- IV), Add	95.02	
For >1,000, Deduct	-15.15	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0025	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	370.34	80.98
		For Class 4, Add	24.19	
		For Class 5, Add	50.93	
		For Horizontal Elliptical - II (HE- II), Add	25.47	
		For Horizontal Elliptical - III (HE- III), Add	56.02	
		For Horizontal Elliptical - IV (HE- IV), Add	122.23	
		For >1,000, Deduct	-18.52	
33 42 11 00-0026	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	446.94	91.08
		For Class 4, Add	30.10	
		For Class 5, Add	63.36	
		For Horizontal Elliptical - II (HE- II), Add	31.68	
		For Horizontal Elliptical - III (HE- III), Add	69.70	
		For Horizontal Elliptical - IV (HE- IV), Add	152.07	
		For >1,000, Deduct	-22.35	
33 42 11 00-0027	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	508.73	104.09
		For Class 4, Add	34.20	
		For Class 5, Add	72.00	
		For Horizontal Elliptical - II (HE- II), Add	36.00	
		For Horizontal Elliptical - III (HE- III), Add	79.20	
		For Horizontal Elliptical - IV (HE- IV), Add	172.81	
		For >1,000, Deduct	-25.44	
33 42 11 00-0028	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	630.94	120.76
		For Class 4, Add	43.55	
		For Class 5, Add	91.69	
		For Horizontal Elliptical - II (HE- II), Add	45.84	
		For Horizontal Elliptical - III (HE- III), Add	100.86	
		For Horizontal Elliptical - IV (HE- IV), Add	220.05	
		For >1,000, Deduct	-31.55	
33 42 11 00-0029	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	720.65	133.06
		For Class 4, Add	50.41	
		For Class 5, Add	106.12	
		For >1,000, Deduct	-36.03	
33 42 11 00-0030	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	875.69	145.35
		For Class 4, Add	63.41	
		For Class 5, Add	133.50	
		For >1,000, Deduct	-43.78	
33 42 11 00-0031	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	1,047.21	164.36
		For Class 4, Add	77.23	
		For Class 5, Add	162.60	
		For >1,000, Deduct	-52.36	
33 42 11 00-0032	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	1,133.13	182.25
		For Class 4, Add	82.92	
		For Class 5, Add	174.58	
		For >1,000, Deduct	-56.66	
33 42 11 00-0033	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	1,455.94	191.20
		For Class 4, Add	112.35	
		For Class 5, Add	236.54	
		For >1,000, Deduct	-72.80	
33 42 11 00-0034	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,689.73	200.14
		For Class 4, Add	133.33	
		For Class 5, Add	280.69	
		For >1,000, Deduct	-84.49	
33 42 11 00-0035		Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0036	EA	12" Concrete Reducing Wye Without Gaskets	691.93	66.91
33 42 11 00-0037	EA	15" Concrete Reducing Wye Without Gaskets	829.59	81.55
33 42 11 00-0038	EA	18" Concrete Reducing Wye Without Gaskets	1,026.54	89.91
33 42 11 00-0039	EA	21" Concrete Reducing Wye Without Gaskets	1,177.08	110.82
33 42 11 00-0040	EA	24" Concrete Reducing Wye Without Gaskets	1,329.23	133.82
33 42 11 00-0041		Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0042	EA	12" Diameter Concrete Pipe Joint Gasket	6.70	
33 42 11 00-0043	EA	15" Diameter Concrete Pipe Joint Gasket	7.92	
33 42 11 00-0044	EA	18" Diameter Concrete Pipe Joint Gasket	9.18	
33 42 11 00-0045	EA	21" Diameter Concrete Pipe Joint Gasket	11.09	
33 42 11 00-0046	EA	24" Diameter Concrete Pipe Joint Gasket	12.99	
33 42 11 00-0047	EA	27" Diameter Concrete Pipe Joint Gasket	14.48	
33 42 11 00-0048	EA	30" Diameter Concrete Pipe Joint Gasket	15.91	
33 42 11 00-0049	EA	36" Diameter Concrete Pipe Joint Gasket	19.44	
33 42 11 00-0050	EA	42" Diameter Concrete Pipe Joint Gasket	22.53	
33 42 11 00-0051	EA	48" Diameter Concrete Pipe Joint Gasket	25.99	
33 42 11 00-0052	EA	54" Diameter Concrete Pipe Joint Gasket	31.86	
33 42 11 00-0053	EA	60" Diameter Concrete Pipe Joint Gasket	47.16	
33 42 11 00-0054	EA	66" Diameter Concrete Pipe Joint Gasket	49.02	
33 42 11 00-0055	EA	72" Diameter Concrete Pipe Joint Gasket	50.83	
33 42 11 00-0056	EA	78" Diameter Concrete Pipe Joint Gasket	58.54	
33 42 11 00-0057	EA	84" Diameter Concrete Pipe Joint Gasket	70.17	
33 42 11 00-0058		Couplings (33 42 11 00-0001)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

**33 42 11 00-0059 Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC)
Flexible Pipe Couplings** (33 42 11 00-0058)

Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.

33 42 11 00-0060	EA	4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	39.96	
33 42 11 00-0061	EA	4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	37.34	
33 42 11 00-0062	EA	6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	60.59	
33 42 11 00-0063	EA	6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	62.69	
33 42 11 00-0064	EA	6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	58.66	
33 42 11 00-0065	EA	8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	86.85	
33 42 11 00-0066	EA	8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	75.91	
33 42 11 00-0067	EA	10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	108.10	
33 42 11 00-0068	EA	10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	96.55	
33 42 11 00-0069	EA	12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	129.64	
33 42 11 00-0070	EA	12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	109.64	
33 42 11 00-0071	EA	15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	326.25	

33 42 11 00-0072 Precast Concrete Cut Off Wall (33 42 11 00-0001)

33 42 11 00-0073	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	287.78	196.78
33 42 11 00-0074	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	354.95	243.75
33 42 11 00-0075	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	440.00	308.60
33 42 11 00-0076	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	520.57	368.97
33 42 11 00-0077	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	598.80	427.00
33 42 11 00-0078	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	737.63	545.63
33 42 11 00-0079	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	963.75	751.36
33 42 11 00-0080	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,201.11	948.14
33 42 11 00-0081	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,482.61	1,189.42
33 42 11 00-0082	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,659.09	1,340.60
33 42 11 00-0083	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,852.15	1,502.72
33 42 11 00-0084	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,047.86	1,669.32
33 42 11 00-0085	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,127.96	1,733.04
33 42 11 00-0086	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,198.43	1,788.95
33 42 11 00-0087	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,268.90	1,844.86
33 42 11 00-0088	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,341.18	1,900.76

33 42 11 00-0089 Strap Assembly (33 42 11 00-0001)

Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.

33 42 11 00-0090	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	253.65	
33 42 11 00-0091	EA	>24" Diameter Pipe, 12' Strap Assembly	358.29	

33 42 11 00-0092 Prestressed Concrete Cylinder Piping (33 42 11)

Note: Includes detectable tracer wire.

33 42 11 00-0093 150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0092)

33 42 11 00-0094 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0093)

Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".

33 42 11 00-0095	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	155.17	17.56
		For 100 PSI, Deduct	-32.52	
		For >1,000, Deduct	-7.76	
33 42 11 00-0096	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	165.52	19.54
		For 100 PSI, Deduct	-34.40	
		For >1,000, Deduct	-8.28	
33 42 11 00-0097	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	179.95	24.37
		For 100 PSI, Deduct	-36.29	
		For >1,000, Deduct	-9.00	
33 42 11 00-0098	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	196.58	30.74
		For 100 PSI, Deduct	-38.17	
		For >1,000, Deduct	-9.83	
33 42 11 00-0099	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	213.52	37.32
		For 100 PSI, Deduct	-40.05	
		For >1,000, Deduct	-10.68	
33 42 11 00-0100	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	250.48	49.20
		For 100 PSI, Deduct	-44.84	
		For >1,000, Deduct	-12.52	
33 42 11 00-0101	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	277.59	55.91
		For 100 PSI, Deduct	-49.64	
		For >1,000, Deduct	-13.88	
33 42 11 00-0102	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	322.50	61.49
		For 100 PSI, Deduct	-58.88	
		For >1,000, Deduct	-16.13	
33 42 11 00-0103	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	370.32	68.49
		For 100 PSI, Deduct	-68.12	
		For >1,000, Deduct	-18.52	
33 42 11 00-0104	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	489.90	87.97
		For 100 PSI, Deduct	-91.06	
		For >1,000, Deduct	-24.50	
33 42 11 00-0105	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	590.80	102.05
		For 100 PSI, Deduct	-111.25	
		For >1,000, Deduct	-29.54	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0106	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	664.08 -125.80 -33.20	113.11
33 42 11 00-0107	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	740.77 -141.20 -37.04	123.17
33 42 11 00-0108	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	841.49 -160.89 -42.07	138.25
33 42 11 00-0109	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	942.21 -180.57 -47.11	153.96
33 42 11 00-0110	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	1,164.77 -226.78 -58.24	179.73
33 42 11 00-0111	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	1,371.49 -269.57 -68.57	205.24
33 42 11 00-0112	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	1,601.13 -320.92 -80.06	222.23
33 42 11 00-0113	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	1,809.06 -367.98 -90.45	235.99
33 42 11 00-0114	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	2,188.15 -457.84 -109.41	249.75
33 42 11 00-0115	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	2,548.45 -543.42 -127.42	262.35
33 42 11 00-0116	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	2,778.69 -596.48 -138.93	274.95
33 42 11 00-0117	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	3,012.34 -650.39 -150.62	287.54
33 42 11 00-0118	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	3,244.29 -703.88 -162.21	300.15
33 42 11 00-0119	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For 100 PSI, Deduct</i> <i>For >1,000, Deduct</i>	3,476.22 -757.36 -173.81	312.75
33 42 11 00-0120 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets ⁽³³				
^{42 11 00-0093}				
33 42 11 00-0121	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	503.90	164.66
33 42 11 00-0122	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	696.38	235.23
33 42 11 00-0123	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	894.28	313.64
33 42 11 00-0124	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,092.18	392.05
33 42 11 00-0125	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,324.56	487.19
33 42 11 00-0126	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,698.25	653.42
33 42 11 00-0127	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,112.72	782.67
33 42 11 00-0128	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,460.24	913.48
33 42 11 00-0129	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,768.30	1,043.18
33 42 11 00-0130	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,403.60	1,302.58
33 42 11 00-0131	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,434.68	1,759.55
33 42 11 00-0132	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,941.33	1,948.08
33 42 11 00-0133	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,447.98	2,136.59
33 42 11 00-0134	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,592.51	2,450.80
33 42 11 00-0135	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,730.11	2,765.01
33 42 11 00-0136	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,165.11	3,142.05
33 42 11 00-0137	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,593.17	3,519.10
33 42 11 00-0138	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,172.34	4,467.82
33 42 11 00-0139	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,684.26	5,361.39
33 42 11 00-0140	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,962.16	7,148.51
33 42 11 00-0141	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	28,155.49	8,935.64
33 42 11 00-0142	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	31,824.58	9,637.72
33 42 11 00-0143	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	35,498.38	10,339.81
33 42 11 00-0144	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	46,601.41	11,041.90
33 42 11 00-0145	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	42,922.01	11,743.98
33 42 11 00-0146 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets ⁽³³				
^{42 11 00-0093}				
33 42 11 00-0147	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	468.98	164.66
33 42 11 00-0148	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	651.20	235.23
33 42 11 00-0149	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	840.88	313.64
33 42 11 00-0150	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,030.56	392.05
33 42 11 00-0151	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,254.72	487.19
33 42 11 00-0152	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,602.41	609.51
33 42 11 00-0153	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,003.18	782.67
33 42 11 00-0154	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,333.59	913.48
33 42 11 00-0155	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,632.06	1,043.18

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0156 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,210.37	1,302.58
33 42 11 00-0157 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,250.27	1,759.55
33 42 11 00-0158 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,743.56	1,948.08
33 42 11 00-0159 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,236.85	2,136.59
33 42 11 00-0160 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,099.69	2,450.80
33 42 11 00-0161 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,955.60	2,765.01
33 42 11 00-0162 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,187.68	3,142.05
33 42 11 00-0163 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,412.81	3,519.10
33 42 11 00-0164 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	12,295.72	4,398.88
33 42 11 00-0165 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	15,387.14	5,361.39
33 42 11 00-0166 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	20,106.16	7,148.51
33 42 11 00-0167 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	24,740.60	8,935.64
33 42 11 00-0168 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	27,657.81	9,637.72
33 42 11 00-0169 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	30,579.73	11,743.98
33 42 11 00-0170 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	33,513.23	11,041.90
33 42 11 00-0171 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	36,791.86	11,743.98
 33 42 11 00-0172 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0092)		
33 42 11 00-0173 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0172)		
Note: AWWA C301		
33 42 11 00-0174 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	295.50	49.20
For >1,000, Deduct	-14.78	
33 42 11 00-0175 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	360.73	55.91
For >1,000, Deduct	-18.04	
33 42 11 00-0176 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	421.20	61.49
For >1,000, Deduct	-21.06	
 33 42 11 00-0177 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0172)		
Note: AWWA C301		
33 42 11 00-0178 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	568.58	68.43
For >1,000, Deduct	-28.43	
33 42 11 00-0179 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	680.19	87.97
For >1,000, Deduct	-34.01	
33 42 11 00-0180 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	784.09	102.05
For >1,000, Deduct	-39.20	
33 42 11 00-0181 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	882.94	113.11
For >1,000, Deduct	-44.15	
33 42 11 00-0182 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	1,070.63	123.17
For >1,000, Deduct	-53.53	
 33 42 11 00-0183 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0172)		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0184 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,005.34	
33 42 11 00-0185 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,153.88	
33 42 11 00-0186 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,228.15	
33 42 11 00-0187 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,525.24	
33 42 11 00-0188 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,599.51	
33 42 11 00-0189 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,748.05	
33 42 11 00-0190 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,822.32	
33 42 11 00-0191 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,896.60	
33 42 11 00-0192 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,713.58	
33 42 11 00-0193 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,713.58	
33 42 11 00-0194 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,233.49	
33 42 11 00-0195 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,233.49	
33 42 11 00-0196 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,530.57	
33 42 11 00-0197 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,530.57	
33 42 11 00-0198 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,901.93	
33 42 11 00-0199 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,901.93	
 33 42 11 00-0200 Quick Test Joints (33 42 11 00-0172)		
33 42 11 00-0201 EA 30" Quick Test Joint.....	636.58	
33 42 11 00-0202 EA 36" Quick Test Joint.....	642.17	
33 42 11 00-0203 EA 42" Quick Test Joint.....	647.76	
33 42 11 00-0204 EA 48" Quick Test Joint.....	660.89	
33 42 11 00-0205 EA 54" Quick Test Joint.....	690.38	
33 42 11 00-0206 EA 60" Quick Test Joint.....	715.50	
33 42 11 00-0207 EA 66" Quick Test Joint.....	753.17	
33 42 11 00-0208 EA 72" Quick Test Joint.....	790.84	
 33 42 11 00-0209 Harnessed Joints (33 42 11 00-0172)		
33 42 11 00-0210 Harness Clamp Restrained Joints (33 42 11 00-0209)		
33 42 11 00-0211 EA 30" Harness Clamp Restrained Joint.....	12,624.23	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0212	EA	36" Harness Clamp Restrained Joint.....	13,111.92	
33 42 11 00-0213	EA	42" Harness Clamp Restrained Joint.....	13,599.62	
33 42 11 00-0214	EA	48" Harness Clamp Restrained Joint.....	14,087.31	
33 42 11 00-0215	EA	54" Harness Clamp Restrained Joint.....	14,588.88	
33 42 11 00-0216	EA	60" Harness Clamp Restrained Joint.....	15,324.61	
33 42 11 00-0217	EA	66" Harness Clamp Restrained Joint.....	15,819.29	
33 42 11 00-0218	EA	72" Harness Clamp Restrained Joint.....	16,940.71	
33 42 11 00-0219		Snap Ring Restrained Joints (33 42 11 00-0209)		
33 42 11 00-0220	EA	30" Snap Ring Restrained Joint.....	2,017.88	
33 42 11 00-0221	EA	36" Snap Ring Restrained Joint.....	2,312.73	
33 42 11 00-0222	EA	42" Snap Ring Restrained Joint.....	3,137.90	
33 42 11 00-0223	EA	48" Snap Ring Restrained Joint.....	3,577.38	
33 42 11 00-0224	EA	54" Snap Ring Restrained Joint.....	4,030.75	
33 42 11 00-0225	EA	60" Snap Ring Restrained Joint.....	4,573.63	
33 42 11 00-0226	EA	66" Snap Ring Restrained Joint.....	5,068.31	
33 42 11 00-0227	EA	72" Snap Ring Restrained Joint.....	5,659.41	
33 42 11 00-0228		Pipe Repairs (33 42 11 00-0172) Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0229		Lined Cylinder Pipe Repair (33 42 11 00-0228)		
33 42 11 00-0230	EA	30" Lined Cylinder Pipe Repair.....	6,491.44	
33 42 11 00-0231	EA	36" Lined Cylinder Pipe Repair.....	8,040.17	
33 42 11 00-0232	EA	42" Lined Cylinder Pipe Repair.....	11,260.43	
33 42 11 00-0233		Embedded Cylinder Pipe Repair (33 42 11 00-0228) Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0234	EA	48" Embedded Cylinder Pipe Repair.....	16,925.43	
33 42 11 00-0235	EA	54" Embedded Cylinder Pipe Repair.....	19,677.38	
33 42 11 00-0236	EA	60" Embedded Cylinder Pipe Repair.....	22,447.93	
33 42 11 00-0237	EA	66" Embedded Cylinder Pipe Repair.....	25,364.35	
33 42 11 00-0238	EA	72" Embedded Cylinder Pipe Repair.....	30,577.29	
33 42 11 00-0239		High-Density Polyethylene (HDPE) Drainage Piping (33 42 11) Note: Includes detectable tracer wire.		
33 42 11 00-0240		Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0239) Note: Excludes couplings and gaskets.		
33 42 11 00-0241		Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0240)		
33 42 11 00-0242	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	16.43	7.23
		For <100, Add	2.89	
		For >1,000, Deduct	-1.55	
33 42 11 00-0243	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	21.80	8.41
		For <100, Add	3.36	
		For >1,000, Deduct	-1.93	
33 42 11 00-0244	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	27.03	9.78
		For <100, Add	3.91	
		For >1,000, Deduct	-2.33	
33 42 11 00-0245	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	31.01	10.13
		For <100, Add	4.05	
		For >1,000, Deduct	-2.56	
33 42 11 00-0246	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	32.65	10.49
		For <100, Add	4.19	
		For >1,000, Deduct	-2.68	
33 42 11 00-0247	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	37.37	10.85
		For <100, Add	4.34	
		For >1,000, Deduct	-2.95	
33 42 11 00-0248	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	45.87	11.25
		For <100, Add	4.50	
		For >1,000, Deduct	-3.42	
33 42 11 00-0249	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	63.57	13.18
		For <100, Add	5.27	
		For >1,000, Deduct	-4.50	
33 42 11 00-0250	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	90.47	17.75
		For <100, Add	7.10	
		For >1,000, Deduct	-6.30	
33 42 11 00-0251	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	119.19	22.42
		For <100, Add	8.97	
		For >1,000, Deduct	-8.20	
33 42 11 00-0252		Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0240)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0253 LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.19 For >1,000, Deduct -2.67	32.45	10.49
33 42 11 00-0254 LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.34 For >1,000, Deduct -3.00	38.20	10.85
33 42 11 00-0255 LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.50 For >1,000, Deduct -3.48	47.11	11.25
33 42 11 00-0256 LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 5.27 For >1,000, Deduct -4.59	65.53	13.18
33 42 11 00-0257 LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 7.10 For >1,000, Deduct -6.57	95.83	17.75
33 42 11 00-0258 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 8.97 For >1,000, Deduct -8.40	123.17	22.42
33 42 11 00-0259 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 9.78 For >1,000, Deduct -10.55	161.99	24.46
33 42 11 00-0260 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 11.04 For >1,000, Deduct -11.58	176.37	27.60
33 42 11 00-0261 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0239) Note: Excludes couplings and gaskets.		
33 42 11 00-0262 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0261)		
33 42 11 00-0263 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 2.89 For >1,000, Deduct -1.60	17.46	7.23
33 42 11 00-0264 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 3.36 For >1,000, Deduct -1.93	21.84	8.41
33 42 11 00-0265 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 3.91 For >1,000, Deduct -2.33	27.03	9.78
33 42 11 00-0266 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.05 For >1,000, Deduct -2.56	31.04	10.13
33 42 11 00-0267 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.19 For >1,000, Deduct -2.68	32.65	10.49
33 42 11 00-0268 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.34 For >1,000, Deduct -2.96	37.41	10.85
33 42 11 00-0269 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.50 For >1,000, Deduct -3.42	45.90	11.25
33 42 11 00-0270 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 5.27 For >1,000, Deduct -4.50	63.57	13.18
33 42 11 00-0271 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 7.10 For >1,000, Deduct -6.31	90.81	17.75
33 42 11 00-0272 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 8.97 For >1,000, Deduct -8.20	119.19	22.42
33 42 11 00-0273 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0261)		
33 42 11 00-0274 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.19 For >1,000, Deduct -2.67	32.48	10.49
33 42 11 00-0275 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.34 For >1,000, Deduct -3.00	38.23	10.85
33 42 11 00-0276 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 4.50 For >1,000, Deduct -3.48	47.14	11.25
33 42 11 00-0277 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 5.27 For >1,000, Deduct -4.59	65.53	13.18
33 42 11 00-0278 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add 7.10 For >1,000, Deduct -6.57	95.83	17.75



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0279	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	123.17		22.42
		For <100, Add For >1,000, Deduct	8.97 -8.40		
33 42 11 00-0280	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	161.99		24.46
		For <100, Add For >1,000, Deduct	9.78 -10.55		
33 42 11 00-0281	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	176.37		27.60
		For <100, Add For >1,000, Deduct	11.04 -11.58		
33 42 11 00-0282		Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0239) Note: Excludes couplings and gaskets.			
33 42 11 00-0283		Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0282)			
33 42 11 00-0284	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	55.28		25.93
33 42 11 00-0285	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	67.82		30.26
33 42 11 00-0286	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	100.97		36.75
33 42 11 00-0287	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	146.52		45.39
33 42 11 00-0288	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	218.81		54.04
33 42 11 00-0289	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	304.86		70.61
33 42 11 00-0290	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	433.89		95.10
33 42 11 00-0291	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	546.37		108.55
33 42 11 00-0292	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	910.02		125.37
33 42 11 00-0293	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,157.37		144.82
33 42 11 00-0294	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,878.79		172.91
33 42 11 00-0295	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	2,349.95		205.34
33 42 11 00-0296		Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0282)			
33 42 11 00-0297	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	72.52		25.93
33 42 11 00-0298	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	86.73		30.26
33 42 11 00-0299	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	112.91		36.75
33 42 11 00-0300	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	159.68		45.39
33 42 11 00-0301	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	261.17		54.04
33 42 11 00-0302	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	291.87		70.61
33 42 11 00-0303	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	408.61		95.10
33 42 11 00-0304		22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High- Density Polyethylene (HDPE) (33 42 11 00-0282)			
33 42 11 00-0305	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	34.68		17.30
33 42 11 00-0306	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	41.99		20.18
33 42 11 00-0307	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	57.75		24.50
33 42 11 00-0308	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	72.29		30.26
33 42 11 00-0309	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	99.30		36.03
33 42 11 00-0310	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	149.23		46.11
33 42 11 00-0311	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	199.41		63.41
33 42 11 00-0312	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	344.26		72.04
33 42 11 00-0313	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	466.64		83.57
33 42 11 00-0314	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	545.85		96.54
33 42 11 00-0315	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	691.85		115.28
33 42 11 00-0316	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	921.88		136.90
33 42 11 00-0317		45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0282)			
33 42 11 00-0318	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	36.57		17.30
33 42 11 00-0319	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	45.91		20.18
33 42 11 00-0320	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	59.76		24.50
33 42 11 00-0321	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	88.61		30.26
33 42 11 00-0322	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	99.30		36.03
33 42 11 00-0323	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	148.90		46.11
33 42 11 00-0324	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	225.72		63.41
33 42 11 00-0325	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	364.59		72.04
33 42 11 00-0326	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	467.60		83.57
33 42 11 00-0327	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	589.66		96.54
33 42 11 00-0328	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	860.95		115.28
33 42 11 00-0329	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,073.45		136.90
33 42 11 00-0330		Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0239) Note: For single and double wall high-density polyethylene (HDPE) piping.			

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0331		Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe (33 42 11 00-0330)	
33 42 11 00-0332	EA	4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.12
33 42 11 00-0333	EA	6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.02
33 42 11 00-0334	EA	8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	3.11
33 42 11 00-0335	EA	10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	3.82
33 42 11 00-0336	EA	12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	4.11
33 42 11 00-0337	EA	15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	5.85
33 42 11 00-0338	EA	18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.65
33 42 11 00-0339	EA	24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	13.78
33 42 11 00-0340	EA	30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	21.15
33 42 11 00-0341	EA	36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	27.68
33 42 11 00-0342	EA	42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	43.51
33 42 11 00-0343	EA	48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	58.85
33 42 11 00-0344		Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe (33 42 11 00-0330)	
33 42 11 00-0345	EA	4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	59.59
33 42 11 00-0346	EA	6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	62.39
33 42 11 00-0347	EA	8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	65.33
33 42 11 00-0348	EA	10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	68.40
33 42 11 00-0349	EA	12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	81.13
33 42 11 00-0350	EA	15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	83.76
33 42 11 00-0351	EA	18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	87.36
33 42 11 00-0352	EA	24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	99.51
33 42 11 00-0353	EA	30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	159.52
33 42 11 00-0354	EA	36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	174.73
33 42 11 00-0355	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	190.38
33 42 11 00-0356	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	231.22
33 42 11 00-0357		End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe (33 42 11 00-0330)	
33 42 11 00-0358	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	35.06
33 42 11 00-0359	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	41.10
33 42 11 00-0360	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	66.27
33 42 11 00-0361	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	112.35
33 42 11 00-0362	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	130.66
33 42 11 00-0363	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	176.44
33 42 11 00-0364	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	182.92
33 42 11 00-0365		Vitrified Clay Piping (33 42 11)	
33 42 11 00-0366		Extra Strength Vitrified Clay Piping (33 42 11 00-0365)	
33 42 11 00-0367		Plain Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0365)	
		Note: ASTM C700.	
33 42 11 00-0368	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	23.03
		For 3' Lengths, Add	2.03
		For 2' Lengths, Add	2.70
		For Standard Strength, Deduct	-0.68
		For >1,000, Deduct	-1.15
33 42 11 00-0369	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	38.22
		For 3' Lengths, Add	3.14
		For 2' Lengths, Add	4.19
		For Standard Strength, Deduct	-1.05
		For >1,000, Deduct	-1.91
33 42 11 00-0370	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	45.81
		For 3' Lengths, Add	4.49
		For 2' Lengths, Add	5.99
		For Standard Strength, Deduct	-1.50
		For >1,000, Deduct	-2.29
33 42 11 00-0371	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	55.17
		For 3' Lengths, Add	6.88
		For 2' Lengths, Add	9.18
		For Standard Strength, Deduct	-2.29
		For >1,000, Deduct	-2.76
33 42 11 00-0372	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	67.54
		For 3' Lengths, Add	9.72
		For 2' Lengths, Add	12.96
		For Standard Strength, Deduct	-3.24
		For >1,000, Deduct	-3.38
33 42 11 00-0373	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	99.86
		For 3' Lengths, Add	18.22
		For 2' Lengths, Add	24.30
		For Standard Strength, Deduct	-6.07
		For >1,000, Deduct	-4.99
33 42 11 00-0374	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	135.83
		For 3' Lengths, Add	26.12
		For 2' Lengths, Add	34.82
		For Standard Strength, Deduct	-8.71
		For >1,000, Deduct	-6.79



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0375	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	200.99	
		For 3' Lengths, Add	41.84	
		For 2' Lengths, Add	55.79	
		For Standard Strength, Deduct	-13.95	
		For >1,000, Deduct	-10.05	
33 42 11 00-0376	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	256.92	
		For 3' Lengths, Add	54.66	
		For 2' Lengths, Add	72.88	
		For Standard Strength, Deduct	-18.22	
		For >1,000, Deduct	-12.85	
33 42 11 00-0377	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	317.92	
		For 3' Lengths, Add	68.16	
		For 2' Lengths, Add	90.88	
		For Standard Strength, Deduct	-22.72	
		For >1,000, Deduct	-15.90	
33 42 11 00-0378	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	384.59	
		For 3' Lengths, Add	82.33	
		For 2' Lengths, Add	109.78	
		For Standard Strength, Deduct	-27.44	
		For >1,000, Deduct	-19.23	
33 42 11 00-0379 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0366)				
Note: ASTM C425.				
33 42 11 00-0380	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	32.62	
		For 3' Lengths, Add	2.39	
		For 2' Lengths, Add	3.18	
		For Standard Strength, Deduct	-0.80	
		For >1,000, Deduct	-1.63	
33 42 11 00-0381	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	40.74	
		For 3' Lengths, Add	3.90	
		For 2' Lengths, Add	5.20	
		For Standard Strength, Deduct	-1.30	
		For >1,000, Deduct	-2.04	
33 42 11 00-0382	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	49.19	
		For 3' Lengths, Add	5.51	
		For 2' Lengths, Add	7.34	
		For Standard Strength, Deduct	-1.84	
		For >1,000, Deduct	-2.46	
33 42 11 00-0383	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	62.37	
		For 3' Lengths, Add	9.04	
		For 2' Lengths, Add	12.06	
		For Standard Strength, Deduct	-3.01	
		For >1,000, Deduct	-3.12	
33 42 11 00-0384	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	74.74	
		For 3' Lengths, Add	11.88	
		For 2' Lengths, Add	15.84	
		For Standard Strength, Deduct	-3.96	
		For >1,000, Deduct	-3.74	
33 42 11 00-0385	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	111.33	
		For 3' Lengths, Add	21.66	
		For 2' Lengths, Add	28.88	
		For Standard Strength, Deduct	-7.22	
		For >1,000, Deduct	-5.57	
33 42 11 00-0386	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	154.51	
		For 3' Lengths, Add	31.72	
		For 2' Lengths, Add	42.29	
		For Standard Strength, Deduct	-10.57	
		For >1,000, Deduct	-7.73	
33 42 11 00-0387	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	222.36	
		For 3' Lengths, Add	48.25	
		For 2' Lengths, Add	64.34	
		For Standard Strength, Deduct	-16.08	
		For >1,000, Deduct	-11.12	
33 42 11 00-0388	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	290.66	
		For 3' Lengths, Add	64.79	
		For 2' Lengths, Add	86.38	
		For Standard Strength, Deduct	-21.60	
		For >1,000, Deduct	-14.53	
33 42 11 00-0389	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	466.38	
		For 3' Lengths, Add	112.70	
		For 2' Lengths, Add	150.26	
		For Standard Strength, Deduct	-37.57	
		For >1,000, Deduct	-23.32	
33 42 11 00-0390	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	663.52	
		For 3' Lengths, Add	166.01	
		For 2' Lengths, Add	221.35	
		For Standard Strength, Deduct	-55.34	
		For >1,000, Deduct	-33.18	
33 42 11 00-0391 Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0365)				
33 42 11 00-0392 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0391)				
33 42 11 00-0393 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0392)				

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0394 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	97.00	
33 42 11 00-0395 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	131.23	
33 42 11 00-0396 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	188.06	
33 42 11 00-0397 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	259.34	
33 42 11 00-0398 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	343.09	
33 42 11 00-0399 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	822.70	
33 42 11 00-0400 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,160.83	
33 42 11 00-0401 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,812.26	
33 42 11 00-0402 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,091.34	
33 42 11 00-0403 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,428.08	
33 42 11 00-0404 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,645.26	
33 42 11 00-0405 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0392)		
33 42 11 00-0406 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	109.53	
33 42 11 00-0407 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	156.18	
33 42 11 00-0408 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	212.01	
33 42 11 00-0409 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	285.06	
33 42 11 00-0410 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	362.22	
33 42 11 00-0411 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	922.68	
33 42 11 00-0412 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,343.01	
33 42 11 00-0413 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,379.71	
33 42 11 00-0414 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,678.67	
33 42 11 00-0415 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,982.35	
33 42 11 00-0416 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,431.95	
33 42 11 00-0417 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0391)		
33 42 11 00-0418 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0417)		
33 42 11 00-0419 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	113.28	
33 42 11 00-0420 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	150.83	
33 42 11 00-0421 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	211.00	
33 42 11 00-0422 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	284.30	
33 42 11 00-0423 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	371.21	
33 42 11 00-0424 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	853.98	
33 42 11 00-0425 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,199.85	
33 42 11 00-0426 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,861.48	
33 42 11 00-0427 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,151.10	
33 42 11 00-0428 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,502.61	
33 42 11 00-0429 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,728.11	
33 42 11 00-0430 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0417)		
33 42 11 00-0431 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	129.07	
33 42 11 00-0432 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	179.71	
33 42 11 00-0433 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	239.54	
33 42 11 00-0434 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	315.01	
33 42 11 00-0435 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	395.96	
33 42 11 00-0436 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	960.22	
33 42 11 00-0437 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,389.84	
33 42 11 00-0438 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,699.76	
33 42 11 00-0439 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,750.39	
33 42 11 00-0440 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,071.78	
33 42 11 00-0441 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,531.38	
33 42 11 00-0442 Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0391)		
33 42 11 00-0443 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0442)		
33 42 11 00-0444 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	124.19	
33 42 11 00-0445 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	162.36	
33 42 11 00-0446 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	221.15	
33 42 11 00-0447 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	293.38	
33 42 11 00-0448 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	371.31	
33 42 11 00-0449 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	861.83	
33 42 11 00-0450 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,206.62	
33 42 11 00-0451 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,744.24	
33 42 11 00-0452 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,428.30	
33 42 11 00-0453 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,568.67	
33 42 11 00-0454 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,697.20	
33 42 11 00-0455 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0442)		
33 42 11 00-0456 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	151.78	
33 42 11 00-0457 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	208.59	
33 42 11 00-0458 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	275.14	
33 42 11 00-0459 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	357.16	
33 42 11 00-0460 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	446.03	
33 42 11 00-0461 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,048.40	
33 42 11 00-0462 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,511.82	



		Utilities	33	33
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0463	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,245.73	
33 42 11 00-0464	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,976.07	
33 42 11 00-0465	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,441.75	
33 42 11 00-0466	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	4,889.14	
33 42 11 00-0467		Vitrified Clay Couplings (33 42 11 00-0365)		
33 42 11 00-0468		Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 42 11 00-0467)		
Note: Stainless steel tightening band at each end (Fernco #1002)				
33 42 11 00-0469	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	37.66	
33 42 11 00-0470	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	37.34	
33 42 11 00-0471	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	50.13	
33 42 11 00-0472	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	47.56	
33 42 11 00-0473	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	60.59	
33 42 11 00-0474	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	62.82	
33 42 11 00-0475	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	57.89	
33 42 11 00-0476	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	81.54	
33 42 11 00-0477	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	75.91	
33 42 11 00-0478	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	105.26	
33 42 11 00-0479	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	96.55	
33 42 11 00-0480	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	129.64	
33 42 11 00-0481	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	109.64	
33 42 11 00-0482	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	214.66	
33 42 11 00-0483	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	166.99	
33 42 11 00-0484		Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings (33 42 11 00-0467)		
Note: Stainless steel tightening band at each end. (NDS Non-shear)				
33 42 11 00-0485	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	77.49	
33 42 11 00-0486	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	103.04	
33 42 11 00-0487	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	108.89	
33 42 11 00-0488	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	114.15	
33 42 11 00-0489	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	140.73	
33 42 11 00-0490	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	163.15	
33 42 11 00-0491		Vitrified Clay To Plastic Pipe Non-Shear Couplings (33 42 11 00-0467)		
Note: Stainless steel tightening band at each end. (NDS Non-shear)				
33 42 11 00-0492	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	79.45	
33 42 11 00-0493	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	105.00	
33 42 11 00-0494	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	96.28	
33 42 11 00-0495	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	125.88	
33 42 11 00-0496	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	181.78	
33 42 11 00-0497	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	205.31	
33 42 11 00-0498		Corrugated Metal Piping (33 42 11)		
33 42 11 00-0499		Galvanized Corrugated Steel Piping (33 42 11 00-0498)		
33 42 11 00-0500		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0499)		
33 42 11 00-0501		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0500)		
33 42 11 00-0502	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	43.37	10.98
		For Bituminous Coated Pipe, Add	4.98	
		For Bituminous Coated And 25% Paved, Add	10.18	
		For Smooth-Flo, Add	18.18	
33 42 11 00-0503	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	49.49	11.50
		For Bituminous Coated Pipe, Add	6.26	
		For Bituminous Coated And 25% Paved, Add	12.81	
		For Smooth-Flo, Add	22.88	
33 42 11 00-0504	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	55.83	12.55
		For Bituminous Coated Pipe, Add	7.59	
		For Bituminous Coated And 25% Paved, Add	15.52	
		For Smooth-Flo, Add	27.71	
33 42 11 00-0505	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	63.92	13.59
		For Bituminous Coated Pipe, Add	9.08	
		For Bituminous Coated And 25% Paved, Add	18.56	
		For Smooth-Flo, Add	33.15	
33 42 11 00-0506	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	70.88	14.64
		For Bituminous Coated Pipe, Add	10.21	
		For Bituminous Coated And 25% Paved, Add	20.89	
		For Smooth-Flo, Add	37.30	
33 42 11 00-0507	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	93.35	18.81
		For Bituminous Coated Pipe, Add	13.25	
		For Bituminous Coated And 25% Paved, Add	27.10	
		For Smooth-Flo, Add	48.40	
33 42 11 00-0508	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	121.23	24.60
		For Bituminous Coated Pipe, Add	16.71	
		For Bituminous Coated And 25% Paved, Add	34.18	
		For Smooth-Flo, Add	61.05	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0509	LF	42"	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	138.65 19.78 40.45 72.24	29.07
33 42 11 00-0510	LF	48"	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	155.75 22.15 45.31 80.91	33.54
33 42 11 00-0511 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾					
33 42 11 00-0512	LF	12"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	47.81 5.05 11.70 23.65	10.98
33 42 11 00-0513	LF	15"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	54.96 6.33 14.67 29.66	11.50
33 42 11 00-0514	LF	18"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	62.45 7.67 17.77 35.92	12.55
33 42 11 00-0515	LF	21"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	71.57 9.12 21.13 42.71	13.59
33 42 11 00-0516	LF	24"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	79.77 10.32 23.91 48.33	14.64
33 42 11 00-0517	LF	30"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	104.20 13.25 30.70 62.06	18.81
33 42 11 00-0518	LF	36"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	134.40 16.61 38.48 77.79	24.60
33 42 11 00-0519	LF	42"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	153.73 19.55 45.30 91.57	29.07
33 42 11 00-0520	LF	48"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	173.01 21.98 50.91 102.92	33.54
33 42 11 00-0521	LF	54"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	207.45 27.03 62.61 126.57	38.02
33 42 11 00-0522 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾					
33 42 11 00-0523	LF	18"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	76.14 8.78 15.86 30.48	12.55
33 42 11 00-0524	LF	21"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	87.48 10.38 18.75 36.03	13.59
33 42 11 00-0525	LF	24"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	97.90 11.77 21.25 40.84	13.59
33 42 11 00-0526	LF	30"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	126.62 14.96 27.02 51.93	18.81
33 42 11 00-0527	LF	36"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	161.01 18.50 33.41 64.22	24.60
33 42 11 00-0528	LF	42"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	184.47 21.68 39.15 75.25	29.07
33 42 11 00-0529	LF	48"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	208.23 24.48 44.21 84.97	33.54



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0530	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.34 29.36 53.01 101.88	38.02
33 42 11 00-0531	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	269.39 32.15 58.06 111.57	40.25
33 42 11 00-0532	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	326.55 39.14 70.68 135.84	49.20
33 42 11 00-0533		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping^(33 42 11 00-0500)		
33 42 11 00-0534	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	185.90 23.54 39.32 56.10	24.60
33 42 11 00-0535	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	213.60 27.57 46.06 65.72	29.07
33 42 11 00-0536	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	241.29 31.16 52.06 74.28	33.54
33 42 11 00-0537	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	283.38 36.91 61.66 87.98	38.02
33 42 11 00-0538	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	310.61 40.54 67.72 96.62	40.25
33 42 11 00-0539	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	371.85 48.49 81.01 115.58	49.20
33 42 11 00-0540	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	438.14 52.07 86.97 124.10	71.56
33 42 11 00-0541		3" x 1" Corrugation, Galvanized Corrugated Steel Piping^(33 42 11 00-0499)		
33 42 11 00-0542		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping^(33 42 11 00-0541)		
33 42 11 00-0543	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	144.06 18.38 41.72 83.07	24.60
33 42 11 00-0544	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	164.84 21.58 48.99 97.55	29.07
33 42 11 00-0545	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	185.25 24.21 54.95 109.41	33.54
33 42 11 00-0546	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	221.50 29.57 67.12 133.65	38.02
33 42 11 00-0547	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	241.34 32.21 73.12 145.60	40.25
33 42 11 00-0548	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	303.20 41.38 93.92 187.02	49.20
33 42 11 00-0549	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	362.83 44.10 100.12 199.35	71.56
33 42 11 00-0550	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	390.73 46.84 106.33 211.72	78.27
33 42 11 00-0551	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	415.61 49.58 112.54 224.09	83.86

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0552 LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	440.53	89.45
For Bituminous Coated Pipe, Add	52.33	
For Bituminous Coated And 25% Paved, Add	118.78	
For Smooth-Flo, Add	236.51	
33 42 11 00-0553 LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	466.16	95.04
For Bituminous Coated Pipe, Add	55.05	
For Bituminous Coated And 25% Paved, Add	124.97	
For Smooth-Flo, Add	248.84	
33 42 11 00-0554 LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	495.02	100.63
For Bituminous Coated Pipe, Add	57.81	
For Bituminous Coated And 25% Paved, Add	131.23	
For Smooth-Flo, Add	261.31	
33 42 11 00-0555 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0541)		
33 42 11 00-0556 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	244.79	38.02
For Bituminous Coated Pipe, Add	34.23	
For Bituminous Coated And 25% Paved, Add	67.08	
For Smooth-Flo, Add	135.53	
33 42 11 00-0557 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	267.12	40.25
For Bituminous Coated Pipe, Add	37.37	
For Bituminous Coated And 25% Paved, Add	73.24	
For Smooth-Flo, Add	147.98	
33 42 11 00-0558 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	331.56	49.20
For Bituminous Coated Pipe, Add	47.05	
For Bituminous Coated And 25% Paved, Add	92.21	
For Smooth-Flo, Add	186.31	
33 42 11 00-0559 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	393.71	71.56
For Bituminous Coated Pipe, Add	50.28	
For Bituminous Coated And 25% Paved, Add	98.55	
For Smooth-Flo, Add	199.11	
33 42 11 00-0560 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	424.10	78.27
For Bituminous Coated Pipe, Add	53.51	
For Bituminous Coated And 25% Paved, Add	104.89	
For Smooth-Flo, Add	211.92	
33 42 11 00-0561 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	451.62	83.86
For Bituminous Coated Pipe, Add	56.78	
For Bituminous Coated And 25% Paved, Add	111.29	
For Smooth-Flo, Add	224.85	
33 42 11 00-0562 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	478.96	89.45
For Bituminous Coated Pipe, Add	60.01	
For Bituminous Coated And 25% Paved, Add	117.62	
For Smooth-Flo, Add	237.65	
33 42 11 00-0563 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	507.12	95.04
For Bituminous Coated Pipe, Add	63.25	
For Bituminous Coated And 25% Paved, Add	123.96	
For Smooth-Flo, Add	250.45	
33 42 11 00-0564 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	538.46	100.63
For Bituminous Coated Pipe, Add	66.50	
For Bituminous Coated And 25% Paved, Add	130.34	
For Smooth-Flo, Add	263.34	
33 42 11 00-0565 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	572.39	111.81
For Bituminous Coated Pipe, Add	69.75	
For Bituminous Coated And 25% Paved, Add	136.72	
For Smooth-Flo, Add	276.23	
33 42 11 00-0566 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	605.56	122.99
For Bituminous Coated Pipe, Add	72.95	
For Bituminous Coated And 25% Paved, Add	142.98	
For Smooth-Flo, Add	288.87	
33 42 11 00-0567 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0541)		
33 42 11 00-0568 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	324.30	40.25
For Bituminous Coated Pipe, Add	48.80	
For Bituminous Coated And 25% Paved, Add	92.97	
For Smooth-Flo, Add	151.54	
33 42 11 00-0569 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	394.89	49.20
For Bituminous Coated Pipe, Add	59.71	
For Bituminous Coated And 25% Paved, Add	113.76	
For Smooth-Flo, Add	185.41	
33 42 11 00-0570 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	462.57	71.56
For Bituminous Coated Pipe, Add	64.05	
For Bituminous Coated And 25% Paved, Add	122.02	
For Smooth-Flo, Add	198.88	
33 42 11 00-0571 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	498.54	78.27
For Bituminous Coated Pipe, Add	68.40	
For Bituminous Coated And 25% Paved, Add	130.31	
For Smooth-Flo, Add	212.39	
33 42 11 00-0572 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	531.58	83.86
For Bituminous Coated Pipe, Add	72.77	
For Bituminous Coated And 25% Paved, Add	138.63	
For Smooth-Flo, Add	225.96	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0573	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	564.50 77.12 146.91 239.46	89.45
33 42 11 00-0574	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	598.29 81.48 155.22 253.00	95.04
33 42 11 00-0575	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	635.21 85.85 163.54 266.56	100.63
33 42 11 00-0576	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	674.62 90.20 171.83 280.07	111.81
33 42 11 00-0577	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	713.41 94.52 180.06 293.48	122.99
33 42 11 00-0578	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	751.05 98.89 188.38 307.05	134.17
33 42 11 00-0579		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0541)		
33 42 11 00-0580	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	526.78 76.89 146.10 195.31	71.56
33 42 11 00-0581	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	568.01 82.30 156.36 209.03	78.27
33 42 11 00-0582	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	606.32 87.72 166.67 222.81	83.86
33 42 11 00-0583	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	644.52 93.12 176.94 236.53	89.45
33 42 11 00-0584	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	683.58 98.54 187.22 250.29	95.04
33 42 11 00-0585	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	725.76 103.96 197.52 264.06	100.63
33 42 11 00-0586	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	770.44 109.36 207.79 277.78	111.81
33 42 11 00-0587	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	814.45 114.73 217.98 291.40	122.99
33 42 11 00-0588	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	857.41 120.16 228.30 305.21	134.17
33 42 11 00-0589	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	902.33 125.54 238.53 318.88	145.35
33 42 11 00-0590	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	950.18 130.97 248.84 332.65	156.53
33 42 11 00-0591	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	1,001.45 136.40 259.16 346.46	167.72
33 42 11 00-0592		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0499)		
33 42 11 00-0593		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0592)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0594 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	185.92 30.43 69.37 110.14	33.54
33 42 11 00-0595 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	222.79 37.28 85.00 134.96	38.02
33 42 11 00-0596 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	242.48 40.55 92.45 146.79	40.25
33 42 11 00-0597 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	300.51 51.05 116.39 184.79	49.20
33 42 11 00-0598 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	359.83 54.38 123.99 196.86	71.56
33 42 11 00-0599 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	387.32 57.70 131.55 208.86	78.27
33 42 11 00-0600 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	411.74 61.01 139.09 220.84	83.86
33 42 11 00-0601 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	436.09 64.30 146.60 232.76	89.45
33 42 11 00-0602 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	461.46 67.64 154.22 244.87	95.04
33 42 11 00-0603 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	490.22 71.07 162.03 257.26	100.63
33 42 11 00-0604 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0592)		
33 42 11 00-0605 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	251.92 35.65 83.78 151.70	38.02
33 42 11 00-0606 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	274.86 38.92 91.45 165.59	40.25
33 42 11 00-0607 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	335.84 47.90 112.57 203.83	49.20
33 42 11 00-0608 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	398.00 51.14 120.17 217.59	71.56
33 42 11 00-0609 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	428.96 54.49 128.04 231.84	78.27
33 42 11 00-0610 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	456.63 57.78 135.79 245.86	83.86
33 42 11 00-0611 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	482.58 60.74 142.73 258.43	89.45
33 42 11 00-0612 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	512.65 64.35 151.23 273.82	95.04
33 42 11 00-0613 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	544.15 67.64 158.95 287.80	100.63
33 42 11 00-0614 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	578.08 70.89 166.60 301.65	111.81



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
33 42 11 00-0615	LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	611.96 74.23 174.44 315.84		122.99
33 42 11 00-0616	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0592)			
33 42 11 00-0617	LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	335.51 51.05 96.99 175.09		40.25
33 42 11 00-0618	LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	402.63 61.26 116.40 210.13		49.20
33 42 11 00-0619	LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	471.15 65.77 124.96 225.58		71.56
33 42 11 00-0620	LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	507.73 70.24 133.46 240.92		78.27
33 42 11 00-0621	LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	541.08 74.67 141.88 256.12		83.86
33 42 11 00-0622	LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	574.73 79.17 150.42 271.54		89.45
33 42 11 00-0623	LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	609.04 83.63 158.90 286.85		95.04
33 42 11 00-0624	LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	646.37 88.08 167.36 302.12		100.63
33 42 11 00-0625	LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	686.50 92.58 175.89 317.54		111.81
33 42 11 00-0626	LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	726.02 97.04 184.38 332.85		122.99
33 42 11 00-0627	LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	764.12 101.50 192.85 348.15		134.17
33 42 11 00-0628	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0592)			
33 42 11 00-0629	LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	541.19 79.78 151.57 238.13		71.56
33 42 11 00-0630	LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	584.29 85.55 162.55 255.37		78.27
33 42 11 00-0631	LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	623.73 91.20 173.28 272.24		83.86
33 42 11 00-0632	LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	662.91 96.80 183.92 288.95		89.45
33 42 11 00-0633	LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	703.20 102.46 194.68 305.85		95.04
33 42 11 00-0634	LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	746.32 108.07 205.34 322.59		100.63
33 42 11 00-0635	LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	792.24 113.72 216.08 339.47		111.81

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0636 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	837.64	122.99
For Bituminous Coated Pipe, Add	119.36	
For Bituminous Coated And 25% Paved, Add	226.79	
For Smooth-Flo, Add	356.30	
33 42 11 00-0637 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	881.48	134.17
For Bituminous Coated Pipe, Add	124.97	
For Bituminous Coated And 25% Paved, Add	237.45	
For Smooth-Flo, Add	373.05	
33 42 11 00-0638 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	936.53	145.35
For Bituminous Coated Pipe, Add	132.38	
For Bituminous Coated And 25% Paved, Add	251.53	
For Smooth-Flo, Add	395.16	
33 42 11 00-0639 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	987.79	156.53
For Bituminous Coated Pipe, Add	138.49	
For Bituminous Coated And 25% Paved, Add	263.13	
For Smooth-Flo, Add	413.39	
33 42 11 00-0640 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	1,043.60	167.72
For Bituminous Coated Pipe, Add	144.83	
For Bituminous Coated And 25% Paved, Add	275.18	
For Smooth-Flo, Add	432.32	
33 42 11 00-0641 Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0499)		
33 42 11 00-0642 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0641)		
33 42 11 00-0643 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	64.72	12.55
For Bituminous Coated Pipe, Add	9.38	
33 42 11 00-0644 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	74.36	13.59
For Bituminous Coated Pipe, Add	11.17	
33 42 11 00-0645 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	83.12	14.64
For Bituminous Coated Pipe, Add	12.68	
33 42 11 00-0646 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	108.75	18.81
For Bituminous Coated Pipe, Add	16.34	
33 42 11 00-0647 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	140.09	24.60
For Bituminous Coated Pipe, Add	20.49	
33 42 11 00-0648 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	160.60	29.07
For Bituminous Coated Pipe, Add	24.16	
33 42 11 00-0649 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	180.91	33.54
For Bituminous Coated Pipe, Add	27.19	
33 42 11 00-0650 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	216.59	38.02
For Bituminous Coated Pipe, Add	33.30	
33 42 11 00-0651 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	236.33	40.25
For Bituminous Coated Pipe, Add	36.36	
33 42 11 00-0652 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0641)		
33 42 11 00-0653 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	71.43	12.55
For Bituminous Coated Pipe, Add	10.85	
33 42 11 00-0654 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	82.21	13.59
For Bituminous Coated Pipe, Add	12.89	
33 42 11 00-0655 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	92.06	14.64
For Bituminous Coated Pipe, Add	14.64	
33 42 11 00-0656 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	119.85	18.81
For Bituminous Coated Pipe, Add	18.77	
33 42 11 00-0657 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	153.47	24.60
For Bituminous Coated Pipe, Add	23.40	
33 42 11 00-0658 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	176.25	29.07
For Bituminous Coated Pipe, Add	27.56	
33 42 11 00-0659 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	198.78	33.54
For Bituminous Coated Pipe, Add	31.08	
33 42 11 00-0660 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	236.68	38.02
For Bituminous Coated Pipe, Add	37.66	
33 42 11 00-0661 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	258.70	40.25
For Bituminous Coated Pipe, Add	41.22	
33 42 11 00-0662 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	317.97	49.20
For Bituminous Coated Pipe, Add	51.20	
33 42 11 00-0663 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	379.15	71.56
For Bituminous Coated Pipe, Add	54.71	
33 42 11 00-0664 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	408.81	78.27
For Bituminous Coated Pipe, Add	58.28	
33 42 11 00-0665 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0641)		
33 42 11 00-0666 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	142.37	18.81
For Bituminous Coated Pipe, Add	19.61	
33 42 11 00-0667 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	180.38	24.60
For Bituminous Coated Pipe, Add	24.23	
33 42 11 00-0668 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	207.76	29.07
For Bituminous Coated Pipe, Add	28.51	
33 42 11 00-0669 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	234.73	33.54
For Bituminous Coated Pipe, Add	32.23	
33 42 11 00-0670 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	277.18	38.02
For Bituminous Coated Pipe, Add	38.47	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0671	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	303.74 42.23	40.25
33 42 11 00-0672	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	367.41 51.24	49.20
33 42 11 00-0673	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	433.02 54.94	71.56
33 42 11 00-0674	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	467.13 58.70	78.27
33 42 11 00-0675	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	498.11 62.44	83.86
33 42 11 00-0676	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	529.02 66.17	89.45
33 42 11 00-0677	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	560.74 69.90	95.04
33 42 11 00-0678	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	593.37 73.22	100.63
33 42 11 00-0679		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0499)		
33 42 11 00-0680		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0679)		
33 42 11 00-0681	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.33 2.40	6.27
33 42 11 00-0682	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	24.33 2.89	6.27
33 42 11 00-0683	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	28.14 3.17	7.85
33 42 11 00-0684	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	30.68 3.79	7.85
33 42 11 00-0685	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	35.56 3.98	9.41
33 42 11 00-0686	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	38.78 4.77	9.41
33 42 11 00-0687		Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0679)		
33 42 11 00-0688	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.61 2.36	6.27
33 42 11 00-0689	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	24.54 2.82	6.27
33 42 11 00-0690	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	28.42 3.11	7.85
33 42 11 00-0691	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	31.11 3.74	7.85
33 42 11 00-0692	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	36.04 3.93	9.41
33 42 11 00-0693	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	39.34 4.71	9.41
33 42 11 00-0694		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0679)		
33 42 11 00-0695	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	14.80 3.33	
33 42 11 00-0696	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.59 4.41	
33 42 11 00-0697	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	24.02 5.40	
33 42 11 00-0698	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	53.37 7.37	
33 42 11 00-0699	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.66 1.68	
33 42 11 00-0700	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.71 2.52	
33 42 11 00-0701		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0499)		
33 42 11 00-0702		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0701)		
33 42 11 00-0703	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	72.74	10.98
33 42 11 00-0704	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	86.51	11.50
33 42 11 00-0705	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	100.72	12.55
33 42 11 00-0706	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	117.56	13.59
33 42 11 00-0707	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	131.33	14.64
33 42 11 00-0708	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	171.65	18.81
33 42 11 00-0709	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	220.11	24.60
33 42 11 00-0710	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	255.60	29.07
33 42 11 00-0711	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	286.79	33.54
33 42 11 00-0712		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0701)		
33 42 11 00-0713	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	83.55	10.98

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0714 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	99.90	11.50
33 42 11 00-0715 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	116.76	12.55
33 42 11 00-0716 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	136.14	13.59
33 42 11 00-0717 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	152.90	14.64
33 42 11 00-0718 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	198.13	18.81
33 42 11 00-0719 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	252.07	24.60
33 42 11 00-0720 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	292.28	29.07
33 42 11 00-0721 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	328.65	33.54
33 42 11 00-0722 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	398.90	38.02
33 42 11 00-0723 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0701)		
33 42 11 00-0724 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	150.19	12.55
33 42 11 00-0725 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	175.16	13.59
33 42 11 00-0726 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	197.27	14.64
33 42 11 00-0727 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	253.57	18.81
33 42 11 00-0728 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	305.00	24.60
33 42 11 00-0729 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	369.83	29.07
33 42 11 00-0730 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	417.14	33.54
33 42 11 00-0731 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	499.88	38.02
33 42 11 00-0732 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	546.29	40.25
33 42 11 00-0733 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	669.51	49.20
33 42 11 00-0734 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0701)		
33 42 11 00-0735 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	379.36	24.60
33 42 11 00-0736 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	440.47	29.07
33 42 11 00-0737 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	497.39	33.54
33 42 11 00-0738 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	589.76	38.02
33 42 11 00-0739 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	646.36	40.25
33 42 11 00-0740 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	779.41	49.20
33 42 11 00-0741 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	874.68	71.56
33 42 11 00-0742 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0499)		
33 42 11 00-0743 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0742)		
33 42 11 00-0744 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	281.48	24.60
33 42 11 00-0745 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	326.36	29.07
33 42 11 00-0746 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	366.12	33.54
33 42 11 00-0747 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	444.02	38.02
33 42 11 00-0748 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	483.46	40.25
33 42 11 00-0749 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	616.91	49.20
33 42 11 00-0750 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	696.79	71.56
33 42 11 00-0751 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	744.88	78.27
33 42 11 00-0752 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	790.05	83.86
33 42 11 00-0753 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	835.26	89.45
33 42 11 00-0754 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	881.12	95.04
33 42 11 00-0755 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	930.36	100.63
33 42 11 00-0756 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0742)		
33 42 11 00-0757 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	501.81	38.02
33 42 11 00-0758 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	547.34	40.25
33 42 11 00-0759 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	687.27	49.20
33 42 11 00-0760 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	773.31	71.56
33 42 11 00-0761 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	827.65	78.27
33 42 11 00-0762 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	879.31	83.86
33 42 11 00-0763 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	930.59	89.45
33 42 11 00-0764 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	982.65	95.04
33 42 11 00-0765 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,038.19	100.63
33 42 11 00-0766 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,096.16	111.81
33 42 11 00-0767 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,152.92	122.99
33 42 11 00-0768 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0742)		
33 42 11 00-0769 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	692.66	40.25
33 42 11 00-0770 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	848.94	49.20
33 42 11 00-0771 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	949.00	71.56
33 42 11 00-0772 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,017.42	78.27
33 42 11 00-0773 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,083.10	83.86
33 42 11 00-0774 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,148.48	89.45
33 42 11 00-0775 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,214.75	95.04
33 42 11 00-0776 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,284.28	100.63
33 42 11 00-0777 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,356.15	111.81
33 42 11 00-0778 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,427.21	122.99
33 42 11 00-0779 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,497.48	134.17



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0780	10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0742)		
33 42 11 00-0781	LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,109.08	71.56
33 42 11 00-0782	LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,190.55	78.27
33 42 11 00-0783	LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,269.38	83.86
33 42 11 00-0784	LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,347.86	89.45
33 42 11 00-0785	LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,427.30	95.04
33 42 11 00-0786	LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,509.97	100.63
33 42 11 00-0787	LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,594.99	111.81
33 42 11 00-0788	LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,679.11	122.99
33 42 11 00-0789	LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,762.52	134.17
33 42 11 00-0790	LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,847.66	145.35
33 42 11 00-0791	LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,935.99	156.53
33 42 11 00-0792	LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	2,027.75	167.72
33 42 11 00-0793	125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0499)		
33 42 11 00-0794	16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0793)		
33 42 11 00-0795	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	353.66	33.54
33 42 11 00-0796	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	430.30	38.02
33 42 11 00-0797	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	467.75	40.25
33 42 11 00-0798	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	587.71	49.20
33 42 11 00-0799	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	665.20	71.56
33 42 11 00-0800	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	710.80	78.27
33 42 11 00-0801	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	753.16	83.86
33 42 11 00-0802	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	795.40	89.45
33 42 11 00-0803	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	838.91	95.04
33 42 11 00-0804	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	886.40	100.63
33 42 11 00-0805	14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0793)		
33 42 11 00-0806	LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	498.95	38.02
33 42 11 00-0807	LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	544.20	40.25
33 42 11 00-0808	LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	671.09	49.20
33 42 11 00-0809	LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	755.30	71.56
33 42 11 00-0810	LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	809.03	78.27
33 42 11 00-0811	LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	859.04	83.86
33 42 11 00-0812	LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	905.11	89.45
33 42 11 00-0813	LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	959.76	95.04
33 42 11 00-0814	LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,013.65	100.63
33 42 11 00-0815	LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,069.66	111.81
33 42 11 00-0816	LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,126.24	122.99
33 42 11 00-0817	12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0793)		
33 42 11 00-0818	LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	697.43	40.25
33 42 11 00-0819	LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	840.62	49.20
33 42 11 00-0820	LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	940.84	71.56
33 42 11 00-0821	LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,008.66	78.27
33 42 11 00-0822	LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,073.03	83.86
33 42 11 00-0823	LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,138.23	89.45
33 42 11 00-0824	LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,203.83	95.04
33 42 11 00-0825	LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,272.29	100.63
33 42 11 00-0826	LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,343.95	111.81
33 42 11 00-0827	LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,414.75	122.99
33 42 11 00-0828	LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,484.10	134.17
33 42 11 00-0829	10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0793)		
33 42 11 00-0830	LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,109.01	71.56
33 42 11 00-0831	LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,192.48	78.27
33 42 11 00-0832	LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,271.59	83.86
33 42 11 00-0833	LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,350.02	89.45
33 42 11 00-0834	LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,429.86	95.04
33 42 11 00-0835	LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,512.38	100.63
33 42 11 00-0836	LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,597.80	111.81
33 42 11 00-0837	LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,682.72	122.99
33 42 11 00-0838	LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,765.94	134.17
33 42 11 00-0839	LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,872.84	145.35
33 42 11 00-0840	LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,966.93	156.53
33 42 11 00-0841	LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	2,067.15	167.72
33 42 11 00-0842	Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0498)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0843		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0842)		
33 42 11 00-0844		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0843)		
33 42 11 00-0845	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	50.99	11.50
		For Bituminous Coated Pipe, Add	6.82	
		For Bituminous Coated And 25% Paved, Add	16.48	
		For Smooth-Flo, Add	27.19	
33 42 11 00-0846	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	57.18	12.55
		For Bituminous Coated Pipe, Add	8.14	
		For Bituminous Coated And 25% Paved, Add	19.69	
		For Smooth-Flo, Add	32.47	
33 42 11 00-0847	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	65.78	13.59
		For Bituminous Coated Pipe, Add	9.80	
		For Bituminous Coated And 25% Paved, Add	23.69	
		For Smooth-Flo, Add	39.08	
33 42 11 00-0848	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	74.03	14.64
		For Bituminous Coated Pipe, Add	11.29	
		For Bituminous Coated And 25% Paved, Add	27.30	
		For Smooth-Flo, Add	45.03	
33 42 11 00-0849	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	96.20	18.81
		For Bituminous Coated Pipe, Add	14.34	
		For Bituminous Coated And 25% Paved, Add	34.68	
		For Smooth-Flo, Add	57.20	
33 42 11 00-0850	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	126.45	24.60
		For Bituminous Coated Pipe, Add	18.50	
		For Bituminous Coated And 25% Paved, Add	44.72	
		For Smooth-Flo, Add	73.76	
33 42 11 00-0851		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0843)		
33 42 11 00-0852	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	56.51	11.50
		For Bituminous Coated Pipe, Add	7.07	
		For Bituminous Coated And 25% Paved, Add	16.55	
		For Smooth-Flo, Add	27.14	
33 42 11 00-0853	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	63.94	12.55
		For Bituminous Coated Pipe, Add	8.48	
		For Bituminous Coated And 25% Paved, Add	19.85	
		For Smooth-Flo, Add	32.55	
33 42 11 00-0854	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	73.32	13.59
		For Bituminous Coated Pipe, Add	10.08	
		For Bituminous Coated And 25% Paved, Add	23.59	
		For Smooth-Flo, Add	38.69	
33 42 11 00-0855	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	82.76	14.64
		For Bituminous Coated Pipe, Add	11.63	
		For Bituminous Coated And 25% Paved, Add	27.20	
		For Smooth-Flo, Add	44.62	
33 42 11 00-0856	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	107.09	18.81
		For Bituminous Coated Pipe, Add	14.73	
		For Bituminous Coated And 25% Paved, Add	34.45	
		For Smooth-Flo, Add	56.50	
33 42 11 00-0857	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	139.42	24.60
		For Bituminous Coated Pipe, Add	18.76	
		For Bituminous Coated And 25% Paved, Add	43.89	
		For Smooth-Flo, Add	71.98	
33 42 11 00-0858	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	160.86	29.07
		For Bituminous Coated Pipe, Add	22.34	
		For Bituminous Coated And 25% Paved, Add	52.28	
		For Smooth-Flo, Add	85.74	
33 42 11 00-0859		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0843)		
33 42 11 00-0860	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	83.60	13.42
		For Bituminous Coated Pipe, Add	9.18	
		For Bituminous Coated And 25% Paved, Add	20.42	
		For Smooth-Flo, Add	31.41	
33 42 11 00-0861	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	95.88	14.53
		For Bituminous Coated Pipe, Add	10.89	
		For Bituminous Coated And 25% Paved, Add	24.22	
		For Smooth-Flo, Add	37.25	
33 42 11 00-0862	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	107.94	15.65
		For Bituminous Coated Pipe, Add	12.48	
		For Bituminous Coated And 25% Paved, Add	27.78	
		For Smooth-Flo, Add	42.72	
33 42 11 00-0863	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	139.02	20.12
		For Bituminous Coated Pipe, Add	15.72	
		For Bituminous Coated And 25% Paved, Add	34.98	
		For Smooth-Flo, Add	53.79	
33 42 11 00-0864	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	165.86	24.60
		For Bituminous Coated Pipe, Add	19.67	
		For Bituminous Coated And 25% Paved, Add	43.77	
		For Smooth-Flo, Add	67.30	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0865	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	191.39 23.26 51.77 79.60	29.07
33 42 11 00-0866	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	223.68 27.59 61.39 94.40	33.54
33 42 11 00-0867	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	249.75 30.46 67.79 104.25	38.02
33 42 11 00-0868		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0843)		
33 42 11 00-0869	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	190.76 23.70 49.89 62.92	24.60
33 42 11 00-0870	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	220.42 27.96 58.86 74.22	29.07
33 42 11 00-0871	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	256.58 32.89 69.25 87.33	33.54
33 42 11 00-0872	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	286.94 36.47 76.78 96.83	38.02
33 42 11 00-0873	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	314.43 40.04 84.29 106.30	40.25
33 42 11 00-0874		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0842)		
33 42 11 00-0875		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0874)		
33 42 11 00-0876	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	249.39 35.15 106.84 119.50	38.02
33 42 11 00-0877	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	272.59 38.46 116.92 130.77	40.25
33 42 11 00-0878	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	337.86 48.31 146.86 164.25	49.20
33 42 11 00-0879	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	401.26 51.79 157.44 176.09	71.56
33 42 11 00-0880	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	433.76 55.45 168.56 188.52	78.27
33 42 11 00-0881	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	463.34 59.12 179.74 201.02	83.86
33 42 11 00-0882	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	492.81 62.78 190.86 213.46	89.45
33 42 11 00-0883	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	523.03 66.43 201.94 225.86	95.04
33 42 11 00-0884		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0874)		
33 42 11 00-0885	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	329.83 49.91 130.76 154.72	40.25
33 42 11 00-0886	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	401.34 61.00 159.83 189.11	49.20

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0887	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	470.37 65.61 171.90 203.40	71.56
33 42 11 00-0888	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	508.46 70.39 184.41 218.20	78.27
33 42 11 00-0889	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	543.61 75.18 196.97 233.05	83.86
33 42 11 00-0890	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	578.71 79.96 209.50 247.88	89.45
33 42 11 00-0891	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	614.51 84.72 221.98 262.64	95.04
33 42 11 00-0892	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	653.65 89.54 234.59 277.57	100.63
33 42 11 00-0893	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	695.23 94.32 247.12 292.40	111.81
33 42 11 00-0894	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	738.72 99.58 260.90 308.70	122.99
33 42 11 00-0895		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0874)		
33 42 11 00-0896	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	534.58 78.45 186.72 202.80	71.56
33 42 11 00-0897	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	577.98 84.29 200.61 217.89	78.27
33 42 11 00-0898	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	618.41 90.14 214.53 233.01	83.86
33 42 11 00-0899	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	658.67 95.95 228.37 248.04	89.45
33 42 11 00-0900	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	699.80 101.78 242.24 263.11	95.04
33 42 11 00-0901	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	744.15 107.64 256.18 278.24	100.63
33 42 11 00-0902	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	791.00 113.48 270.07 293.34	111.81
33 42 11 00-0903	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	839.35 119.71 284.90 309.44	122.99
33 42 11 00-0904	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	892.53 127.18 302.70 328.77	134.17
33 42 11 00-0905		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0842)		
33 42 11 00-0906		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0905)		
33 42 11 00-0907	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	476.67 66.87 163.17 207.64	71.56



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0908	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	514.14 71.52 174.51 222.08	78.27
33 42 11 00-0909	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	548.31 76.12 185.73 236.35	83.86
33 42 11 00-0910	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	582.48 80.72 196.95 250.62	89.45
33 42 11 00-0911	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	617.61 85.34 208.24 264.99	95.04
33 42 11 00-0912	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	656.24 90.06 219.74 279.62	100.63
33 42 11 00-0913	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	697.30 94.74 231.16 294.16	111.81
33 42 11 00-0914	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	743.84 100.60 245.47 312.38	122.99
33 42 11 00-0915 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0905)				
33 42 11 00-0916	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	547.75 81.09 183.26 199.07	71.56
33 42 11 00-0917	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	590.90 86.87 196.34 213.28	78.27
33 42 11 00-0918	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	630.86 92.63 209.34 227.40	83.86
33 42 11 00-0919	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	670.97 98.41 222.42 241.61	89.45
33 42 11 00-0920	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	710.90 104.00 235.04 255.32	95.04
33 42 11 00-0921	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	756.09 110.03 248.66 270.11	100.63
33 42 11 00-0922	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	803.03 115.88 261.89 284.49	111.81
33 42 11 00-0923	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	855.41 122.92 277.79 301.76	122.99
33 42 11 00-0924	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	904.42 129.56 292.81 318.07	134.17
33 42 11 00-0925 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0925)				
33 42 11 00-0926 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0925)				
33 42 11 00-0927	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	86.60	11.50
33 42 11 00-0928	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	99.75	12.55
33 42 11 00-0929	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	117.14	13.59
33 42 11 00-0930	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	133.30	14.64
33 42 11 00-0931	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	171.70	18.81
33 42 11 00-0932	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	224.53	24.60
33 42 11 00-0933 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0925)				
33 42 11 00-0934	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	99.32	11.50

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0935 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	115.27	12.55
33 42 11 00-0936 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	134.48	13.59
33 42 11 00-0937 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	153.46	14.64
33 42 11 00-0938 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	196.76	18.81
33 42 11 00-0939 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	254.33	24.60
33 42 11 00-0940 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	298.05	29.07
33 42 11 00-0941 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0925)		
33 42 11 00-0942 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	153.35	12.55
33 42 11 00-0943 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	179.58	13.59
33 42 11 00-0944 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	204.53	14.64
33 42 11 00-0945 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	260.49	18.81
33 42 11 00-0946 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	331.32	24.60
33 42 11 00-0947 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	387.70	29.07
33 42 11 00-0948 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	458.08	33.54
33 42 11 00-0949 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	507.90	38.02
33 42 11 00-0950 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0925)		
33 42 11 00-0951 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	391.71	24.60
33 42 11 00-0952 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	458.16	29.07
33 42 11 00-0953 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	537.95	33.54
33 42 11 00-0954 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	598.20	38.02
33 42 11 00-0955 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	655.45	40.25
33 42 11 00-0956 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0842)		
33 42 11 00-0957 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0956)		
33 42 11 00-0958 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	513.15	38.02
33 42 11 00-0959 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	560.68	40.25
33 42 11 00-0960 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	702.75	49.20
33 42 11 00-0961 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	791.91	71.56
33 42 11 00-0962 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	851.52	78.27
33 42 11 00-0963 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	908.30	83.86
33 42 11 00-0964 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	964.80	89.45
33 42 11 00-0965 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,022.24	95.04
33 42 11 00-0966 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0956)		
33 42 11 00-0967 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	706.28	40.25
33 42 11 00-0968 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	864.84	49.20
33 42 11 00-0969 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	968.31	71.56
33 42 11 00-0970 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,041.99	78.27
33 42 11 00-0971 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,112.90	83.86
33 42 11 00-0972 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,183.70	89.45
33 42 11 00-0973 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,255.13	95.04
33 42 11 00-0974 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,330.12	100.63
33 42 11 00-0975 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,407.41	111.81
33 42 11 00-0976 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,490.18	122.99
33 42 11 00-0977 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0956)		
33 42 11 00-0978 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,128.35	71.56
33 42 11 00-0979 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,215.26	78.27
33 42 11 00-0980 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,299.39	83.86
33 42 11 00-0981 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,383.05	89.45
33 42 11 00-0982 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,467.65	95.04
33 42 11 00-0983 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,555.74	100.63
33 42 11 00-0984 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,646.20	111.81
33 42 11 00-0985 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,740.99	122.99
33 42 11 00-0986 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,849.97	134.17
33 42 11 00-0987 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0842)		
33 42 11 00-0988 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0987)		
33 42 11 00-0989 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	953.92	71.56
33 42 11 00-0990 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,024.00	78.27
33 42 11 00-0991 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,090.42	83.86
33 42 11 00-0992 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,156.74	89.45
33 42 11 00-0993 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,224.28	95.04
33 42 11 00-0994 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,295.93	100.63
33 42 11 00-0995 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,369.75	111.81
33 42 11 00-0996 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,457.38	122.99



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0997		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0997)		
33 42 11 00-0998	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,124.61	71.56
33 42 11 00-0999	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,208.24	78.27
33 42 11 00-1000	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,288.51	83.86
33 42 11 00-1001	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,369.15	89.45
33 42 11 00-1002	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,448.34	95.04
33 42 11 00-1003	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,535.63	100.63
33 42 11 00-1004	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,623.65	111.81
33 42 11 00-1005	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,725.49	122.99
33 42 11 00-1006	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,820.77	134.17
33 42 11 00-1007		Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0498)		
33 42 11 00-1008		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1007)		
33 42 11 00-1009		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1008)		
33 42 11 00-1010	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	47.91	10.98
		For 1/2 Bituminous Coated And 25% Paved, Add	10.14	
33 42 11 00-1011	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.22	11.50
		For 1/2 Bituminous Coated And 25% Paved, Add	12.77	
33 42 11 00-1012	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	62.81	12.55
		For 1/2 Bituminous Coated And 25% Paved, Add	15.49	
33 42 11 00-1013	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	72.24	13.59
		For 1/2 Bituminous Coated And 25% Paved, Add	18.51	
33 42 11 00-1014	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.28	14.64
		For 1/2 Bituminous Coated And 25% Paved, Add	20.85	
33 42 11 00-1015	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	105.54	18.81
		For 1/2 Bituminous Coated And 25% Paved, Add	27.04	
33 42 11 00-1016	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	136.63	24.60
		For 1/2 Bituminous Coated And 25% Paved, Add	34.12	
33 42 11 00-1017	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	156.83	29.07
		For 1/2 Bituminous Coated And 25% Paved, Add	40.36	
33 42 11 00-1018	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	176.16	33.54
		For 1/2 Bituminous Coated And 25% Paved, Add	45.22	
33 42 11 00-1019		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1008)		
33 42 11 00-1020	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	53.39	10.98
		For 1/2 Bituminous Coated And 25% Paved, Add	9.63	
33 42 11 00-1021	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	61.99	11.50
		For 1/2 Bituminous Coated And 25% Paved, Add	12.09	
33 42 11 00-1022	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	70.87	12.55
		For 1/2 Bituminous Coated And 25% Paved, Add	14.61	
33 42 11 00-1023	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	81.59	13.59
		For 1/2 Bituminous Coated And 25% Paved, Add	17.38	
33 42 11 00-1024	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	91.13	14.64
		For 1/2 Bituminous Coated And 25% Paved, Add	19.67	
33 42 11 00-1025	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	118.82	18.81
		For 1/2 Bituminous Coated And 25% Paved, Add	25.27	
33 42 11 00-1026	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	152.69	24.60
		For 1/2 Bituminous Coated And 25% Paved, Add	31.66	
33 42 11 00-1027	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	175.32	29.07
		For 1/2 Bituminous Coated And 25% Paved, Add	37.29	
33 42 11 00-1028	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	197.23	33.54
		For 1/2 Bituminous Coated And 25% Paved, Add	41.90	
33 42 11 00-1029	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	237.20	38.02
		For 1/2 Bituminous Coated And 25% Paved, Add	51.52	
33 42 11 00-1030		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1008)		
33 42 11 00-1031	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	87.81	12.55
		For 1/2 Bituminous Coated And 25% Paved, Add	13.62	
33 42 11 00-1032	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.37	13.59
		For 1/2 Bituminous Coated And 25% Paved, Add	16.11	
33 42 11 00-1033	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	113.60	14.64
		For 1/2 Bituminous Coated And 25% Paved, Add	18.26	
33 42 11 00-1034	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	146.87	18.81
		For 1/2 Bituminous Coated And 25% Paved, Add	23.28	
33 42 11 00-1035	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	186.52	24.60
		For 1/2 Bituminous Coated And 25% Paved, Add	28.89	
33 42 11 00-1036	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	214.53	29.07
		For 1/2 Bituminous Coated And 25% Paved, Add	33.88	
33 42 11 00-1037	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	241.96	33.54
		For 1/2 Bituminous Coated And 25% Paved, Add	38.21	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1038	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	288.29 46.15	38.02
33 42 11 00-1039	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	314.95 50.45	40.25
33 42 11 00-1040	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	384.92 62.05	49.20
33 42 11 00-1041 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1008)				
33 42 11 00-1042	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	216.95 31.64	24.60
33 42 11 00-1043	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	250.12 37.09	29.07
33 42 11 00-1044	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	282.36 41.88	33.54
33 42 11 00-1045	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	333.59 49.91	38.02
33 42 11 00-1046	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	365.36 54.74	40.25
33 42 11 00-1047	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	440.29 66.04	49.20
33 42 11 00-1048	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	511.07 70.80	71.56
33 42 11 00-1049 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1007)				
33 42 11 00-1050 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1049)				
33 42 11 00-1051	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	160.54 37.93	24.60
33 42 11 00-1052	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	184.21 44.55	29.07
33 42 11 00-1053	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	206.94 49.95	33.54
33 42 11 00-1054	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	248.00 61.02	38.02
33 42 11 00-1055	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	270.22 66.48	40.25
33 42 11 00-1056	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	340.29 85.39	49.20
33 42 11 00-1057	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	402.34 91.01	71.56
33 42 11 00-1058	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	432.68 96.65	78.27
33 42 11 00-1059	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	460.04 102.31	83.86
33 42 11 00-1060	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	487.38 107.97	89.45
33 42 11 00-1061	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	515.49 113.61	95.04
33 42 11 00-1062	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	546.83 119.30	100.63
33 42 11 00-1063 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1049)				
33 42 11 00-1064	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	275.48 52.88	38.02
33 42 11 00-1065	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	300.59 57.72	40.25
33 42 11 00-1066	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	373.71 72.68	49.20
33 42 11 00-1067	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	438.76 77.67	71.56
33 42 11 00-1068	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	472.04 82.66	78.27
33 42 11 00-1069	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	502.50 87.71	83.86
33 42 11 00-1070	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	532.74 92.71	89.45
33 42 11 00-1071	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	563.79 97.70	95.04
33 42 11 00-1072	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	598.07 102.73	100.63
33 42 11 00-1073	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	634.90 107.76	111.81
33 42 11 00-1074	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	670.95 112.69	122.99
33 42 11 00-1075 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1049)				



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
33 42 11 00-1076	LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	368.10		40.25
	For 1/2 Bituminous Coated And 25% Paved, Add	77.42		
33 42 11 00-1077	LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	448.45		49.20
	For 1/2 Bituminous Coated And 25% Paved, Add	94.72		
33 42 11 00-1078	LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	520.01		71.56
	For 1/2 Bituminous Coated And 25% Paved, Add	101.60		
33 42 11 00-1079	LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	559.90		78.27
	For 1/2 Bituminous Coated And 25% Paved, Add	108.51		
33 42 11 00-1080	LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	596.87		83.86
	For 1/2 Bituminous Coated And 25% Paved, Add	115.44		
33 42 11 00-1081	LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	633.72		89.45
	For 1/2 Bituminous Coated And 25% Paved, Add	122.35		
33 42 11 00-1082	LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	671.33		95.04
	For 1/2 Bituminous Coated And 25% Paved, Add	129.24		
33 42 11 00-1083	LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	712.18		100.63
	For 1/2 Bituminous Coated And 25% Paved, Add	136.17		
33 42 11 00-1084	LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	755.51		111.81
	For 1/2 Bituminous Coated And 25% Paved, Add	143.08		
33 42 11 00-1085	LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	798.18		122.99
	For 1/2 Bituminous Coated And 25% Paved, Add	149.93		
33 42 11 00-1086	LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	839.74		134.17
	For 1/2 Bituminous Coated And 25% Paved, Add	156.86		
33 42 11 00-1087	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping			
	(33 42 11 00-1049)			
33 42 11 00-1088	LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	595.79		71.56
	For 1/2 Bituminous Coated And 25% Paved, Add	124.71		
33 42 11 00-1089	LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	641.78		78.27
	For 1/2 Bituminous Coated And 25% Paved, Add	133.44		
33 42 11 00-1090	LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	684.99		83.86
	For 1/2 Bituminous Coated And 25% Paved, Add	142.25		
33 42 11 00-1091	LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	727.99		89.45
	For 1/2 Bituminous Coated And 25% Paved, Add	151.00		
33 42 11 00-1092	LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	771.91		95.04
	For 1/2 Bituminous Coated And 25% Paved, Add	159.78		
33 42 11 00-1093	LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	819.00		100.63
	For 1/2 Bituminous Coated And 25% Paved, Add	168.59		
33 42 11 00-1094	LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	868.48		111.81
	For 1/2 Bituminous Coated And 25% Paved, Add	177.34		
33 42 11 00-1095	LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	917.35		122.99
	For 1/2 Bituminous Coated And 25% Paved, Add	186.05		
33 42 11 00-1096	LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	965.16		134.17
	For 1/2 Bituminous Coated And 25% Paved, Add	194.85		
33 42 11 00-1097	LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,014.94		145.35
	For 1/2 Bituminous Coated And 25% Paved, Add	203.59		
33 42 11 00-1098	LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,067.64		156.53
	For 1/2 Bituminous Coated And 25% Paved, Add	212.38		
33 42 11 00-1099	LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,123.77		167.72
	For 1/2 Bituminous Coated And 25% Paved, Add	221.19		
33 42 11 00-1100	125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping			
	(33 42 11 00-1007)			
33 42 11 00-1101	16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping			
	(33 42 11 00-1100)			
33 42 11 00-1102	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	207.82		33.54
	For 1/2 Bituminous Coated And 25% Paved, Add	61.89		
33 42 11 00-1103	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	249.60		38.02
	For 1/2 Bituminous Coated And 25% Paved, Add	75.83		
33 42 11 00-1104	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	271.61		40.25
	For 1/2 Bituminous Coated And 25% Paved, Add	82.46		
33 42 11 00-1105	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	337.19		49.20
	For 1/2 Bituminous Coated And 25% Paved, Add	103.81		
33 42 11 00-1106	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	398.88		71.56
	For 1/2 Bituminous Coated And 25% Paved, Add	110.58		
33 42 11 00-1107	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.80		78.27
	For 1/2 Bituminous Coated And 25% Paved, Add	117.35		
33 42 11 00-1108	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	455.59		83.86
	For 1/2 Bituminous Coated And 25% Paved, Add	124.07		
33 42 11 00-1109	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	482.27		89.45
	For 1/2 Bituminous Coated And 25% Paved, Add	130.75		
33 42 11 00-1110	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	510.07		95.04
	For 1/2 Bituminous Coated And 25% Paved, Add	137.57		
33 42 11 00-1111	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	541.30		100.63
	For 1/2 Bituminous Coated And 25% Paved, Add	144.53		
33 42 11 00-1112	14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping			
	(33 42 11 00-1100)			
33 42 11 00-1113	LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	283.95		38.02
	For 1/2 Bituminous Coated And 25% Paved, Add	71.50		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1114 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	309.89 78.07	40.25
33 42 11 00-1115 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	378.87 96.07	49.20
33 42 11 00-1116 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	443.98 102.57	71.56
33 42 11 00-1117 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	477.93 109.28	78.27
33 42 11 00-1118 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	508.54 115.88	83.86
33 42 11 00-1119 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	537.18 121.82	89.45
33 42 11 00-1120 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	570.45 129.05	95.04
33 42 11 00-1121 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	604.94 135.65	100.63
33 42 11 00-1122 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	641.82 142.19	111.81
33 42 11 00-1123 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	678.70 148.88	122.99
33 42 11 00-1124 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1100)		
33 42 11 00-1125 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	381.43 86.13	40.25
33 42 11 00-1126 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	457.75 103.37	49.20
33 42 11 00-1127 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	530.34 110.98	71.56
33 42 11 00-1128 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	570.91 118.51	78.27
33 42 11 00-1129 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	608.29 126.00	83.86
33 42 11 00-1130 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	646.02 133.60	89.45
33 42 11 00-1131 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	684.30 141.12	95.04
33 42 11 00-1132 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	725.66 148.63	100.63
33 42 11 00-1133 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	769.82 156.21	111.81
33 42 11 00-1134 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	813.36 163.75	122.99
33 42 11 00-1135 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	855.50 171.28	134.17
33 42 11 00-1136 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1100)		
33 42 11 00-1137 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	613.04 134.63	71.56
33 42 11 00-1138 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	661.30 144.36	78.27
33 42 11 00-1139 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	705.86 153.91	83.86
33 42 11 00-1140 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	750.10 163.36	89.45
33 42 11 00-1141 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	795.41 172.89	95.04
33 42 11 00-1142 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	843.64 182.38	100.63
33 42 11 00-1143 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	894.62 191.91	111.81
33 42 11 00-1144 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	945.08 201.42	122.99
33 42 11 00-1145 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	993.99 210.89	134.17
33 42 11 00-1146 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,055.75 223.40	145.35
33 42 11 00-1147 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,112.48 233.70	156.53
33 42 11 00-1148 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,173.98 244.40	167.72
33 42 11 00-1149 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1100)		
33 42 11 00-1150 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1149)		
33 42 11 00-1151 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	72.05	12.55
33 42 11 00-1152 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	82.93	13.59
33 42 11 00-1153 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	92.94	14.64



Utilities		33	CS
Stormwater Utilities		33 40	
Stormwater Conveyance		33 42	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1154	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	120.99	18.81
33 42 11 00-1155	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	154.76	24.60
33 42 11 00-1156	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	177.75	29.07
33 42 11 00-1157	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	200.49	33.54
33 42 11 00-1158	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	238.65	38.02
33 42 11 00-1159	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	260.81	40.25
33 42 11 00-1160 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1149)				
33 42 11 00-1161	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.01	12.55
33 42 11 00-1162	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	92.23	13.59
33 42 11 00-1163	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	103.48	14.64
33 42 11 00-1164	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	134.16	18.81
33 42 11 00-1165	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	170.61	24.60
33 42 11 00-1166	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	196.30	29.07
33 42 11 00-1167	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	221.66	33.54
33 42 11 00-1168	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	262.46	38.02
33 42 11 00-1169	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	287.36	40.25
33 42 11 00-1170	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	349.79	49.20
33 42 11 00-1171	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	413.81	71.56
33 42 11 00-1172	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	446.31	78.27
33 42 11 00-1173 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1149)				
33 42 11 00-1174	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	160.87	18.81
33 42 11 00-1175	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	202.59	24.60
33 42 11 00-1176	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	233.75	29.07
33 42 11 00-1177	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	264.38	33.54
33 42 11 00-1178	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	310.50	38.02
33 42 11 00-1179	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	340.83	40.25
33 42 11 00-1180	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	408.47	49.20
33 42 11 00-1181	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	477.76	71.56
33 42 11 00-1182	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	515.58	78.27
33 42 11 00-1183	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	550.23	83.86
33 42 11 00-1184	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	584.91	89.45
33 42 11 00-1185	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	620.25	95.04
33 42 11 00-1186	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	656.18	100.63
33 42 11 00-1187 Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0498)				
33 42 11 00-1188 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1187)				
33 42 11 00-1189 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1188)				
33 42 11 00-1190	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	57.08	11.50
		For 1/2 Bituminous Coated And 40% Paved, Add	16.50	
33 42 11 00-1191	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	64.46	12.55
		For 1/2 Bituminous Coated And 40% Paved, Add	19.71	
33 42 11 00-1192	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	74.51	13.59
		For 1/2 Bituminous Coated And 40% Paved, Add	23.71	
33 42 11 00-1193	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	84.11	14.64
		For 1/2 Bituminous Coated And 40% Paved, Add	27.33	
33 42 11 00-1194	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	109.01	18.81
		For 1/2 Bituminous Coated And 40% Paved, Add	34.71	
33 42 11 00-1195	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	142.98	24.60
		For 1/2 Bituminous Coated And 40% Paved, Add	44.77	
33 42 11 00-1196 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1188)				
33 42 11 00-1197	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	63.85	11.50
		For 1/2 Bituminous Coated And 40% Paved, Add	17.10	
33 42 11 00-1198	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	72.67	12.55
		For 1/2 Bituminous Coated And 40% Paved, Add	20.48	
33 42 11 00-1199	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	83.76	13.59
		For 1/2 Bituminous Coated And 40% Paved, Add	24.37	
33 42 11 00-1200	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	94.80	14.64
		For 1/2 Bituminous Coated And 40% Paved, Add	28.10	
33 42 11 00-1201	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	122.33	18.81
		For 1/2 Bituminous Coated And 40% Paved, Add	35.59	
33 42 11 00-1202	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	158.84	24.60
		For 1/2 Bituminous Coated And 40% Paved, Add	45.33	
33 42 11 00-1203	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	184.00	29.07
		For 1/2 Bituminous Coated And 40% Paved, Add	54.00	
33 42 11 00-1204 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1188)				

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1205	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	89.41 18.76	12.55
33 42 11 00-1206	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	103.59 22.30	13.59
33 42 11 00-1207	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	117.27 25.60	14.64
33 42 11 00-1208	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	150.38 32.30	18.81
33 42 11 00-1209	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	192.72 40.62	24.60
33 42 11 00-1210	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	223.52 48.14	29.07
33 42 11 00-1211	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	262.58 57.33	33.54
33 42 11 00-1212	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	292.32 63.19	38.02
33 42 11 00-1213 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1188)				
33 42 11 00-1214	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	223.15 42.75	24.60
33 42 11 00-1215	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	259.00 50.52	29.07
33 42 11 00-1216	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	302.81 59.65	33.54
33 42 11 00-1217	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	337.82 66.04	38.02
33 42 11 00-1218	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	369.96 72.42	40.25
33 42 11 00-1219 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1187)				
33 42 11 00-1220 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1219)				
33 42 11 00-1221	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	280.90 94.92	38.02
33 42 11 00-1222	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	307.05 103.86	40.25
33 42 11 00-1223	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	381.15 130.45	49.20
33 42 11 00-1224	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	447.64 139.84	71.56
33 42 11 00-1225	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	483.45 149.73	78.27
33 42 11 00-1226	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	516.29 159.65	83.86
33 42 11 00-1227	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	549.01 169.51	89.45
33 42 11 00-1228	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	582.59 179.40	95.04
33 42 11 00-1229 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1219)				
33 42 11 00-1230	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	374.61 118.03	40.25
33 42 11 00-1231	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	456.05 144.25	49.20
33 42 11 00-1232	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	529.21 155.15	71.56
33 42 11 00-1233	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	571.53 166.42	78.27
33 42 11 00-1234	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	611.02 177.76	83.86
33 42 11 00-1235	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	650.41 189.08	89.45
33 42 11 00-1236	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	690.50 200.34	95.04
33 42 11 00-1237	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	733.93 211.72	100.63
33 42 11 00-1238	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	779.79 223.02	111.81
33 42 11 00-1239	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	828.03 235.47	122.99
33 42 11 00-1240 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1219)				
33 42 11 00-1241	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	604.93 167.93	71.56



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1242	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	653.55 180.42	78.27
33 42 11 00-1243	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	699.25 192.95	83.86
33 42 11 00-1244	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	744.73 205.40	89.45
33 42 11 00-1245	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	795.25 219.38	95.04
33 42 11 00-1246	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	840.70 230.41	100.63
33 42 11 00-1247	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	892.81 242.92	111.81
33 42 11 00-1248	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	946.69 256.23	122.99
33 42 11 00-1249	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	1,006.59 272.24	134.17
33 42 11 00-1250		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe- Arch (33 42 11 00-1187)		
33 42 11 00-1251		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1250)		
33 42 11 00-1252	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	536.85 152.69	71.56
33 42 11 00-1253	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	578.50 163.30	78.27
33 42 11 00-1254	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	616.86 173.82	83.86
33 42 11 00-1255	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	655.16 184.31	89.45
33 42 11 00-1256	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	694.42 194.87	95.04
33 42 11 00-1257	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	737.28 205.62	100.63
33 42 11 00-1258	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	782.58 216.32	111.81
33 42 11 00-1259	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	834.39 229.71	122.99
33 42 11 00-1260		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1250)		
33 42 11 00-1261	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	620.74 169.36	71.56
33 42 11 00-1262	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	669.10 181.45	78.27
33 42 11 00-1263	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	714.23 193.46	83.86
33 42 11 00-1264	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	759.55 205.55	89.45
33 42 11 00-1265	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	804.55 217.24	95.04
33 42 11 00-1266	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	855.11 229.80	100.63
33 42 11 00-1267	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	907.38 242.05	111.81
33 42 11 00-1268	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	966.06 256.73	122.99
33 42 11 00-1269	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	1,021.05 270.61	134.17
33 42 11 00-1270		Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-0498)		
33 42 11 00-1271		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1270)		
33 42 11 00-1272		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1271)		
33 42 11 00-1273	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	28.89 3.14	6.27
33 42 11 00-1274	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	37.40 4.26	7.85
33 42 11 00-1275	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	48.54 5.61	9.41
33 42 11 00-1276		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1271)		
33 42 11 00-1277	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	32.49 3.11	6.27

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1278 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	42.49 4.26	7.85
33 42 11 00-1279 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	55.33 5.62	9.41
33 42 11 00-1280 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1270)		
33 42 11 00-1281 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1280)		
33 42 11 00-1282 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	56.19 6.18	10.98
33 42 11 00-1283 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	65.50 7.75	11.50
33 42 11 00-1284 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	75.39 9.42	12.55
33 42 11 00-1285 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	87.18 11.24	13.59
33 42 11 00-1286 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	97.58 12.75	14.64
33 42 11 00-1287 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1280)		
33 42 11 00-1288 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	63.91 6.04	10.98
33 42 11 00-1289 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	75.33 7.60	11.50
33 42 11 00-1290 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	87.17 9.22	12.55
33 42 11 00-1291 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	100.85 10.94	13.59
33 42 11 00-1292 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	113.27 12.43	14.64
33 42 11 00-1293 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	147.01 15.94	18.81
33 42 11 00-1294 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	186.97 19.82	24.60
33 42 11 00-1295 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1280)		
33 42 11 00-1296 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	143.25 11.80	14.64
33 42 11 00-1297 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	184.34 15.01	18.81
33 42 11 00-1298 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	231.81 18.50	24.60
33 42 11 00-1299 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	268.20 21.76	29.07
33 42 11 00-1300 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	303.36 24.63	33.54
33 42 11 00-1301 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	357.36 29.22	38.02
33 42 11 00-1302 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1280)		
33 42 11 00-1303 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	279.60 18.19	24.60
33 42 11 00-1304 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	323.87 21.36	29.07
33 42 11 00-1305 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	367.17 24.24	33.54
33 42 11 00-1306 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	429.14 28.44	38.02
33 42 11 00-1307 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	472.00 31.34	40.25
33 42 11 00-1308 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1270)		
33 42 11 00-1309 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1308)		
33 42 11 00-1310 LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	144.57	18.81
33 42 11 00-1311 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	183.92	24.60
33 42 11 00-1312 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	211.34	29.07
33 42 11 00-1313 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	239.39	33.54
33 42 11 00-1314 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	283.26	38.02



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1315	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1308)		
33 42 11 00-1316	LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	164.24	18.81
33 42 11 00-1317	LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	211.98	24.60
33 42 11 00-1318	LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	243.91	29.07
33 42 11 00-1319	LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	274.93	33.54
33 42 11 00-1320	LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	324.89	38.02
33 42 11 00-1321	LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	355.31	40.25
33 42 11 00-1322	LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	432.53	49.20
33 42 11 00-1323	LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	502.58	71.56
33 42 11 00-1324	LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	540.93	78.27
33 42 11 00-1325	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1308)		
33 42 11 00-1326	LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	210.15	18.81
33 42 11 00-1327	LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	263.60	24.60
33 42 11 00-1328	LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	305.60	29.07
33 42 11 00-1329	LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	345.69	33.54
33 42 11 00-1330	LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	404.32	38.02
33 42 11 00-1331	LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	443.27	40.25
33 42 11 00-1332	LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	529.00	49.20
33 42 11 00-1333	LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	607.79	71.56
33 42 11 00-1334	LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	654.73	78.27
33 42 11 00-1335	LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	698.79	83.86
33 42 11 00-1336	LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	742.70	89.45
33 42 11 00-1337	LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	787.42	95.04
33 42 11 00-1338	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1308)		
33 42 11 00-1339	LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	535.78	40.25
33 42 11 00-1340	LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	626.86	49.20
33 42 11 00-1341	LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	714.43	71.56
33 42 11 00-1342	LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	770.17	78.27
33 42 11 00-1343	LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	822.87	83.86
33 42 11 00-1344	LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	875.55	89.45
33 42 11 00-1345	LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	928.98	95.04
33 42 11 00-1346	LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	985.71	100.63
33 42 11 00-1347	LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,044.88	111.81
33 42 11 00-1348	Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1270) Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1349	16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1348)		
33 42 11 00-1350	LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.86	12.55
33 42 11 00-1351	LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	109.53	13.59
33 42 11 00-1352	LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	132.76	14.64
33 42 11 00-1353	LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	153.32	16.73
33 42 11 00-1354	LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	171.51	18.81
33 42 11 00-1355	LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	192.06	20.91
33 42 11 00-1356	14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1348)		
33 42 11 00-1357	LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	118.49	12.55
33 42 11 00-1358	LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	137.43	13.59
33 42 11 00-1359	LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	155.13	14.64
33 42 11 00-1360	LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.43	16.73
33 42 11 00-1361	LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	199.35	18.81
33 42 11 00-1362	LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	222.74	20.91
33 42 11 00-1363	LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	250.16	24.60
33 42 11 00-1364	LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	289.58	29.07
33 42 11 00-1365	LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	327.71	33.54
33 42 11 00-1366	12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1348)		
33 42 11 00-1367	LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	253.79	18.81
33 42 11 00-1368	LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	282.51	20.91
33 42 11 00-1369	LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	315.46	24.60
33 42 11 00-1370	LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	365.83	29.07
33 42 11 00-1371	LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	414.85	33.54
33 42 11 00-1372	LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	577.40	38.02
33 42 11 00-1373	LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	635.67	40.25

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-1374	10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1348)		
33 42 11 00-1375	LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.39	33.54
33 42 11 00-1376	LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	686.86	38.02
33 42 11 00-1377	LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	757.43	40.25
33 42 11 00-1378	LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	879.25	49.20
33 42 11 00-1379	LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	987.80	71.56
33 42 11 00-1380	LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,065.50	78.27
33 42 11 00-1381	LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,139.51	83.86
33 42 11 00-1382	Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-0498)		
33 42 11 00-1383	2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1382)		
33 42 11 00-1384	16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1383)		
33 42 11 00-1385	LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	69.01	11.50
	For Bituminous Coated Pipe, Add	7.76	
33 42 11 00-1386	LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	78.71	12.55
	For Bituminous Coated Pipe, Add	9.27	
33 42 11 00-1387	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	90.97	13.59
	For Bituminous Coated Pipe, Add	11.04	
33 42 11 00-1388	14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1383)		
33 42 11 00-1389	LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	78.86	11.50
	For Bituminous Coated Pipe, Add	7.74	
33 42 11 00-1390	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	88.17	12.55
	For Bituminous Coated Pipe, Add	8.92	
33 42 11 00-1391	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	104.64	13.59
	For Bituminous Coated Pipe, Add	10.95	
33 42 11 00-1392	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	118.40	14.64
	For Bituminous Coated Pipe, Add	12.56	
33 42 11 00-1393	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	152.13	18.81
	For Bituminous Coated Pipe, Add	15.89	
33 42 11 00-1394	12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1383)		
33 42 11 00-1395	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	148.41	14.64
	For Bituminous Coated Pipe, Add	11.97	
33 42 11 00-1396	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	189.55	18.81
	For Bituminous Coated Pipe, Add	15.10	
33 42 11 00-1397	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	240.62	24.60
	For Bituminous Coated Pipe, Add	18.85	
33 42 11 00-1398	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	279.80	29.07
	For Bituminous Coated Pipe, Add	22.29	
33 42 11 00-1399	10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1383)		
33 42 11 00-1400	LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	288.34	24.60
	For Bituminous Coated Pipe, Add	18.19	
33 42 11 00-1401	LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	335.56	29.07
	For Bituminous Coated Pipe, Add	21.45	
33 42 11 00-1402	LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	390.65	33.54
	For Bituminous Coated Pipe, Add	25.14	
33 42 11 00-1403	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	436.86	38.02
	For Bituminous Coated Pipe, Add	27.97	
33 42 11 00-1404	3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1382)		
33 42 11 00-1405	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1404)		
33 42 11 00-1406	LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	332.61	38.02
33 42 11 00-1407	LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	364.28	40.25
33 42 11 00-1408	LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	443.62	49.20
33 42 11 00-1409	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1404)		
33 42 11 00-1410	LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	412.03	38.02
33 42 11 00-1411	LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	452.24	40.25
33 42 11 00-1412	LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	539.69	49.20
33 42 11 00-1413	LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	619.29	71.56
33 42 11 00-1414	LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	667.05	78.27
33 42 11 00-1415	LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	711.93	83.86



Utilities		33	CS
Stormwater Utilities		33 40	
Stormwater Conveyance		33 42	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1416	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1404)		
33 42 11 00-1417	LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	544.62	40.25
33 42 11 00-1418	LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	637.16	49.20
33 42 11 00-1419	LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	725.52	71.56
33 42 11 00-1420	LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	782.07	78.27
33 42 11 00-1421	LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	835.59	83.86
33 42 11 00-1422	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	889.05	89.45
33 42 11 00-1423	Corrugated Steel Pipe Fittings (33 42 11 00-0498) Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1424	Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings (33 42 11 00-1423) Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1425	EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	91.98	
33 42 11 00-1426	EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	115.35	
33 42 11 00-1427	EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	138.72	
33 42 11 00-1428	EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	163.56	
33 42 11 00-1429	EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	198.59	
33 42 11 00-1430	EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	233.62	
33 42 11 00-1431	EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	268.68	
33 42 11 00-1432	EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	303.71	
33 42 11 00-1433	EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	395.72	
33 42 11 00-1434	EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	471.63	
33 42 11 00-1435	EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	547.58	
33 42 11 00-1436	EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	708.20	
33 42 11 00-1437	EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	798.74	
33 42 11 00-1438	EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	892.20	
33 42 11 00-1439	EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	988.56	
33 42 11 00-1440	EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,204.67	
33 42 11 00-1441	EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,314.17	
33 42 11 00-1442	EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,426.61	
33 42 11 00-1443	EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,750.77	
33 42 11 00-1444	EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,879.29	
33 42 11 00-1445	EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	2,009.24	
33 42 11 00-1446	EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,139.19	
33 42 11 00-1447	EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,267.68	
33 42 11 00-1448	EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,397.65	
33 42 11 00-1449	EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,534.67	
33 42 11 00-1450	EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,679.52	
33 42 11 00-1451	EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,832.62	
33 42 11 00-1452	Fabricate Corrugated Steel Pipe Tees Or Laterals (33 42 11 00-1423) Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1453	EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	119.74	
33 42 11 00-1454	EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	153.33	
33 42 11 00-1455	EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	186.88	
33 42 11 00-1456	EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	220.49	
33 42 11 00-1457	EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	268.68	
33 42 11 00-1458	EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	318.31	
33 42 11 00-1459	EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	367.99	
33 42 11 00-1460	EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	417.59	
33 42 11 00-1461	EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	547.58	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1462	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	652.71	
33 42 11 00-1463	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	759.29	
33 42 11 00-1464	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	985.62	
33 42 11 00-1465	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,109.75	
33 42 11 00-1466	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,238.23	
33 42 11 00-1467	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,369.66	
33 42 11 00-1468	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,670.45	
33 42 11 00-1469	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,819.42	
33 42 11 00-1470	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,971.26	
33 42 11 00-1471	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,425.36	
33 42 11 00-1472	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,599.14	
33 42 11 00-1473	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,772.91	
33 42 11 00-1474	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,948.11	
33 42 11 00-1475	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,123.35	
33 42 11 00-1476	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,297.08	
33 42 11 00-1477	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	3,480.52	
33 42 11 00-1478	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,674.15	
33 42 11 00-1479	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,878.52	

33 42 11 00-1480 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1423)

Note: Applied to pipe tasks.

33 42 11 00-1481	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	46.27	
33 42 11 00-1482	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	58.20	
33 42 11 00-1483	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	73.21	
33 42 11 00-1484	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	89.65	
33 42 11 00-1485	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	113.44	
33 42 11 00-1486	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	138.92	
33 42 11 00-1487	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	162.71	
33 42 11 00-1488	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	189.04	
33 42 11 00-1489	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	232.20	
33 42 11 00-1490	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	276.84	
33 42 11 00-1491	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	330.32	
33 42 11 00-1492	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	406.33	
33 42 11 00-1493	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	459.92	
33 42 11 00-1494	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	517.95	
33 42 11 00-1495	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	628.11	
33 42 11 00-1496	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	696.56	
33 42 11 00-1497	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	849.87	
33 42 11 00-1498	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	925.81	
33 42 11 00-1499	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,006.21	
33 42 11 00-1500	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,085.04	
33 42 11 00-1501	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,165.42	
33 42 11 00-1502	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,247.27	
33 42 11 00-1503	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,327.67	
33 42 11 00-1504	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,408.03	
33 42 11 00-1505	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,493.25	
33 42 11 00-1506	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,583.61	
33 42 11 00-1507	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,679.45	

33 42 11 00-1508 Saddles, Corrugated Steel Pipe Fitting (33 42 11 00-1423)

Note: For Field Tap

33 42 11 00-1509	EA	6" Saddle, Corrugated Steel Pipe Fitting.....	296.24	
33 42 11 00-1510	EA	8" Saddle, Corrugated Steel Pipe Fitting.....	334.23	
33 42 11 00-1511	EA	10" Saddle, Corrugated Steel Pipe Fitting.....	384.35	
33 42 11 00-1512	EA	12" Saddle, Corrugated Steel Pipe Fitting.....	470.43	
33 42 11 00-1513	EA	15" Saddle, Corrugated Steel Pipe Fitting.....	580.82	
33 42 11 00-1514	EA	18" Saddle, Corrugated Steel Pipe Fitting.....	693.56	
33 42 11 00-1515	EA	21" Saddle, Corrugated Steel Pipe Fitting.....	874.81	
33 42 11 00-1516	EA	24" Saddle, Corrugated Steel Pipe Fitting.....	1,040.03	
33 42 11 00-1517	EA	30" Saddle, Corrugated Steel Pipe Fitting.....	1,307.16	
33 42 11 00-1518	EA	36" Saddle, Corrugated Steel Pipe Fitting.....	1,686.59	
33 42 11 00-1519	EA	42" Saddle, Corrugated Steel Pipe Fitting.....	1,991.89	
33 42 11 00-1520	EA	48" Saddle, Corrugated Steel Pipe Fitting.....	2,343.12	
33 42 11 00-1521	EA	54" Saddle, Corrugated Steel Pipe Fitting.....	2,788.33	
33 42 11 00-1522	EA	60" Saddle, Corrugated Steel Pipe Fitting.....	3,305.44	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1523	EA	66" Saddle, Corrugated Steel Pipe Fitting	3,765.02	
33 42 11 00-1524	EA	72" Saddle, Corrugated Steel Pipe Fitting	4,198.13	
33 42 11 00-1525	EA	78" Saddle, Corrugated Steel Pipe Fitting	4,926.00	
33 42 11 00-1526	EA	84" Saddle, Corrugated Steel Pipe Fitting	5,441.64	
33 42 11 00-1527	EA	90" Saddle, Corrugated Steel Pipe Fitting	6,443.18	
33 42 11 00-1528	EA	96" Saddle, Corrugated Steel Pipe Fitting	7,122.69	
33 42 11 00-1529	EA	102" Saddle, Corrugated Steel Pipe Fitting	8,082.37	
33 42 11 00-1530	EA	108" Saddle, Corrugated Steel Pipe Fitting	9,172.97	
33 42 11 00-1531	EA	114" Saddle, Corrugated Steel Pipe Fitting	10,409.50	
33 42 11 00-1532	EA	120" Saddle, Corrugated Steel Pipe Fitting	11,811.10	
33 42 11 00-1533 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1423)				
33 42 11 00-1534	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	17.98	
		<i>For Bituminous Coated, Add</i>	5.21	
33 42 11 00-1535	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	23.86	
		<i>For Bituminous Coated, Add</i>	6.92	
33 42 11 00-1536	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	30.06	
		<i>For Bituminous Coated, Add</i>	8.72	
33 42 11 00-1537	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	49.90	
		<i>For Bituminous Coated, Add</i>	14.47	
33 42 11 00-1538	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	62.92	
		<i>For Bituminous Coated, Add</i>	18.25	
33 42 11 00-1539	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	92.31	
		<i>For Bituminous Coated, Add</i>	26.77	
33 42 11 00-1540	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	109.56	
		<i>For Bituminous Coated, Add</i>	31.77	
33 42 11 00-1541	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	124.23	
		<i>For Bituminous Coated, Add</i>	36.03	
33 42 11 00-1542	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	214.99	
		<i>For Bituminous Coated, Add</i>	62.35	
33 42 11 00-1543	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	343.97	
		<i>For Bituminous Coated, Add</i>	82.55	
33 42 11 00-1544	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	404.15	
		<i>For Bituminous Coated, Add</i>	97.00	
33 42 11 00-1545	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	452.86	
		<i>For Bituminous Coated, Add</i>	108.69	
33 42 11 00-1546	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	642.23	
		<i>For Bituminous Coated, Add</i>	154.14	
33 42 11 00-1547	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	918.58	
		<i>For Bituminous Coated, Add</i>	165.34	
33 42 11 00-1548	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,128.92	
		<i>For Bituminous Coated, Add</i>	203.21	
33 42 11 00-1549	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,450.16	
		<i>For Bituminous Coated, Add</i>	203.02	
33 42 11 00-1550	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,551.04	
		<i>For Bituminous Coated, Add</i>	217.15	
33 42 11 00-1551	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,652.50	
		<i>For Bituminous Coated, Add</i>	231.35	
33 42 11 00-1552	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,753.43	
		<i>For Bituminous Coated, Add</i>	245.48	
33 42 11 00-1553	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,854.62	
		<i>For Bituminous Coated, Add</i>	259.65	
33 42 11 00-1554	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,956.07	
		<i>For Bituminous Coated, Add</i>	273.85	
33 42 11 00-1555	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	2,057.06	
		<i>For Bituminous Coated, Add</i>	287.99	
33 42 11 00-1556	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,436.36	
		<i>For Bituminous Coated, Add</i>	292.36	
33 42 11 00-1557	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,258.87	
		<i>For Bituminous Coated, Add</i>	271.06	
33 42 11 00-1558	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,359.55	
		<i>For Bituminous Coated, Add</i>	283.15	
33 42 11 00-1559	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,460.95	
		<i>For Bituminous Coated, Add</i>	295.31	
33 42 11 00-1560	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,562.45	
		<i>For Bituminous Coated, Add</i>	307.49	
33 42 11 00-1561 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1423)				
33 42 11 00-1562	EA	12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	645.78	167.27
33 42 11 00-1563	EA	15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	744.64	209.09
33 42 11 00-1564	EA	18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	867.26	271.82
33 42 11 00-1565	EA	24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,245.08	376.37
33 42 11 00-1566	EA	30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,638.90	439.09
33 42 11 00-1567	EA	36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,246.12	514.32
33 42 11 00-1568	EA	42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,666.83	603.77
33 42 11 00-1569	EA	48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,110.79	603.77
33 42 11 00-1570	EA	54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,736.83	827.39
33 42 11 00-1571	EA	60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,213.88	827.39
33 42 11 00-1572	EA	66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,969.13	1,051.01
33 42 11 00-1573	EA	72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,247.41	1,118.10

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1574 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1423)				
33 42 11 00-1575	EA	12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	443.59	125.45
33 42 11 00-1576	EA	15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	540.65	156.82
33 42 11 00-1577	EA	18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	634.57	209.09
33 42 11 00-1578	EA	24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	928.33	292.74
33 42 11 00-1579	EA	30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,117.87	334.55
33 42 11 00-1580	EA	36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,542.50	380.16
33 42 11 00-1581	EA	42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,828.70	447.24
33 42 11 00-1582	EA	48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,094.57	447.24
33 42 11 00-1583	EA	54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,554.24	626.14
33 42 11 00-1584	EA	60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,902.07	626.14
33 42 11 00-1585	EA	66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,498.39	782.67
33 42 11 00-1586	EA	72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,736.92	832.98
33 42 13 Stormwater Culverts (33 42)				
33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)				
33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)				
Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0916 for crane lifting equipment.				
33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	451.78	55.91
		For Each LF Of Cut-Off Section, Add	18.07	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	509.14	55.91
		For Each LF Of Cut-Off Section, Add	20.37	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	601.79	55.91
		For Each LF Of Cut-Off Section, Add	24.07	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	722.45	69.88
		For Each LF Of Cut-Off Section, Add	28.90	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	740.10	69.88
		For Each LF Of Cut-Off Section, Add	29.60	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	748.93	69.88
		For Each LF Of Cut-Off Section, Add	29.96	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	772.18	72.67
		For Each LF Of Cut-Off Section, Add	30.89	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	776.60	72.67
		For Each LF Of Cut-Off Section, Add	31.06	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	856.01	72.67
		For Each LF Of Cut-Off Section, Add	34.24	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	878.42	83.86
		For Each LF Of Cut-Off Section, Add	35.14	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	938.94	114.05
		For Each LF Of Cut-Off Section, Add	37.56	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	860.42	72.67
		For Each LF Of Cut-Off Section, Add	34.42	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	882.83	83.86
		For Each LF Of Cut-Off Section, Add	35.31	
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	896.07	83.86
		For Each LF Of Cut-Off Section, Add	35.84	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,080.93	111.81
		For Each LF Of Cut-Off Section, Add	43.24	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,084.46	111.81
		For Each LF Of Cut-Off Section, Add	43.38	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,199.61	139.77
		For Each LF Of Cut-Off Section, Add	47.98	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,194.76	111.81
		For Each LF Of Cut-Off Section, Add	47.79	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,264.03	139.77
		For Each LF Of Cut-Off Section, Add	50.56	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,268.44	139.77
		For Each LF Of Cut-Off Section, Add	50.74	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,541.98	139.77
		For Each LF Of Cut-Off Section, Add	61.68	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,615.67	167.72
		For Each LF Of Cut-Off Section, Add	64.63	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,633.32	167.72
		For Each LF Of Cut-Off Section, Add	65.33	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,637.73	167.72
		For Each LF Of Cut-Off Section, Add	65.51	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,643.91	167.72
		For Each LF Of Cut-Off Section, Add	65.76	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,706.99	195.66
		For Each LF Of Cut-Off Section, Add	68.28	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,706.99	195.66
		For Each LF Of Cut-Off Section, Add	68.28	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,706.99	195.66
		For Each LF Of Cut-Off Section, Add	68.28	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,706.99	195.66
		For Each LF Of Cut-Off Section, Add	68.28	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,486.59	223.62
		For Each LF Of Cut-Off Section, Add	99.46	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,457.23	223.62
		For Each LF Of Cut-Off Section, Add	138.29	
33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways (33 42 13 13)				
Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0916 for crane lifting equipment.				
33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,127.26	55.91
		For Each LF Of Cut-Off Section, Add	45.09	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,212.02	55.91
		For Each LF Of Cut-Off Section, Add	48.48	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,362.01	55.91
		For Each LF Of Cut-Off Section, Add	54.48	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,539.99	69.88
		For Each LF Of Cut-Off Section, Add	61.60	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,689.99	69.88
		For Each LF Of Cut-Off Section, Add	67.60	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,839.99	69.88
		For Each LF Of Cut-Off Section, Add	73.60	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,695.60	72.67
		For Each LF Of Cut-Off Section, Add	67.82	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,845.60	72.67
		For Each LF Of Cut-Off Section, Add	73.82	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,145.60	72.67
		For Each LF Of Cut-Off Section, Add	85.82	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,018.01	83.86
		For Each LF Of Cut-Off Section, Add	80.72	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,378.49	114.05
		For Each LF Of Cut-Off Section, Add	95.14	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,845.60	72.67
		For Each LF Of Cut-Off Section, Add	73.82	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,018.01	83.86
		For Each LF Of Cut-Off Section, Add	80.72	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,168.01	83.86
		For Each LF Of Cut-Off Section, Add	86.72	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,374.00	111.81
		For Each LF Of Cut-Off Section, Add	94.96	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,524.00	111.81
		For Each LF Of Cut-Off Section, Add	100.96	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,880.03	139.77
		For Each LF Of Cut-Off Section, Add	115.20	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,548.55	111.81
		For Each LF Of Cut-Off Section, Add	101.94	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,925.17	139.77
		For Each LF Of Cut-Off Section, Add	117.01	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,892.53	139.77
		For Each LF Of Cut-Off Section, Add	115.70	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,070.64	139.77
		For Each LF Of Cut-Off Section, Add	122.83	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,304.79	167.72
		For Each LF Of Cut-Off Section, Add	132.19	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,482.90	167.72
		For Each LF Of Cut-Off Section, Add	139.32	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,661.04	167.72
		For Each LF Of Cut-Off Section, Add	146.44	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,839.15	167.72
		For Each LF Of Cut-Off Section, Add	153.57	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,834.56	195.66
		For Each LF Of Cut-Off Section, Add	153.38	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,037.02	195.66
		For Each LF Of Cut-Off Section, Add	161.48	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,442.00	195.66
		For Each LF Of Cut-Off Section, Add	177.68	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,846.99	195.66
		For Each LF Of Cut-Off Section, Add	193.88	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,802.99	223.62
		For Each LF Of Cut-Off Section, Add	232.12	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,332.91	223.62
		For Each LF Of Cut-Off Section, Add	293.32	

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42 23)

33 42 23 00-0001 Headwalls (33 42 23)
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls (33 42 23 00-0001)
Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)
Note: Sized by pipe diameter.

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0004 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,660.39	749.20
33 42 23 00-0005 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,091.94	799.15
33 42 23 00-0006 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,732.39	1,046.76
33 42 23 00-0007 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,269.14	1,498.40
33 42 23 00-0008 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,932.25	1,997.86
33 42 23 00-0009 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,214.35	2,633.40
33 42 23 00-0010 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,938.94	3,632.44
33 42 23 00-0011 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,816.42	4,281.08
33 42 23 00-0012 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	14,215.18	5,211.86
33 42 23 00-0013 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	17,059.20	6,309.02
33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)		
33 42 23 00-0015 EA 12" Pipe, Precast Concrete Headwall	898.15	188.19
33 42 23 00-0016 EA 15" Pipe, Precast Concrete Headwall	929.51	198.64
33 42 23 00-0017 EA 18" Pipe, Precast Concrete Headwall	1,023.25	225.82
33 42 23 00-0018 EA 24" Pipe, Precast Concrete Headwall	1,130.26	240.46
33 42 23 00-0019 EA 30" Pipe, Precast Concrete Headwall	1,516.10	282.28
33 42 23 00-0020 EA 36" Pipe, Precast Concrete Headwall	1,703.58	292.74
33 42 23 00-0021 EA 42" Pipe, Precast Concrete Headwall	2,239.60	345.05
33 42 23 00-0022 EA 48" Pipe, Precast Concrete Headwall	2,472.55	380.16
33 42 23 00-0023 EA 54" Pipe, Precast Concrete Headwall	2,728.57	402.51
33 42 23 00-0024 EA 60" Pipe, Precast Concrete Headwall	3,095.86	402.51
33 42 23 00-0025 EA 72" Pipe, Precast Concrete Headwall	3,740.95	503.15
33 42 23 00-0026 EA 84" Pipe, Precast Concrete Headwall	5,298.37	603.77
33 42 23 00-0027 Precast Concrete Wingwalls (33 42 23 00-0001)		
33 42 23 00-0028 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall	5,610.41	1,992.45
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0029 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall	5,945.84	2,213.83
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0030 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall	6,504.89	2,582.80
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0031 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall	7,063.93	2,951.77
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0032 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall	7,063.93	2,951.77
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0033 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall	7,287.56	3,099.35
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0034 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall	12,528.58	3,173.15
Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0035 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall	12,864.01	3,394.53
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)		
33 42 23 00-0037 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,739.16	782.67
33 42 26 End Sections for Stormwater Piping (33 42)		
33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)		
33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)		
33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	328.51	73.18
33 42 26 16-0005 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	384.62	78.41
33 42 26 16-0006 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	453.13	83.64
33 42 26 16-0007 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	553.84	91.48
33 42 26 16-0008 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	614.57	99.32
33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,015.62	112.38
33 42 26 16-0011 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,323.78	134.17
33 42 26 16-0012 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,059.77	156.53
33 42 26 16-0013 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,522.50	178.90
33 42 26 16-0014 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,999.62	223.62
33 42 26 16-0015 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,499.42	268.34
33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
Note: Stubbbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	344.78	73.18
33 42 26 16-0018 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	401.35	78.41
33 42 26 16-0019 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	478.85	83.64



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0020 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	584.73	91.48
33 42 26 16-0021 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	649.59	99.32
33 42 26 16-0022 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,123.16	112.38
33 42 26 16-0023 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,458.63	134.17
33 42 26 16-0024 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,351.37	156.53
33 42 26 16-0025 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,898.80	178.90
33 42 26 16-0026 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,380.16	223.62
33 42 26 16-0027 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,704.69	268.34
33 42 26 16-0028 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,290.67	402.51
33 42 26 16-0029 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	6,158.50	536.69
33 42 26 16-0030 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	6,712.60	575.82
33 42 26 16-0031 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	7,280.70	614.95
33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)		
33 42 26 16-0033 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	44.71	
33 42 26 16-0034 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	50.08	
33 42 26 16-0035 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	56.69	
33 42 26 16-0036 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	61.67	
33 42 26 16-0037 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	69.15	
33 42 26 16-0038 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	122.35	
33 42 26 16-0039 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	131.62	
33 42 26 16-0040 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	181.89	
33 42 26 16-0041 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	194.34	
33 42 26 16-0042 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	237.84	
33 42 26 16-0043 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	243.12	
33 42 26 16-0044 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	258.38	
33 42 26 16-0045 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	290.40	
33 42 26 16-0046 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	325.11	
33 42 26 16-0047 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	332.30	
33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)		
33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	384.62	78.41
33 42 26 16-0051 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	453.13	83.64
33 42 26 16-0052 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	553.84	91.48
33 42 26 16-0053 EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	614.57	99.32
33 42 26 16-0054 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	370.57	78.41
33 42 26 16-0056 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	427.15	83.64
33 42 26 16-0057 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	479.46	91.48
33 42 26 16-0058 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	543.54	99.32
33 42 26 16-0059 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	813.13	112.38
33 42 26 16-0060 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,203.40	134.17
33 42 26 16-0061 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,899.70	156.53
33 42 26 16-0062 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,415.83	178.90
33 42 26 16-0063 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	377.70	78.41
33 42 26 16-0065 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	442.64	83.64
33 42 26 16-0066 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	503.69	91.48
33 42 26 16-0067 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	572.26	99.32
33 42 26 16-0068 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	861.94	112.38
33 42 26 16-0069 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,269.98	134.17
33 42 26 16-0070 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,006.21	156.53
33 42 26 16-0071 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,538.41	178.90
33 42 26 16-0072 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,049.98	223.62
33 42 26 16-0073 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	4,022.37	268.34
33 42 26 16-0074 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,599.95	402.51
33 42 26 16-0075 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	6,154.36	536.69
33 42 26 16-0076 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)		
33 42 26 16-0077 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	50.08	
33 42 26 16-0078 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	56.69	
33 42 26 16-0079 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	61.67	
33 42 26 16-0080 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	69.15	
33 42 26 16-0081 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	122.35	
33 42 26 16-0082 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	131.62	
33 42 26 16-0083 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	181.89	
33 42 26 16-0084 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	202.40	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	237.84		
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	246.32		
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	284.52		
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	319.18		
33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)					
33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)					
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	517.64	73.18	
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	599.96	78.41	
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	716.67	83.64	
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	895.49	91.48	
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,181.18	99.32	
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,792.34	112.38	
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,449.05	134.17	
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,067.83	134.17	
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,921.39	156.53	
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,623.00	178.90	
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,213.61	223.62	
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,394.28	268.34	
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,450.20	402.51	
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,014.68	536.69	
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,035.95	575.82	
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,695.82	614.95	
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	17,468.73	670.86	
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	19,347.89	726.76	
33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)					
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	81.05		
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	86.11		
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	93.80		
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	105.97		
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	112.21		
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	144.85		
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	171.49		
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	181.82		
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	199.55		
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	225.59		
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	267.42		
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	380.86		
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	407.41		
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	510.51		
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	551.72		
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	587.62		
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	625.51		
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	663.64		
33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)					
33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)					
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	619.96	78.41	
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	765.42	83.64	
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	830.83	91.48	
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	896.17	99.32	
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,364.83	112.38	
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,477.49	134.17	
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,634.37	134.17	
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,534.44	156.53	
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,472.32	178.90	
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,254.52	223.62	
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,563.45	268.34	
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,697.78	402.51	
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,260.69	536.69	
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,443.55	575.82	
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,067.28	614.95	
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,423.12	670.86	
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	17,388.94	726.76	
33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)					
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	86.11		
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	93.80		
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	98.74		
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	108.23		
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	122.13		
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	158.42		
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	174.90		



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	199.55	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	225.59	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	267.42	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	344.21	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	438.10	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	587.21	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	668.48	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	698.99	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	723.24	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	753.41	
33 42 26 16-0165	Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)			
33 42 26 16-0166	4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)			
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	812.04	78.41
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,056.61	83.64
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,300.61	91.48
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,562.27	99.32
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,648.29	112.38
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,161.41	134.17
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,457.14	156.53
33 42 26 16-0174	3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165) Note: Includes nut and bolt set.			
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	589.24	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,204.73	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,322.15	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,373.23	
33 42 26 16-0179	6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)			
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	852.67	78.41
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,129.70	83.64
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,515.67	91.48
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,785.79	99.32
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,122.79	112.38
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,580.23	134.17
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	3,981.16	156.53
33 42 26 16-0187	3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165) Note: Includes nut and bolt set.			
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,164.21	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,233.47	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,356.12	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,420.28	
33 42 26 16-0192	Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)			
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	96.88	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	109.42	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	119.17	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	133.33	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	206.01	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	221.16	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	299.63	
33 42 26 16-0200	Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)			
33 42 26 16-0201	4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)			
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	971.03	83.64
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,226.88	91.48
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,457.85	99.32
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	2,794.67	112.38
33 42 26 16-0206	3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0200) Note: Includes nut and bolt set.			
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	705.16	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,304.25	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,373.23	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	2,032.02	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End

Section (33 42 26 16-0200)

33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	97.75	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	111.36	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	121.43	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	143.25	

33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping (33 42 26)**33 42 26 19-0001 Corrugated High-Density Polyethylene (HDPE) Pipe End Sections (33 42 26 19)**

33 42 26 19-0002	EA	4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	55.15	21.60
33 42 26 19-0003	EA	6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	95.86	32.41
33 42 26 19-0004	EA	8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	127.09	40.50
33 42 26 19-0005	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	201.05	64.81
33 42 26 19-0006	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	235.20	72.91
33 42 26 19-0007	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	250.47	78.32
33 42 26 19-0008	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	292.37	86.42
33 42 26 19-0009	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	369.84	102.61
33 42 26 19-0010	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	678.98	116.12
33 42 26 19-0011	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	817.68	129.62

33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)**33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)****33 42 26 23-0002 Precast Concrete End Sections (33 42 26 23-0001)**

33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	742.19	122.63
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	996.67	151.80
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,233.92	192.16
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,415.76	229.80
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,504.03	265.97
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,892.03	333.19
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,344.31	500.46
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,894.17	631.50
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,500.85	792.17
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,836.26	893.36
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,183.73	1,000.69
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,539.94	1,112.51
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	4,526.14	891.26
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	5,181.28	1,114.05
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	6,158.33	1,392.57
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	7,286.26	1,671.08

33 42 26 23-0019 Flared Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	934.44	130.26
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,125.19	162.34
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,365.82	205.51
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,560.43	245.76
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,904.43	284.44
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,294.15	454.28
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,383.38	625.46
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,221.50	789.38
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	3,864.78	990.41
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,180.84	1,116.97
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	4,676.27	1,251.04
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,180.99	1,389.56
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	6,043.49	1,601.00
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	7,050.77	1,786.94
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	7,995.70	2,010.22
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	9,225.40	2,233.28

33 42 26 23-0036 Elliptical Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	1,630.13	205.51
		For 1 End Section, Add	617.20	
		For 2 Or 3 End Sections, Add	308.60	
33 42 26 23-0038	EA	18" x 24" Elliptical Precast Concrete End Section	1,858.30	245.76
		For 1 End Section, Add	737.94	
		For 2 Or 3 End Sections, Add	368.97	
33 42 26 23-0039	EA	19" x 30" Elliptical Precast Concrete End Section	2,273.77	284.44
		For 1 End Section, Add	854.20	
		For 2 Or 3 End Sections, Add	427.10	
33 42 26 23-0040	EA	22" x 34" Elliptical Precast Concrete End Section	2,697.18	454.28
		For 1 End Section, Add	1,364.12	
		For 2 Or 3 End Sections, Add	682.06	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0041 EA 24" x 38" Elliptical Precast Concrete End Section For 1 End Section, Add For 2 Or 3 End Sections, Add	2,744.42 1,878.46 939.23	625.46
33 42 26 23-0042 EA 27" x 42" Elliptical Precast Concrete End Section For 1 End Section, Add For 2 Or 3 End Sections, Add	3,237.51 2,124.38 1,062.19	707.75
33 42 26 23-0043 EA 29" x 45" Elliptical Precast Concrete End Section For 1 End Section, Add For 2 Or 3 End Sections, Add	3,730.59 2,370.28 1,185.14	789.38
33 42 26 23-0044 EA 34" x 53" Elliptical Precast Concrete End Section For 1 End Section, Add For 2 Or 3 End Sections, Add	4,459.27 2,973.66 1,486.83	990.41
33 42 26 23-0045 EA 38" x 60" Elliptical Precast Concrete End Section For 1 End Section, Add For 2 Or 3 End Sections, Add	4,806.79 3,354.04 1,677.02	1,116.97
33 42 26 23-0046 EA 43" x 68" Elliptical Precast Concrete End Section For 1 End Section, Add For 2 Or 3 End Sections, Add	5,375.78 3,756.48 1,878.24	1,251.04
33 42 26 23-0047 EA 48" x 76" Elliptical Precast Concrete End Section For 1 End Section, Add For 2 Or 3 End Sections, Add	5,954.46 4,174.20 2,087.10	1,389.56
33 42 31 Stormwater Area Drains and Inlets (33 42)		
33 42 31 00-0001 Storm Drains (33 42 31) See CSI section 33 05 61 00-0001 for manhole structures.		
33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001) Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002) Note: Inside dimensions.		
33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,949.83	368.50
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,326.32	431.76
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,702.82	494.91
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,079.31	558.18
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,455.81	621.33
33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,479.90	366.27
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,075.23	488.37
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,936.40	665.95
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,786.95	776.95
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,470.58	887.93
33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,663.99	399.57
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,689.23	554.96
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,519.11	721.45
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,218.96	832.45
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,622.24	1,065.53
33 42 31 00-0022 Cast In Place, Catch Basin (33 42 31 00-0002) Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,426.05	445.52
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,574.03	473.71
33 42 31 00-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,809.97	508.79
33 42 31 00-0027 EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,158.14	563.18
33 42 31 00-0028 EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,403.52	599.47
33 42 31 00-0029 EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,565.75	628.66
33 42 31 00-0030 EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,811.34	664.95
33 42 31 00-0031 EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,969.34	694.26
33 42 31 00-0032 EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,217.22	730.44
33 42 31 00-0033 EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,377.15	759.74
33 42 31 00-0034 EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,622.63	796.03
33 42 31 00-0035 VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	577.86	99.45
33 42 31 00-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,793.23	515.01
33 42 31 00-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,980.97	551.19
33 42 31 00-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,226.65	587.48
33 42 31 00-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,633.66	650.64
33 42 31 00-0041 EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,903.64	691.70
33 42 31 00-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,090.23	725.78
33 42 31 00-0043 EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,364.19	766.85

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,550.80	800.92
33 42 31 00-0045 EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,822.94	841.99
33 42 31 00-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,009.07	876.07
33 42 31 00-0047 EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,281.33	917.13
33 42 31 00-0048 VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	660.19	114.65
33 42 31 00-0049 4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0050 EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,186.63	589.15
33 42 31 00-0051 EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,384.10	626.55
33 42 31 00-0052 EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,667.25	670.83
33 42 31 00-0053 EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,133.77	742.87
33 42 31 00-0054 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,432.24	788.71
33 42 31 00-0055 EA 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,644.92	827.67
33 42 31 00-0056 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,943.37	873.51
33 42 31 00-0057 EA 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,156.53	912.47
33 42 31 00-0058 EA 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,454.99	958.31
33 42 31 00-0059 EA 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,667.67	997.26
33 42 31 00-0060 EA 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,966.14	1,043.22
33 42 31 00-0061 VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	745.73	130.41
33 42 31 00-0062 4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0063 EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,696.58	683.16
33 42 31 00-0064 EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,928.52	721.78
33 42 31 00-0065 EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,244.42	771.73
33 42 31 00-0066 EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,776.69	853.64
33 42 31 00-0067 EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,110.39	905.36
33 42 31 00-0068 EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,358.43	950.09
33 42 31 00-0069 EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,691.66	1,001.82
33 42 31 00-0070 EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,939.70	1,046.65
33 42 31 00-0071 EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,273.40	1,098.38
33 42 31 00-0072 EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,519.14	1,143.11
33 42 31 00-0073 EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,854.65	1,194.83
33 42 31 00-0074 VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	856.89	149.40
33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0076 EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,754.15	866.51
33 42 31 00-0077 EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,347.14	957.53
33 42 31 00-0078 EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,709.77	1,014.24
33 42 31 00-0079 EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,984.46	1,063.97
33 42 31 00-0080 EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,342.98	1,120.58
33 42 31 00-0081 EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,619.94	1,170.30
33 42 31 00-0082 EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,980.28	1,227.02
33 42 31 00-0083 EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,253.13	1,276.74
33 42 31 00-0084 EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,615.77	1,333.35
33 42 31 00-0085 VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,306.77	166.71
33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0087 EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,288.84	966.30
33 42 31 00-0088 EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,175.56	1,093.84
33 42 31 00-0089 EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,579.61	1,156.87
33 42 31 00-0090 EA 5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,895.70	1,213.37
33 42 31 00-0091 EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,301.56	1,276.85
33 42 31 00-0092 EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,619.93	1,333.35
33 42 31 00-0093 EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,023.98	1,396.83
33 42 31 00-0094 EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,340.06	1,453.33
33 42 31 00-0095 EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,744.10	1,516.82
33 42 31 00-0096 VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,093.01	189.57
33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0098 EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,852.02	1,070.74
33 42 31 00-0099 EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,829.68	1,210.70
33 42 31 00-0100 EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,263.31	1,279.30
33 42 31 00-0101 EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,609.47	1,340.90
33 42 31 00-0102 EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,040.81	1,409.49
33 42 31 00-0103 EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,388.79	1,471.09
33 42 31 00-0104 EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,820.61	1,539.68
33 42 31 00-0105 EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,166.30	1,601.29
33 42 31 00-0106 EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,599.92	1,669.87
33 42 31 00-0107 VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,200.04	208.78
33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0109 EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,439.57	1,180.18
33 42 31 00-0110 EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,805.57	1,367.32
33 42 31 00-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,285.01	1,443.23



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,678.68		1,512.16
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,158.13		1,587.96
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,551.80		1,657.01
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,031.24		1,732.81
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,424.91		1,801.73
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,906.18		1,877.65
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,363.21		234.75
33 42 31 00-0119		7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)			
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	7,054.00		1,294.39
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,550.56		1,498.62
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,060.27		1,579.87
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,482.49		1,654.00
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,994.38		1,735.14
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,416.60		1,809.40
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,926.31		1,890.53
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,350.81		1,964.78
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,860.41		2,045.92
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,482.61		255.72
33 42 31 00-0130		7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)			
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	8,030.28		1,452.78
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,325.93		1,635.25
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,864.07		1,721.71
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,318.85		1,801.18
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,859.17		1,887.64
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,313.94		1,967.12
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,852.09		2,053.58
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,306.86		2,133.05
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,847.31		2,219.51
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,605.87		277.48
33 42 31 00-0141		8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)			
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	8,729.94		1,580.64
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,129.60		1,777.21
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,698.59		1,868.89
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,183.63		1,953.68
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,752.51		2,045.37
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,232.97		2,130.16
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,806.43		2,221.84
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,291.46		2,306.64
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,850.48		2,398.32
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,732.54		299.79
33 42 31 00-0152		Precast Concrete Catch Basins (33 42 31 00-0002)			
Note: Inside dimensions.					
33 42 31 00-0153		1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)			
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	733.62		227.92
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	1,020.87		341.89
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	1,294.00		444.44
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,549.57		525.35
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,908.59		666.67
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	2,183.53		769.23
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	152.11		51.28
33 42 31 00-0161		2' Diameter Precast Catch Basins (33 42 31 00-0152)			
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	835.84		253.56
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	1,156.73		376.07
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	1,460.46		495.73
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,743.30		578.35
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	2,160.23		740.75
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	2,468.29		854.70
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	172.00		61.54
33 42 31 00-0169		3' Diameter Precast Catch Basins (33 42 31 00-0152)			
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	1,102.62		299.15
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,505.38		442.16
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,891.69		584.05
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	2,355.92		729.35
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	2,783.05		869.52
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	3,195.45		1,011.97
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	219.86		72.28

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0177			4' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0178	EA		4' Deep, 4' Diameter Precast Catch Basin	1,333.44	332.76
33 42 31 00-0179	EA		6' Deep, 4' Diameter Precast Catch Basin	1,734.58	455.84
33 42 31 00-0180	EA		8' Deep, 4' Diameter Precast Catch Basin	2,323.83	683.76
33 42 31 00-0181	EA		10' Deep, 4' Diameter Precast Catch Basin	2,899.83	854.70
33 42 31 00-0182	EA		12' Deep, 4' Diameter Precast Catch Basin	3,428.05	1,025.65
33 42 31 00-0183	EA		14' Deep, 4' Diameter Precast Catch Basin	3,939.79	1,196.59
33 42 31 00-0184	VLF		Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	270.42	85.47
33 42 31 00-0185			5' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0186	EA		4' Deep, 5' Diameter Precast Catch Basin	1,795.25	455.84
33 42 31 00-0187	EA		6' Deep, 5' Diameter Precast Catch Basin	2,458.64	683.76
33 42 31 00-0188	EA		8' Deep, 5' Diameter Precast Catch Basin	3,125.40	911.68
33 42 31 00-0189	EA		10' Deep, 5' Diameter Precast Catch Basin	3,822.52	1,139.61
33 42 31 00-0190	EA		12' Deep, 5' Diameter Precast Catch Basin	4,509.53	1,367.53
33 42 31 00-0191	EA		14' Deep, 5' Diameter Precast Catch Basin	5,248.69	1,595.45
33 42 31 00-0192	VLF		Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	359.80	113.97
33 42 31 00-0193			6' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0194	EA		4' Deep, 6' Diameter Precast Catch Basin	2,627.15	683.76
33 42 31 00-0195	EA		6' Deep, 6' Diameter Precast Catch Basin	3,562.85	1,025.65
33 42 31 00-0196	EA		8' Deep, 6' Diameter Precast Catch Basin	4,563.41	1,367.53
33 42 31 00-0197	EA		10' Deep, 6' Diameter Precast Catch Basin	5,687.41	1,709.41
33 42 31 00-0198	EA		12' Deep, 6' Diameter Precast Catch Basin	6,777.71	2,051.29
33 42 31 00-0199	EA		14' Deep, 6' Diameter Precast Catch Basin	7,843.22	2,393.18
33 42 31 00-0200	VLF		Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	536.35	170.94
33 42 31 00-0201			Precast Catch Basins Accessories (33 42 31 00-0152)		
33 42 31 00-0202	EA		Single Or Double Wing Slab Top With Throat	1,589.82	740.75
33 42 31 00-0203	EA		4' x 4' Weir Box, Precast Catch Basin	726.82	91.16
33 42 31 00-0204	EA		4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	409.37	96.87
33 42 31 00-0205	EA		3' Diameter, Up To 6" High, Precast Extension Ring	510.77	142.45
			<i>For Each Additional Inch In Height, Add</i>	<i>61.37</i>	
33 42 31 00-0206	EA		4' Diameter, Up To 6" High, Precast Extension Ring	602.55	170.94
			<i>For Each Additional Inch In Height, Add</i>	<i>71.91</i>	
33 42 31 00-0207	EA		5' Diameter, Up To 6" High, Precast Extension Ring	702.80	199.43
			<i>For Each Additional Inch In Height, Add</i>	<i>83.93</i>	
33 42 31 00-0208	EA		6' Diameter, Up To 6" High, Precast Extension Ring	880.35	284.90
			<i>For Each Additional Inch In Height, Add</i>	<i>99.29</i>	
33 42 31 00-0209	EA		Adjust Existing Catch Basin Inlet Grate To Match Grade	683.72	
33 42 31 00-0210			Catch Basin Risers (33 42 31 00-0152)		
33 42 31 00-0211	EA		Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser	425.37	
33 42 31 00-0212	EA		>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	475.26	
33 42 31 00-0213	EA		>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	534.60	
33 42 31 00-0214	EA		Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	457.98	
33 42 31 00-0215	EA		>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	511.23	
33 42 31 00-0216	EA		>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	576.98	
33 42 31 00-0217	EA		Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	506.80	
33 42 31 00-0218	EA		>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	554.08	
33 42 31 00-0219	EA		>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	620.05	
33 42 31 00-0220			Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)		
			<i>Note: Inside span.</i>		
33 42 31 00-0221	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,091.88	878.84
33 42 31 00-0222	EA		6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,825.84	1,002.92
33 42 31 00-0223	EA		6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,657.56	1,138.23
33 42 31 00-0224	EA		7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,985.35	1,365.43
33 42 31 00-0225	EA		8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,731.63	1,648.45
33 42 31 00-0226			Precast Concrete Inlet Boxes (33 42 31 00-0002)		
			<i>Note: Inside dimensions.</i>		
33 42 31 00-0227			Precast Concrete Inlet Boxes (33 42 31 00-0226)		
33 42 31 00-0228			24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
			<i>Note: Yard inlet.</i>		
33 42 31 00-0229			24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0228)		
33 42 31 00-0230	EA		24" Height, 24" x 24" ID, Precast Concrete Inlet Box	918.32	79.77
33 42 31 00-0231	EA		30" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,078.96	96.87
33 42 31 00-0232	EA		36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,239.61	113.97
33 42 31 00-0233	EA		42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,401.68	131.77



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0234		24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0228)		
33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	223.33	
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	366.89	
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	521.83	
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	676.78	
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	831.73	
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	986.69	
33 42 31 00-0241		22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0242		22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0241)		
33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,869.19	223.62
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,101.13	258.56
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,333.07	293.50
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,565.18	328.52
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,797.29	363.55
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	3,029.40	398.57
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	3,261.50	433.60
33 42 31 00-0250		22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0241)		
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	436.79	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	714.05	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	771.08	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	990.13	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,209.16	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,419.60	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,651.54	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,883.48	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,115.59	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,347.70	
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,579.81	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,811.91	
33 42 31 00-0263		30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0264		30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0263)		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,795.51	245.98
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,027.07	284.42
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,258.62	322.85
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,490.36	361.38
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,722.11	399.90
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,953.84	438.43
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	3,185.58	476.95
33 42 31 00-0272		30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	432.16	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	698.84	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	757.00	
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	970.94	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,184.89	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,397.71	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,626.19	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,853.56	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,082.03	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,309.40	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,537.88	
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,766.35	
33 42 31 00-0285		42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0286		42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)		
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,141.14	268.34
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,413.31	311.95
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,685.50	356.67
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,956.57	400.28
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,228.75	445.00
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,500.95	488.60
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,772.00	532.21
33 42 31 00-0294		42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	479.27	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	790.83	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	850.66	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,094.32	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0299 EA 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,338.00	
33 42 31 00-0300 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,581.68	
33 42 31 00-0301 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,840.44	
33 42 31 00-0302 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,099.22	
33 42 31 00-0303 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,357.99	
33 42 31 00-0304 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,616.75	
33 42 31 00-0305 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,875.52	
33 42 31 00-0306 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	3,134.29	
33 42 31 00-0307 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)		
33 42 31 00-0308 EA 42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,211.04	167.72
33 42 31 00-0309 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0310 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)		
33 42 31 00-0311 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,057.07	298.15
33 42 31 00-0312 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,423.17	347.17
33 42 31 00-0313 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,789.29	396.17
33 42 31 00-0314 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,155.04	445.00
33 42 31 00-0315 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,520.80	493.83
33 42 31 00-0316 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,886.56	542.67
33 42 31 00-0317 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	5,252.31	591.49
33 42 31 00-0318 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)		
33 42 31 00-0319 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	480.54	
33 42 31 00-0320 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	778.45	
33 42 31 00-0321 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,139.72	
33 42 31 00-0322 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,500.98	
33 42 31 00-0323 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,843.63	
33 42 31 00-0324 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,204.90	
33 42 31 00-0325 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,571.00	
33 42 31 00-0326 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,937.12	
33 42 31 00-0327 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,302.88	
33 42 31 00-0328 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,668.63	
33 42 31 00-0329 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	4,034.39	
33 42 31 00-0330 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	4,400.14	
33 42 31 00-0331 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)		
33 42 31 00-0332 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,316.34	181.69
33 42 31 00-0333 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0334 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)		
33 42 31 00-0335 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,516.76	375.68
33 42 31 00-0336 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,917.24	438.45
33 42 31 00-0337 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,317.71	501.21
33 42 31 00-0338 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,717.50	563.63
33 42 31 00-0339 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	5,117.29	626.06
33 42 31 00-0340 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	5,517.07	688.48
33 42 31 00-0341 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	5,916.85	750.90
33 42 31 00-0342 48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0333)		
33 42 31 00-0343 EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	525.40	
33 42 31 00-0344 EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	831.64	
33 42 31 00-0345 EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,231.82	
33 42 31 00-0346 EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,631.98	
33 42 31 00-0347 EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,000.86	
33 42 31 00-0348 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,401.02	
33 42 31 00-0349 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,801.49	
33 42 31 00-0350 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,201.97	
33 42 31 00-0351 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,601.76	
33 42 31 00-0352 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	4,001.54	
33 42 31 00-0353 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	4,401.33	
33 42 31 00-0354 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	4,801.11	
33 42 31 00-0355 48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0333)		
33 42 31 00-0356 EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,463.12	203.49
33 42 31 00-0357 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0358 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0357)		
33 42 31 00-0359 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,395.96	506.49



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,901.77	590.35
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,407.61	673.09
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,912.33	756.95
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	6,418.15	839.69
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	6,922.88	922.42
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	7,429.82	1,006.28
33 42 31 00-0366 42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0357)				
33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	700.39	
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,089.93	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,587.94	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,085.94	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,551.52	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,049.53	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,555.35	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,061.19	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,565.90	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	5,071.73	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	5,576.45	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	6,082.28	
33 42 31 00-0379 42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0357)				
33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab.....	2,008.03	223.62
33 42 31 00-0381 Frames And Grates For Inlets (33 42 31 00-0226)				
33 42 31 00-0382 Inlet Frames And Grates (33 42 31 00-0381)				
33 42 31 00-0383	EA	24" x 24", Heavy-Duty Inlet Grate..... Note: For type A, B, D, or E inlets.	424.63	52.27
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT)..... Note: For type A, B, D, or E inlets.	551.88	52.27
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT)..... Note: Includes legend: Dump No Waste "Drains To Waterways".	551.88	52.27
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT)..... Note: Legend: Dump No Waste "Drains to Waterways"	551.88	52.27
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	605.14	52.27
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK).....	443.41	104.55
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	517.96	104.55
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4)..... Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	644.79	130.69
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	548.93	130.69
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	559.58	130.69
33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	580.88	130.69
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	602.18	130.69
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	580.88	130.69
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	602.18	130.69
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	623.49	130.69
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	900.40	130.69
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	943.01	130.69
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	985.61	130.69
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	666.09	130.69
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6).....	602.18	130.69
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8).....	602.18	130.69
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	1,243.10	130.69
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	1,243.10	130.69
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB).....	500.52	143.76
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648)..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	702.88	143.76
33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848)..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	702.88	143.76
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048)..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	777.43	143.76
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM).....	894.59	143.76
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM).....	766.78	143.76
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202).....	1,096.96	143.76
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002).....	969.15	143.76
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340).....	1,248.95	209.09
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342).....	2,015.80	209.09
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340).....	1,217.00	209.09
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342).....	1,915.69	209.09
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	2,043.83	313.64
33 42 31 00-0419	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	2,092.10	418.19
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	2,295.53	418.19
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	2,295.53	418.19
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	2,029.26	418.19
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	2,029.26	418.19
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	2,380.74	418.19

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0425 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)**33 42 31 00-0426 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0425)**

33 42 31 00-0427	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,840.02
33 42 31 00-0428	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,300.27
33 42 31 00-0429	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,727.92
33 42 31 00-0430	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,122.93
33 42 31 00-0431	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,485.34
33 42 31 00-0432	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,815.14
33 42 31 00-0433	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,552.03
33 42 31 00-0434	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,639.36
33 42 31 00-0435	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,643.45
33 42 31 00-0436	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,566.57
33 42 31 00-0437	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,456.31
33 42 31 00-0438	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,275.12
33 42 31 00-0439	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	12,023.01

33 42 31 00-0440 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0425)

33 42 31 00-0441	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,867.27
33 42 31 00-0442	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,297.70
33 42 31 00-0443	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,695.53
33 42 31 00-0444	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,060.75
33 42 31 00-0445	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,392.20
33 42 31 00-0446	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,692.18
33 42 31 00-0447	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,377.49
33 42 31 00-0448	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,439.51
33 42 31 00-0449	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,418.29
33 42 31 00-0450	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,314.95
33 42 31 00-0451	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,182.85
33 42 31 00-0452	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,979.82
33 42 31 00-0453	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,705.87

33 42 31 00-0454 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0425)

33 42 31 00-0455	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,813.95
33 42 31 00-0456	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,217.16
33 42 31 00-0457	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,586.61
33 42 31 00-0458	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,924.59
33 42 31 00-0459	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,228.82
33 42 31 00-0460	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,500.43
33 42 31 00-0461	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,202.93
33 42 31 00-0462	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,238.51
33 42 31 00-0463	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,193.12
33 42 31 00-0464	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,064.48
33 42 31 00-0465	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,909.39
33 42 31 00-0466	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,684.53
33 42 31 00-0467	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,387.58

33 42 31 00-0468 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0425)

33 42 31 00-0469	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,163.45
33 42 31 00-0470	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,526.52
33 42 31 00-0471	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,856.97
33 42 31 00-0472	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,154.80
33 42 31 00-0473	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,420.01
33 42 31 00-0474	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,652.63
33 42 31 00-0475	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,372.32
33 42 31 00-0476	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,371.95
33 42 31 00-0477	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,289.47
33 42 31 00-0478	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,124.87
33 42 31 00-0479	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,939.89
33 42 31 00-0480	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,682.84
33 42 31 00-0481	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,354.85

33 42 31 00-0482 Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0425)

33 42 31 00-0483	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,902.78
33 42 31 00-0484	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,185.96
33 42 31 00-0485	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,436.53
33 42 31 00-0486	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,654.48
33 42 31 00-0487	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,838.69
33 42 31 00-0488	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,991.41
33 42 31 00-0489	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,659.51
33 42 31 00-0490	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,588.32
33 42 31 00-0491	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,435.03
33 42 31 00-0492	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,199.61
33 42 31 00-0493	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,953.42



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0494	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness		15,635.15	
33 42 31 00-0495	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness		16,245.96	
33 42 31 00-0496 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0425)					
33 42 31 00-0497	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness		4,693.09	
33 42 31 00-0498	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness		5,168.27	
33 42 31 00-0499	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness		5,606.03	
33 42 31 00-0500	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness		6,006.36	
33 42 31 00-0501	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness		6,370.43	
33 42 31 00-0502	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness		6,698.21	
33 42 31 00-0503	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness		8,529.68	
33 42 31 00-0504	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness		9,712.55	
33 42 31 00-0505	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness		10,803.09	
33 42 31 00-0506	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness		11,800.19	
33 42 31 00-0507	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness		12,767.01	
33 42 31 00-0508	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness		13,654.04	
33 42 31 00-0509	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness		14,460.17	
33 42 31 00-0510 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0425)					
33 42 31 00-0511	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness		5,720.34	
33 42 31 00-0512	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness		6,164.56	
33 42 31 00-0513	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness		6,572.51	
33 42 31 00-0514	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness		6,944.18	
33 42 31 00-0515	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness		7,278.43	
33 42 31 00-0516	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness		7,575.25	
33 42 31 00-0517	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness		9,406.71	
33 42 31 00-0518	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness		10,562.06	
33 42 31 00-0519	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness		11,625.08	
33 42 31 00-0520	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness		12,595.78	
33 42 31 00-0521	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness		13,538.74	
33 42 31 00-0522	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness		14,401.94	
33 42 31 00-0523	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness		15,185.33	
33 42 31 00-0524 Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0425)					
33 42 31 00-0525	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness		1,913.49	
33 42 31 00-0526	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness		2,288.16	
33 42 31 00-0527	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness		2,635.54	
33 42 31 00-0528	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness		2,957.91	
33 42 31 00-0529	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,255.28	
33 42 31 00-0530	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,525.37	
33 42 31 00-0531 Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0425)					
33 42 31 00-0532	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness		2,638.60	
33 42 31 00-0533	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,059.81	
33 42 31 00-0534	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,451.22	
33 42 31 00-0535	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,812.81	
33 42 31 00-0536	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness		4,144.59	
33 42 31 00-0537	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness		4,445.40	
33 42 31 00-0538	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness		6,018.93	
33 42 31 00-0539	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness		7,022.14	
33 42 31 00-0540	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness		7,949.85	
33 42 31 00-0541	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness		8,802.07	
33 42 31 00-0542	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness		9,623.56	
33 42 31 00-0543	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness		10,379.87	
33 42 31 00-0544	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness		11,069.85	
33 42 31 00-0545 Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0425)					
33 42 31 00-0546	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness		2,074.62	
33 42 31 00-0547	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness		2,444.12	
33 42 31 00-0548	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness		2,787.47	
33 42 31 00-0549	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,105.83	
33 42 31 00-0550	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,396.88	
33 42 31 00-0551	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,662.95	
33 42 31 00-0552 Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0425)					
33 42 31 00-0553	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness		2,558.04	
33 42 31 00-0554	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness		2,981.83	
33 42 31 00-0555	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,375.82	
33 42 31 00-0556	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness		3,738.84	
33 42 31 00-0557	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness		4,073.21	
33 42 31 00-0558	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness		4,376.62	
33 42 31 00-0559	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness		5,984.54	
33 42 31 00-0560	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness		6,989.60	
33 42 31 00-0561	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness		7,918.04	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0562 EA 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,770.98	
33 42 31 00-0563 EA 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,593.06	
33 42 31 00-0564 EA 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,349.94	
33 42 31 00-0565 EA 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,041.64	
33 42 31 00-0566 Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0425)		
33 42 31 00-0567 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,638.60	
33 42 31 00-0568 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,059.81	
33 42 31 00-0569 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,451.22	
33 42 31 00-0570 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,812.81	
33 42 31 00-0571 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,144.59	
33 42 31 00-0572 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,445.40	
33 42 31 00-0573 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,018.93	
33 42 31 00-0574 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,022.14	
33 42 31 00-0575 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,949.85	
33 42 31 00-0576 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,802.07	
33 42 31 00-0577 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,623.56	
33 42 31 00-0578 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,379.87	
33 42 31 00-0579 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,069.85	
33 42 31 00-0580 Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0425)		
33 42 31 00-0581 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,054.49	
33 42 31 00-0582 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,424.35	
33 42 31 00-0583 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,769.20	
33 42 31 00-0584 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,086.77	
33 42 31 00-0585 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,379.33	
33 42 31 00-0586 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,645.75	
33 42 31 00-0587 Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0425)		
33 42 31 00-0588 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,094.78	
33 42 31 00-0589 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,463.91	
33 42 31 00-0590 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,806.91	
33 42 31 00-0591 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,123.74	
33 42 31 00-0592 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,414.44	
33 42 31 00-0593 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,680.14	
33 42 31 00-0594 Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0425)		
33 42 31 00-0595 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,504.72	
33 42 31 00-0596 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,082.39	
33 42 31 00-0597 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,659.13	
33 42 31 00-0598 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,115.63	
33 42 31 00-0599 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,570.05	
33 42 31 00-0600 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,984.54	
33 42 31 00-0601 Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0425)		
33 42 31 00-0602 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,249.96	
33 42 31 00-0603 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,878.93	
33 42 31 00-0604 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,461.86	
33 42 31 00-0605 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,999.88	
33 42 31 00-0606 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,491.86	
33 42 31 00-0607 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,938.97	
33 42 31 00-0608 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,286.34	
33 42 31 00-0609 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,765.40	
33 42 31 00-0610 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,131.44	
33 42 31 00-0611 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,385.60	
33 42 31 00-0612 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,596.36	
33 42 31 00-0613 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,709.41	
33 42 31 00-0614 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,724.76	
33 42 31 00-0615 Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0425)		
33 42 31 00-0616 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,484.57	
33 42 31 00-0617 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,062.62	
33 42 31 00-0618 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,600.71	
33 42 31 00-0619 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,097.72	
33 42 31 00-0620 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,552.50	
33 42 31 00-0621 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,967.33	
33 42 31 00-0622 Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0425)		
33 42 31 00-0623 EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,390.96	
33 42 31 00-0624 EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,015.12	
33 42 31 00-0625 EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,594.38	
33 42 31 00-0626 EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,127.59	
33 42 31 00-0627 EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,615.91	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 42 31 00-0628	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,059.33		
33 42 31 00-0629	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,303.54		
33 42 31 00-0630	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,782.24		
33 42 31 00-0631	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,147.91		
33 42 31 00-0632	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,400.58		
33 42 31 00-0633	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,611.05		
33 42 31 00-0634	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,723.81		
33 42 31 00-0635	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,738.86		
33 42 31 00-0636	Type GO Concrete Drainage Inlet Structure (33 42 31 00-0425)				
33 42 31 00-0637	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,497.61		
33 42 31 00-0638	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,903.85		
33 42 31 00-0639	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,281.00		
33 42 31 00-0640	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,629.06		
33 42 31 00-0641	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,948.02		
33 42 31 00-0642	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,239.04		
33 42 31 00-0643	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,829.76		
33 42 31 00-0644	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,803.10		
33 42 31 00-0645	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,701.38		
33 42 31 00-0646	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,526.91		
33 42 31 00-0647	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,324.13		
33 42 31 00-0648	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,056.32		
33 42 31 00-0649	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,725.71		
33 42 31 00-0650	Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0425)				
33 42 31 00-0651	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,263.01		
33 42 31 00-0652	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,797.01		
33 42 31 00-0653	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,292.95		
33 42 31 00-0654	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,751.95		
33 42 31 00-0655	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,171.74		
33 42 31 00-0656	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,554.61		
33 42 31 00-0657	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,497.86		
33 42 31 00-0658	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,752.37		
33 42 31 00-0659	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,911.70		
33 42 31 00-0660	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,976.98		
33 42 31 00-0661	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,004.31		
33 42 31 00-0662	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,949.35		
33 42 31 00-0663	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	13,812.09		
33 42 31 00-0664	Catch Basin Frames And Covers (33 42 31 00-0001)				
33 42 31 00-0665	Cast Iron Frames And Covers (33 42 31 00-0664)				
33 42 31 00-0666	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	1,109.46	113.97	
33 42 31 00-0667	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,413.33	128.77	
33 42 31 00-0668	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,608.84	133.33	
33 42 31 00-0669	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,816.59	154.98	
33 42 31 00-0670	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	2,141.58	176.64	
33 42 31 00-0671	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	3,458.10	184.62	
33 42 31 00-0672	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	1,858.50	140.17	
33 42 31 00-0673	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	2,436.21	161.83	
33 42 31 00-0674	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	2,763.40	168.66	
33 42 31 00-0675	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	2,605.43	168.66	
33 42 31 00-0676	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,692.06	175.49	
33 42 31 00-0677	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	2,894.52	182.34	
33 42 31 00-0678	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	3,493.53	196.01	
33 42 31 00-0679	Area Yard Drain (33 42 31 00-0001)				
33 42 31 00-0680	Ductile Iron Grates (33 42 31 00-0679)				
Note: Not for traffic loading.					
33 42 31 00-0681	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	163.35	40.50	
33 42 31 00-0682	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	199.07	43.21	
33 42 31 00-0683	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	454.55	54.01	
33 42 31 00-0684	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	543.19	64.81	
33 42 33	Stormwater Curbside Drains and Inlets (33 42)				
33 42 33 00-0001	Curb Inlet Frames And Covers (33 42 33)				
33 42 33 00-0002	Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)				
33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,334.11	133.33	
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,493.77	154.98	
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,597.26	154.98	
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	2,843.68	182.34	
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	2,807.67	194.87	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 36 Stormwater Trench Drains (33 42)

33 42 36 00-0001		Modular Trench Drains (33 42 36)		
		See CSI section 03 31 13 00-0011 for concrete.		
33 42 36 00-0002		Modular Trench Drains (33 42 36 00-0001)		
		Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
33 42 36 00-0003		4" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0004		4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0005		4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	70.72	18.23
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	109.19	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	218.38	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	349.41	
		For Type 304 Stainless Steel Top Veneer Frame, Add	87.35	
		For Aluminum Veneer Bronze Anodized Frame, Add	43.68	
33 42 36 00-0007		Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	53.77	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.17	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.17	
33 42 36 00-0011		6" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0012		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0013		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	223.23	18.23
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	109.19	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	218.38	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	349.41	
		For Type 304 Stainless Steel Top Veneer Frame, Add	87.35	
		For Aluminum Veneer Bronze Anodized Frame, Add	43.68	
33 42 36 00-0015		Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	101.41	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.81	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.81	
33 42 36 00-0019		Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.17	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.17	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	930.50	
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,804.02	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	325.87	18.23
		For Black Acid Resistant Coated Frame, Add	82.98	
		For Galvanized Top Frame Assembly, Add	82.98	
		For Type 304 Stainless Steel Top Frame Assembly, Add	305.73	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	110.14	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.54	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.54	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.17	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.17	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	930.50	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,804.02	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain..... For Black Acid Resistant Coated Frame, Add For Galvanized Top Frame Assembly, Add For Type 304 Stainless Steel Top Frame Assembly, Add	421.96 82.98 82.98 305.73	18.23
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	180.02	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.42	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.42	
33 42 36 00-0045		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.17	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.17	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	930.50	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,804.02	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051		6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0052		6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain	493.20	
33 42 36 00-0054		Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain.....	195.42	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	237.98	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	74.95	
33 42 36 00-0058		12" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0059		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0060		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0059)		
33 42 36 00-0061	LF	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	421.39	25.07
		For Acid Resistant Coated Top Frame, Add	113.56	
		For Galvanized Welded Frame Assembly, Add	119.02	
		For Type 304 Stainless Steel Top Frame, Add	681.35	
33 42 36 00-0062		Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0059)		
33 42 36 00-0063	EA	End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	209.46	
33 42 36 00-0064	EA	No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.65	
33 42 36 00-0065	EA	No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.65	
33 42 36 00-0066		Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0059)		
33 42 36 00-0067	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	350.95	
33 42 36 00-0068	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	460.14	
33 42 36 00-0069	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,834.70	
33 42 36 00-0070	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,581.74	
33 42 36 00-0071	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains.....	436.76	
33 42 36 00-0072		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0073		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0074	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	530.58	25.07
		For Acid Resistant Coated Top Frame, Add	113.56	
		For Galvanized Welded Frame Assembly, Add	119.02	
		For Type 304 Stainless Steel Top Frame, Add	681.35	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0075 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0076 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.20	
33 42 36 00-0077 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.39	
33 42 36 00-0078 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.39	
33 42 36 00-0079 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0080 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	350.95	
33 42 36 00-0081 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	460.14	
33 42 36 00-0082 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,834.70	
33 42 36 00-0083 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,581.74	
33 42 36 00-0084 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	436.76	
33 42 36 00-0085 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0086 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0087 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	748.96	25.07
For Acid Resistant Coated Top Frame, Add	113.56	
For Galvanized Welded Frame Assembly, Add	119.02	
For Type 304 Stainless Steel Top Frame, Add	681.35	
33 42 36 00-0088 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0089 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	545.77	
33 42 36 00-0090 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	560.96	
33 42 36 00-0091 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	560.96	
33 42 36 00-0092 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0093 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	350.95	
33 42 36 00-0094 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	460.14	
33 42 36 00-0095 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,834.70	
33 42 36 00-0096 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,581.74	
33 42 36 00-0097 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	436.76	
33 42 36 00-0098 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0099 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0100 LF 12" Wide, Polymer Concrete, Modular Trench Drain	661.50	
33 42 36 00-0101 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0102 EA Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	332.55	
33 42 36 00-0103 EA No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	573.08	
33 42 36 00-0104 EA No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	131.79	
33 42 36 00-0105 23" Wide, Modular Trench Drains (33 42 36 00-0105)		
33 42 36 00-0106 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0105)		
33 42 36 00-0107 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0105)		
33 42 36 00-0108 LF 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain.....	590.97	34.19
For Acid Resistant Coated Frame, Add	170.34	
For Galvanized Frame Assembly, Add	170.34	
For Type 304 Stainless Steel Top Frame, Add	1,048.22	
33 42 36 00-0109 Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0106)		
33 42 36 00-0110 EA End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains.....	669.45	
33 42 36 00-0111 EA No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	974.81	
33 42 36 00-0112 EA No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	974.81	
33 42 36 00-0113 Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0106)		
33 42 36 00-0114 EA Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	798.51	
33 42 36 00-0115 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,636.51	
33 42 36 00-0116 EA Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,130.59	
33 42 36 00-0117 EA Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains.....	873.52	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0118 Modular Trench Drain Grates (33 42 36 00-0001)		
33 42 36 00-0119 4" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0120 LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	45.20	3.42
33 42 36 00-0121 LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	47.53	3.42
33 42 36 00-0122 LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.23	3.42
33 42 36 00-0123 LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.14	3.42
33 42 36 00-0124 LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.23	3.42
33 42 36 00-0125 LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.14	3.42
33 42 36 00-0126 6" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0127 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	215.34	3.42
33 42 36 00-0128 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	182.37	3.42
33 42 36 00-0129 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	191.54	3.42
33 42 36 00-0130 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	167.30	3.42
33 42 36 00-0131 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	180.40	3.42
33 42 36 00-0132 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	182.59	3.42
33 42 36 00-0133 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	182.59	3.42
33 42 36 00-0134 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	180.40	3.42
33 42 36 00-0135 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	158.57	3.42
33 42 36 00-0136 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	158.57	3.42
33 42 36 00-0137 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	168.61	3.42
33 42 36 00-0138 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	168.61	3.42
33 42 36 00-0139 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	219.71	3.42
33 42 36 00-0140 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	219.71	3.42
33 42 36 00-0141 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	403.15	3.42
33 42 36 00-0142 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	403.15	3.42
33 42 36 00-0143 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,123.81	3.42
33 42 36 00-0144 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	149.83	3.42
33 42 36 00-0145 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	324.53	3.42
33 42 36 00-0146 12" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0147 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	595.90	3.70
33 42 36 00-0148 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	569.69	3.70
33 42 36 00-0149 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	495.44	3.70
33 42 36 00-0150 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	520.55	3.70
33 42 36 00-0151 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	449.58	3.70
33 42 36 00-0152 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	880.88	3.70
33 42 36 00-0153 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	880.88	3.70
33 42 36 00-0154 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,124.38	3.70
33 42 36 00-0155 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,124.38	3.70
33 42 36 00-0156 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,435.57	3.70
33 42 36 00-0157 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,435.57	3.70
33 42 36 00-0158 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,362.41	3.70
33 42 36 00-0159 LF 12" Wide, Fiberglass, Modular Trench Drain Grate	642.85	3.70
33 42 36 00-0160 23" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0161 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	941.50	3.99
33 42 36 00-0162 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	793.00	3.99
33 42 36 00-0163 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,229.76	3.99
33 42 36 00-0164 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	910.92	3.99
33 44 Storm Utility Water Drains (33 40)		
33 44 36 Oil and Stormwater Separators (33 44)		
33 44 36 00-0001 Oil/Water Separator (33 44 36)		
Note: Complete with internal sensors and detectors.		
33 44 36 00-0002 Coalescing Oil Water Separator (33 44 36 00-0001)		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	19,698.22	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add		711.00
33 44 36 00-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	24,080.24	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add		893.70
33 44 36 00-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	28,819.47	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add		1,340.10

33 Utilities**33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008 EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	30,544.63	
For Interior Polyurethane Coating, Add	711.00	
33 44 36 00-0009 EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	35,118.49	
For Interior Polyurethane Coating, Add	893.70	
33 44 36 00-0010 EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	42,863.84	
For Interior Polyurethane Coating, Add	1,340.10	
33 44 36 00-0011 EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	49,872.96	
For Interior Polyurethane Coating, Add	1,550.70	
33 44 36 00-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	66,207.83	
For Interior Polyurethane Coating, Add	2,057.80	
33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,232.60	
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	1,674.63	
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	991.18	
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	734.12	
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	252.13	
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator 33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator 33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator 33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	4,194.75 8,389.47 12,584.31 758.22	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	895.32	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,790.66	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,971.30	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,079.55	
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,406.76	
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,948.17	
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,550.53	
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,565.92	
33 44 36 00-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,731.26	
33 44 36 00-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,226.51	
33 44 36 00-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,428.83	
33 44 36 00-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,741.59	
33 44 36 00-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,735.56	
33 44 36 00-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,362.43	
33 44 36 00-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,653.76	
33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,962.24	
33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	115.68	
33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	130.67	
33 44 36 00-0041 Oil Skimmers (33 44 36)		
33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)		
33 44 36 00-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,316.33	733.61
33 44 36 00-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,552.13	733.61
33 44 36 00-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,338.17	733.61
33 44 36 00-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,640.55	733.61
33 44 36 00-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,589.97	733.61
33 44 36 00-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,785.74	733.61
33 44 36 00-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,637.27	733.61
33 44 36 00-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,938.57	733.61
33 44 36 00-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,058.97	978.35
33 44 36 00-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,311.14	978.35
33 44 36 00-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,125.56	978.35
33 44 36 00-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,487.99	978.35
33 44 36 00-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,696.49	978.35
33 44 36 00-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,948.66	978.35
33 44 36 00-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,749.98	978.35



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,113.50	978.35
33 44 36 00-0059		Oil Skimmers, Add-Ons (33 44 36 00-0041)		
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models.....	283.81	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models.....	331.84	
33 46 Stormwater Management (33 40)				
33 46 23 Modular Buried Stormwater Storage Units (33 46)				
33 46 23 00-0001		Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) (33 46 23)		
Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.				
33 46 23 00-0002		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) (33 46 23 00-0001)		
33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	607.77	
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	561.02	
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	527.15	
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	494.37	
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	253.32	
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	224.29	
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	207.26	
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	190.48	
33 46 23 00-0011		85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) (33 46 23 00-0001)		
33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	345.88	
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	316.95	
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	296.72	
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	278.20	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	197.95	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	176.41	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	163.18	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	151.34	
33 46 23 00-0020		90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) (33 46 23 00-0001)		
33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	1,034.49	
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	964.39	
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	908.13	
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	856.90	
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	871.43	
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	809.46	
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	760.96	
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	717.08	
33 46 23 00-0029		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) (33 46 23 00-0001)		
33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	631.15	
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	583.25	
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	548.26	

33 Utilities**33 40 Stormwater Utilities****33 46 Stormwater Management**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0033 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	514.41	
33 46 23 00-0034 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	253.32	
33 46 23 00-0035 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	219.87	
33 46 23 00-0036 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	207.26	
33 46 23 00-0037 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	190.48	
33 46 23 00-0038 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) (33 46 23 00-0001)		
33 46 23 00-0039 EA Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	1,075.36	
33 46 23 00-0040 EA >10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	1,001.19	
33 46 23 00-0041 EA >20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	940.90	
33 46 23 00-0042 EA >30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	888.60	
33 46 23 00-0043 EA Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,339.36	
33 46 23 00-0044 EA >10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,251.98	
33 46 23 00-0045 EA >20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,179.16	
33 46 23 00-0046 EA >30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,114.95	
33 46 23 00-0047 Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers (33 46 23 00-0001)		
33 46 23 00-0048 EA Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	65.09	
33 46 23 00-0049 EA Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	82.82	
33 46 23 00-0050 EA Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	108.01	
33 46 23 00-0051 EA Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	136.46	
33 46 23 00-0052 EA 12" x 6" Inspection Port Kit.....	758.71	
Note: (2712AG6IPKIT)		
33 46 53 Stormwater Leaching Pits (33 46)		
33 46 53 00-0001 Drainage Wells (33 46 53)		
Note: Includes augering hole.		
33 46 53 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner.....	34.40	
33 46 53 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner.....	42.40	
33 46 53 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner.....	57.39	
33 50 Hydrocarbon Utilities (33)		
33 51 Hydrocarbon Sources (33 50)		
33 51 29 Extraction Wells for Gaseous Hydrocarbons (33 51)		
33 51 29 00-0001 Landfill Gas Well (33 51 29)		
33 51 29 00-0002 Mobilization And Demobilization Landfill Gas Extraction Well (33 51 29 00-0001)		
33 51 29 00-0003 EA 24" Diameter, Landfill Gas Extraction Well Drilling Mobilization And Demobilization.....	1,316.89	
33 51 29 00-0004 EA >24" To 36" Diameter, Landfill Gas Extraction Well Drilling Mobilization And Demobilization.....	1,975.34	
33 51 29 00-0005 Drill Landfill Gas Extraction Well In Normal Soil, Sand, Gravel, O.B. (33 51 29 00-0001)		
Note: Excludes well gravel or materials.		
33 51 29 00-0006 LF 24" Landfill Gas Extraction Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	227.98	
33 51 29 00-0007 LF 30" Landfill Gas Extraction Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	296.96	
33 51 29 00-0008 LF 36" Landfill Gas Extraction Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	369.38	
33 51 29 00-0009 Landfill Gas Extraction Well Gravel Backfill (33 51 29 00-0001)		
Note: 1/2" x 1-1/2" drain rock.		
33 51 29 00-0010 LF 24" Diameter Landfill Gas Extraction Well, Gravel.....	128.40	
33 51 29 00-0011 LF 30" Diameter Landfill Gas Extraction Well, Gravel.....	164.96	
33 51 29 00-0012 LF 36" Diameter Landfill Gas Extraction Well, Gravel.....	190.71	
33 51 29 00-0013 Landfill Gas Extraction Well Collection Head (33 51 29 00-0001)		
33 51 29 00-0014 EA Landfill Gas Extraction Well Head Assembly.....	3,468.67	
33 51 29 00-0015 EA Landfill Gas Extraction Well Locking Enclosure.....	1,087.09	
33 51 29 00-0016 SF Landfill Gas Extraction Well Skirt, PVC Seal (Landtex WBS-100-4).....	5.69	
33 51 29 00-0017 CF Landfill Gas Extraction Well Bentonite Barrier (Benseal EZ-MUD).....	11.15	
33 51 29 00-0018 CY Landfill Gas Extraction Well Plug, Moistened And Tamped In 2' Lifts.....	139.87	



		Utilities	33	CS
		Hydrocarbon Utilities	33 50	
		Hydrocarbon Sources	33 51	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 29 00-0019	EA 4" Steel Concrete Filled Pipe Bollard, 8' Overall Length (3' Bury With 5' Exposed) For Landfill Gas Extraction Well Note: Includes drilling, concrete footing, pipe and concrete fill. For Galvanized Steel, Add For 304 Stainless Steel, Add For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add For Schedule 80, Add	760.15 70.90 563.04 1,396.32 685.65 96.87	14.22
33 51 29 00-0020	Landfill Gas Extraction Well Valve Box (33 51 29 00-0001)		
33 51 29 00-0021	EA 17" x 30" x 12" High Fibrelyte Utility Box (FL36T-12).....	383.74	153.09
33 51 29 00-0022	EA 17" x 30" x 18" High Fibrelyte Utility Box (FL36T-18).....	522.18	153.09
33 51 29 00-0023	EA 17" x 30" x 24" High Fibrelyte Utility Box (FL36T-18).....	660.81	153.09
33 51 29 00-0024	EA Fibrelyte Composite Lid For 17" x 30" Utility Box (FL36D)	298.08	36.93
33 51 29 00-0025	EA 6" High Extension For 17" x 30" Utility Box (FL36x6).....	178.20	53.72
33 51 29 00-0026	EA 8" High Extension For 17" x 30" Utility Box (FL36x8).....	199.66	53.72
33 51 29 00-0027	Landfill Gas Extraction Well Riser Pipe (33 51 29 00-0001)		
33 51 29 00-0028	LF 4" Polyvinyl Chloride (PVC) Well Riser Pipe, Flush Thread.....	21.39	
33 51 29 00-0029	LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Riser Pipe With Slip Joint And Coupler.....	54.28	
33 51 29 00-0030	EA 6" Well Riser Pipe, Centralizer For >12" To 24" Diameter Well	147.65	
33 51 29 00-0031	EA 6" Well Riser Pipe, Centralizer For >24" To 30" Diameter Well	220.84	
33 51 29 00-0032	Soil Vapor Gas Extraction Well (33 51 29)		
33 51 29 00-0033	Mobilization And Demobilization Soil Vapor Gas Extraction Well (33 51 29 00-0032)		
33 51 29 00-0034	EA Up To 12" Diameter, Soil Vapor Gas Extraction Well Drilling Mobilization And Demobilization.....	1,072.24	
33 51 29 00-0035	EA >12" To 24" Diameter, Soil Vapor Gas Extraction Well Drilling Mobilization And Demobilization	1,316.89	
33 51 29 00-0036	Drill Soil Vapor Gas Extraction Well In Normal Soil, Sand, Gravel, O.B. (33 51 29 00-0032) Note: Excludes well gravel or materials.		
33 51 29 00-0037	LF 6" Soil Vapor Gas Extraction Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	25.52	
33 51 29 00-0038	LF 8" Soil Vapor Gas Extraction Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	30.29	
33 51 29 00-0039	LF 10" Soil Vapor Gas Extraction Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	40.50	
33 51 29 00-0040	LF 12" Soil Vapor Gas Extraction Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	63.37	
33 51 29 00-0041	LF 18" Soil Vapor Gas Extraction Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	141.57	
33 51 29 00-0042	Soil Vapor Gas Extraction Well Pea Gravel Backfill (33 51 29 00-0032)		
33 51 29 00-0043	LF 6" Diameter Soil Vapor Gas Extraction Well, Pea Gravel	19.81	
33 51 29 00-0044	LF 8" Diameter Soil Vapor Gas Extraction Well, Pea Gravel	29.23	
33 51 29 00-0045	LF 10" Diameter Soil Vapor Gas Extraction Well, Pea Gravel	40.67	
33 51 29 00-0046	LF 12" Diameter Soil Vapor Gas Extraction Well, Pea Gravel	52.16	
33 51 29 00-0047	LF 18" Diameter Soil Vapor Gas Extraction Well, Pea Gravel	95.60	
33 51 29 00-0048	Soil Vapor Gas Extraction Well Head (33 51 29 00-0032)		
33 51 29 00-0049	EA Soil Vapor Gas Extraction Well Head Assembly.....	1,659.61	
33 51 29 00-0050	EA Soil Vapor Gas Extraction Well Head Concrete Cap	1,351.65	
33 51 29 00-0051	EA Soil Vapor Gas Extraction Well Locking Enclosure.....	1,087.09	
33 51 29 00-0052	CF Soil Vapor Gas Extraction Well Neat Cement.....	9.29	
33 51 29 00-0053	CF Soil Vapor Gas Extraction Well Bentonite Barrier (Benseal EZ-MUD).....	11.15	
33 51 29 00-0054	EA 4" Steel Concrete Filled Pipe Bollard, 8' Overall Length (3' Bury With 5' Exposed) For Soil Vapor Gas Extraction Well Note: Includes drilling, concrete footing, pipe and concrete fill. For Galvanized Steel, Add For 304 Stainless Steel, Add For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add For Schedule 80, Add	760.15 70.90 563.04 1,396.32 685.65 96.87	14.22
33 51 29 00-0055	LF 1/4" Polyethylene Tubing For Soil Vapor Gas Extraction Well..... For Work In Restricted Working Space, Add	3.54 0.98	
33 51 29 00-0056	EA 1/4" Polyvinyl Chloride (PVC) Stopcock Valve (Hayward LC12) For Soil Vapor Gas Extraction Well	78.85	21.25
33 51 29 00-0057	Soil Vapor Gas Extraction Well Riser Pipe (33 51 29 00-0032)		
33 51 29 00-0058	LF 3/4" Polyvinyl Chloride (PVC) Well Riser Pipe, Flush Tread.....	3.86	
33 51 29 00-0059	LF 3/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Riser Pipe	9.78	

33 52 Hydrocarbon Transmission and Distribution (33 50)

33 52 16 Gas Hydrocarbon Piping (33 52)

33 52 16 13 Steel Natural Gas Piping (33 52 16)

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 53 Hydrocarbon Utility Pressure Regulation (33 50)**33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)****33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)**

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End.....	235.97	21.25
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End.....	240.79	21.25
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End.....	252.36	25.23
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End.....	816.45	29.20
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End.....	877.42	45.23
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End.....	2,450.14	101.47
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End.....	3,399.37	134.47

33 59 Hydrocarbon Utility Metering (33 50)**33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)****33 59 11 00-0001 Diaphragm Meters (33 59 11)**

Note: With standard direct-digital reading maximum working pressures 5 lb. to 100 lb., threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded.....	596.60	83.13
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded.....	1,152.94	127.13
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded.....	1,343.09	127.13
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded.....	2,865.34	158.93
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded.....	3,251.16	195.60
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded.....	4,224.01	158.93
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded.....	4,713.23	195.60
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded.....	6,195.31	207.82
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded.....	8,742.21	244.49
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded.....	13,371.87	403.42
		For Temperature And Pressure Compensation, Add.....	8.40	
		For Pulsers, Add.....	26.50	

33 59 16 Hydrocarbons Turbine Meters (33 59)**33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading (33 59 16)**

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	10,774.85	418.04
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	11,372.89	485.47
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	17,562.23	524.73
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	34,080.55	638.80
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	56,485.89	798.50

33 70 Electrical Utilities (33)**33 71 Electrical Utility Transmission and Distribution (33 70)****33 71 19 Electrical Underground Ducts, Ductbanks and Manholes (33 71)**

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes (33 71 19)**33 71 19 13-0001 Electrical Handholes And Pull Boxes (33 71 19 13)****33 71 19 13-0002 Electrical Pull Boxes (33 71 19 13-0001)**

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete.....	2,623.26	557.30
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete.....	3,175.33	617.72
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete.....	3,705.53	671.44



		Utilities	33	CS
		Electrical Utilities	33 70	
		Electrical Utility Transmission and Distribution	33 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,922.34	805.73
33 71 19 13-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,353.42	805.73
33 71 19 13-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,851.57	839.30
33 71 19 13-0009 EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,895.54	940.02
33 71 19 13-0010 EA 18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,764.97	617.72
33 71 19 13-0011 EA 14" x 20" x 12", Electric Pull Boxes, Precast Concrete	1,365.31	402.87
33 71 19 13-0012 EA 18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,738.35	805.73
33 71 19 13-0013 EA 24" x 36" x 12", Electric Pull Boxes, Precast Concrete	2,370.04	940.02
33 71 19 13-0014 EA 24" x 3', Round Electric Pull Boxes, Precast Concrete	1,514.55	235.01
33 71 19 13-0015 EA 30" x 3', Round Electric Pull Boxes, Precast Concrete	1,597.86	251.79
33 71 19 13-0016 Electrical Pull Boxes (CALTRANS And SDG&E) (33 71 19 13-0001)		
33 71 19 13-0017 EA Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	143.70	
33 71 19 13-0018 EA Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	57.59	
33 71 19 13-0019 EA Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	88.39	
33 71 19 13-0020 EA Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	187.59	
33 71 19 13-0021 EA Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	290.44	
For Galvanized Steel Cover, Add	49.79	
33 71 19 13-0022 EA 12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box.....	72.57	
33 71 19 13-0023 EA Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	72.57	
33 71 19 13-0024 EA Body, CALTRANS 5 Precast Concrete Pull Box.....	205.51	
33 71 19 13-0025 EA Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	77.06	
33 71 19 13-0026 EA Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	107.86	
33 71 19 13-0027 EA Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	385.37	
For Galvanized Steel Cover, Add	91.29	
33 71 19 13-0028 EA 12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	103.00	
33 71 19 13-0029 EA Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	96.30	
33 71 19 13-0030 EA Body, CALTRANS 6 Precast Concrete Pull Box.....	224.98	
33 71 19 13-0031 EA Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	103.23	
33 71 19 13-0032 EA Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	134.03	
33 71 19 13-0033 EA Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	529.00	
For Galvanized Steel Cover, Add	127.80	
33 71 19 13-0034 EA 12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	122.47	
33 71 19 13-0035 EA Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	115.17	
33 71 19 13-0036 EA 6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	158.99	
33 71 19 13-0037 EA Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	322.01	
33 71 19 13-0038 EA Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	463.27	
33 71 19 13-0039 EA 12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	146.81	
33 71 19 13-0040 EA Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	134.64	
33 71 19 13-0041 EA Body, CALTRANS 5-T Precast Concrete Pull Box	419.72	
33 71 19 13-0042 EA Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	670.19	
33 71 19 13-0043 EA 12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	176.03	
33 71 19 13-0044 EA Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	171.16	
33 71 19 13-0045 EA Body, CALTRANS 6-T Precast Concrete Pull Box	597.43	
33 71 19 13-0046 EA Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	937.96	
33 71 19 13-0047 EA 12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	297.74	
33 71 19 13-0048 EA Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	232.01	
33 71 19 13-0049 EA 24" x 36" Handhole (SDG&E 3313K/T).....	239.36	
33 71 19 13-0050 EA 24" x 36" Traffic Cover (SDG&E 3313CSTG).....	1,925.80	
33 71 19 13-0051 Precast Concrete Box Extensions (33 71 19 13-0001)		
33 71 19 13-0052 EA 14" x 20" x 12", Precast Concrete Extension	238.83	43.58
33 71 19 13-0053 EA 18" x 28" x 12", Precast Concrete Extension	299.99	55.21
33 71 19 13-0054 EA 24" x 36" x 12", Precast Concrete Extension	391.23	75.55
33 71 19 13-0055 EA 30" x 48" x 12", Precast Concrete Extension.....	482.21	104.61
33 71 19 13-0056 EA 36" x 60" x 12", Precast Concrete Extension	773.89	127.85
33 71 19 13-0057 EA 36" x 72" x 12", Precast Concrete Extension	1,036.24	145.28
33 71 19 13-0058 EA 48" x 48" x 12", Precast Concrete Extension	1,177.30	133.66
33 71 19 13-0059 EA 48" x 60" x 12", Precast Concrete Extension	1,444.46	156.91
33 71 19 13-0060 Electrical Property Line Boxes (33 71 19 13)		
33 71 19 13-0061 EA 3'-6" x 2'-9" x 2' Deep Property Line Box	5,641.32	453.22
33 71 19 13-0062 EA 4'-6" x 3'-6" x 4' Deep Property Line Box	6,641.91	470.01
33 71 19 13-0063 EA 6' x 4' x 5' Deep Property Line Box	7,276.84	570.73
33 71 19 13-0064 EA 11'-6" x 4'-6" x 6' Deep Property Line Box	11,148.43	839.30
33 71 19 13-0065 Manhole Accessories (33 71 19 13)		
33 71 19 13-0066 EA 6" Precast Grade Ring Riser Casting.....	545.34	161.17
33 71 19 13-0067 EA 12" Precast Grade Ring Riser Casting.....	590.60	174.60
33 71 19 13-0068 EA 36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,054.80	268.62
33 71 19 13-0069 EA 42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	2,675.07	335.77
33 71 19 13-0070 EA Cast Iron Adjusting Ring (NEENAH #R-1979).....	895.73	179.30
33 71 19 13-0071 EA Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,127.62	201.46
33 71 19 23 Trenched Electrical Underground Duct and Ductbanks (33 71 19)		

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 71 19 23-0001	Underground Ductbank (33 71 19 23)		
Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.			
33 71 19 23-0002	Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (33 71 19 23-0001)		
Note: Includes appropriate spacers and fittings.			
33 71 19 23-0003	LF 2 At 2", Rigid Galvanized Conduit Duct Bank	36.01	
33 71 19 23-0004	LF 4 At 2", Rigid Galvanized Conduit Duct Bank	72.05	
33 71 19 23-0005	LF 2 At 3", Rigid Galvanized Conduit Duct Bank	73.99	
33 71 19 23-0006	LF 4 At 3", Rigid Galvanized Conduit Duct Bank	148.38	
33 71 19 23-0007	LF 2 At 4", Rigid Galvanized Conduit Duct Bank	108.85	
33 71 19 23-0008	LF 4 At 4", Rigid Galvanized Conduit Duct Bank	218.95	
33 71 19 23-0009	LF 6 At 4", Rigid Galvanized Conduit Duct Bank	329.28	
33 71 19 23-0010	LF 2 At 5", Rigid Galvanized Conduit Duct Bank	202.75	
33 71 19 23-0011	LF 4 At 5", Rigid Galvanized Conduit Duct Bank	404.27	
33 71 19 23-0012	LF 6 At 5", Rigid Galvanized Conduit Duct Bank	622.86	
33 71 19 23-0013	LF 2 At 6", Rigid Galvanized Conduit Duct Bank	288.29	
33 71 19 23-0014	LF 4 At 6", Rigid Galvanized Conduit Duct Bank	578.66	
33 71 19 23-0015	LF 6 At 6", Rigid Galvanized Conduit Duct Bank	860.59	
33 71 19 23-0016	Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System (33 71 19 23-0001)		
Note: Includes appropriate spacers and fittings.			
33 71 19 23-0017	LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.62	
33 71 19 23-0018	LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.95	
33 71 19 23-0019	LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	36.36	
33 71 19 23-0020	LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.40	
33 71 19 23-0021	LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.77	
33 71 19 23-0022	LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	46.26	
33 71 19 23-0023	LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	15.23	
33 71 19 23-0024	LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	30.47	
33 71 19 23-0025	LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	60.99	
33 71 19 23-0026	LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	91.46	
33 71 19 23-0027	LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	19.20	
33 71 19 23-0028	LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	38.38	
33 71 19 23-0029	LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	74.28	
33 71 19 23-0030	LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	105.27	
33 71 19 23-0031	LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	34.19	
33 71 19 23-0032	LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	51.96	
33 71 19 23-0033	LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	104.16	
33 71 19 23-0034	LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	168.53	
33 71 19 23-0035	Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System (33 71 19 23-0001)		
Note: Includes appropriate spacers and fittings.			
33 71 19 23-0036	LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.57	
33 71 19 23-0037	LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.93	
33 71 19 23-0038	LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	40.07	
33 71 19 23-0039	LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.83	
33 71 19 23-0040	LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	23.64	
33 71 19 23-0041	LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	47.14	
33 71 19 23-0042	LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.57	
33 71 19 23-0043	LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	31.17	
33 71 19 23-0044	LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	62.39	
33 71 19 23-0045	LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	93.57	
33 71 19 23-0046	LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.74	
33 71 19 23-0047	LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	39.44	
33 71 19 23-0048	LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	76.40	
33 71 19 23-0049	LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	108.45	
33 71 19 23-0050	LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.92	
33 71 19 23-0051	LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	53.48	
33 71 19 23-0052	LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	107.21	
33 71 19 23-0053	LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	173.10	
33 71 19 23-0054	Male Or Female Adapters (33 71 19 23-0001)		
33 71 19 23-0055	EA 2" Adapter	46.14	
33 71 19 23-0056	EA 3" Adapter	66.35	
33 71 19 23-0057	EA 4" Adapter	85.65	
33 71 19 23-0058	EA 5" Adapter	130.53	
33 71 19 23-0059	EA 6" Adapter	161.57	
33 71 19 23-0060	Underground Cable Protection Slab And Marking (33 71 19 23)		
33 71 19 23-0061	EA 24" x 12", 2" Concrete, Underground Cable Protection	6.07	



		Utilities	33	33
		Electrical Utilities	33 70	
		Electrical Utility Transmission and Distribution	33 71	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 71 19 23-0062		Underground Electrical Concrete Markers (33 71 19 23)			
33 71 19 23-0063	EA	36" x 6" x 6", Underground Electric Concrete Marker		400.96	

END OF SECTION 33

33	33	Utilities
	33 70	Electrical Utilities
	33 71	Electrical Utility Transmission and Distribution



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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Transportation		34
Operation and Maintenance of Transportation		34 01
Operation and Maintenance of Railways		34 01 23

34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 01 Operation and Maintenance of Transportation ⁽³⁴⁾

34 01 23 Operation and Maintenance of Railways ^(34 01)

34 01 23 33 Track Realignment ^(34 01 23)

34 01 23 33-0001 Realign Railroad Track ^(34 01 23 33)

34 01 23 33-0002	LF	Removal Of Track Rails And Ties And Re-Install Including New Bolts And Spikes	105.50
34 01 23 33-0003	EA	Removal Of Railroad Track Turnouts And Re-Install Including New Bolts And Spikes	5,161.40

34 01 43 Operation and Maintenance of Bridges ^(34 01)

34 01 43 00-0001 Repair Of Bridge Posts ^(34 01 43)

34 01 43 00-0002	SF	Chipping Of Concrete To Expose Rebar	38.15
34 01 43 00-0003	EA	Removal And Replacement Of Concrete Post, 20" x 20" Square, 36" To 42" High	2,232.19
Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.			
34 01 43 00-0004	EA	Repair Bearing Pad	792.53

34 01 43 00-0005 Repair Of Bridge Rails ^(34 01 43)

34 01 43 00-0006	EA	Repair Concrete Rail Supports	404.63
34 01 43 00-0007	LF	Repair Guardrail	151.74
34 01 43 00-0008	LF	Repair Bridge Parapet Wall	252.89
34 01 43 00-0009	LF	Repair Bridge Rail	97.35
34 01 43 00-0010	LF	Repair Damaged Metal Rail And Posts	51.54
34 01 43 00-0011	LF	Removal And Replacement Of 1-1/2" Galvanized Metal Rail	60.90
34 01 43 00-0012	LF	Removal And Replacement Of 2-1/2" Galvanized Metal Rail	82.92
34 01 43 00-0013	LF	Removal And Replacement Of 3" Galvanized Metal Rail	94.82

34 01 43 00-0014 Repair Of Bridge ^(34 01 43)

34 01 43 00-0015	LF	Repair Of Expansion Joints On Bridge	24.00

34 05 Common Work Results for Transportation ⁽³⁴⁾

34 05 43 Common Work Results for Bridges ^(34 05)

34 05 43 00-0001 Mobilize Bridge Crew ^(34 05 43)

Note: Excludes mobilize jacking crew.

34 05 43 00-0002	EA	Mobilize Bridge Crew	1,388.76

34 05 43 00-0003 Remove And Patch Bridge And Structures Concrete ^(34 05 43)

Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.

34 05 43 00-0004 Remove And Patch Decks Or Floors ^(34 05 43 00-0003)

Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0005	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Portland Cement Based Repair Material	2,473.82
34 05 43 00-0006	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Portland Cement Based Repair Material	105.05
34 05 43 00-0007	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	2,553.79
34 05 43 00-0008	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	110.05
34 05 43 00-0009	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	2,536.10
34 05 43 00-0010	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	108.94
34 05 43 00-0011	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	3,891.62
For Owner Furnished Material, Deduct			
-1,661.42			
34 05 43 00-0012	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	193.66
For Owner Furnished Material, Deduct			
-103.84			

34 05 43 00-0013 Remove And Patch Verticals Or Overheads ^(34 05 43 00-0003)

Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0014	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	2,914.35
34 05 43 00-0015	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	127.08
34 05 43 00-0016	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	2,994.32
34 05 43 00-0017	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	132.08
34 05 43 00-0018	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	2,976.63
34 05 43 00-0019	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	130.97

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0020 EA Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified).....	4,332.15	
For Owner Furnished Material, Deduct	-1,661.42	
34 05 43 00-0021 SF Remove And Patch >16 SF Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified)	215.69	
For Owner Furnished Material, Deduct	-103.84	
34 05 43 00-0022 Remove And Patch Pier Caps And Pedestals (34 05 43 00-0003)		
Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0023 EA Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material	3,354.87	
34 05 43 00-0024 SF Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material.....	143.60	
34 05 43 00-0025 EA Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material.....	3,434.84	
34 05 43 00-0026 SF Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material	148.60	
34 05 43 00-0027 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	3,417.15	
34 05 43 00-0028 SF Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	147.49	
34 05 43 00-0029 EA Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified).....	4,772.67	
For Owner Furnished Material, Deduct	-1,661.42	
34 05 43 00-0030 SF Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified).....	232.21	
For Owner Furnished Material, Deduct	-103.84	
34 05 43 00-0031 Remove And Patch Circular Piers (34 05 43 00-0003)		
Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0032 EA Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material	4,015.65	
34 05 43 00-0033 SF Remove And Patch >16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material.....	160.12	
34 05 43 00-0034 EA Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material	4,095.62	
34 05 43 00-0035 SF Remove And Patch >16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material.....	165.12	
34 05 43 00-0036 EA Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	4,077.93	
34 05 43 00-0037 SF Remove And Patch >16 SF Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate.....	181.55	
34 05 43 00-0038 EA Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified).....	5,433.45	
For Owner Furnished Material, Deduct	-1,661.42	
34 05 43 00-0039 SF Remove And Patch >16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified)	248.73	
For Owner Furnished Material, Deduct	-103.84	
34 05 43 00-0040 Fiber Reinforced Shotcrete Repair For Bridges (34 05 43)		
34 05 43 00-0041 EA Mobilize Fiber Reinforced Shotcrete Repair Crew	894.98	
34 05 43 00-0042 SF Up To 2" Thick, Fiber Reinforced Shotcrete Repair	55.40	
For Up To 25, Add	26.86	
For >25 To 50, Add	13.43	
For >50 To 150, Add	5.37	
34 05 43 00-0043 SF >2" To 4" Thick, Fiber Reinforced Shotcrete Repair	66.03	
For Up To 25, Add	31.33	
For >25 To 50, Add	15.67	
For >50 To 150, Add	6.27	
34 05 43 00-0044 SF >4" To 6" Thick, Fiber Reinforced Shotcrete Repair	76.66	
For Up To 25, Add	35.80	
For >25 To 50, Add	17.90	
For >50 To 150, Add	7.16	
34 05 43 00-0045 Bridge Railing (34 05 43)		
34 05 43 00-0046 Remove And Store Bridge Railings (34 05 43 00-0045)		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0047 LF Removal And Storage Of One Rail Bridge Railing.....	7.85	
34 05 43 00-0048 LF Removal And Storage Of Two Rail Bridge Railing	15.70	
34 05 43 00-0049 LF Removal And Storage Of Three Rail Bridge Railing	23.55	
34 05 43 00-0050 LF Removal And Storage Of Four Rail Bridge Railing	31.40	
34 05 43 00-0051 Install Stored Or Supplied Bridge Railings (34 05 43 00-0045)		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0052 LF Install Stored Or Supplied One Rail Bridge Railing	66.14	
34 05 43 00-0053 LF Install Stored Or Supplied Two Rail Bridge Railing	132.29	
34 05 43 00-0054 LF Install Stored Or Supplied Three Rail Bridge Railing	198.43	
34 05 43 00-0055 LF Install Stored Or Supplied Four Rail Bridge Railing	264.58	
34 05 43 00-0056 Bridge Bearings (34 05 43)		
Note: Excludes drilling and anchor bolts.		
34 05 43 00-0057 Elastomeric Bearings (34 05 43 00-0056)		
34 05 43 00-0058 EA Plain Elastomeric, Type EP Bearing, 716-10, All Loads	1,233.94	333.31
34 05 43 00-0059 EA Steel Laminated Elastomeric, Type EL Bearing, 716-11, Up To 100K	1,849.83	666.60
For >100K To 250K Load, Add	93.32	
For >250K To 500K Load, Add	186.65	
For >500K To 750K Load, Add	279.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0060 EA Elastomeric with External Load Plates, Type EB Bearing, 716-12, Up To 100K For >100K To 250K Load, Add For >250K To 500K Load, Add For >500K To 750K Load, Add	4,205.74 283.09 566.17 849.26	999.91
34 05 43 00-0061 Fixed Structural Pot Bearings (34 05 43 00-0056)		
34 05 43 00-0062 EA 100K To 250K Fixed Structural Pot Bearing	3,693.55	
34 05 43 00-0063 EA >250K To 500K Fixed Structural Pot Bearing	5,645.07	
34 05 43 00-0064 EA >500K To 750K Fixed Structural Pot Bearing	7,596.55	
34 05 43 00-0065 Universal Structural Expansion Pot Bearings (34 05 43 00-0056)		
34 05 43 00-0066 EA 100K To 250K Universal Structural Pot Bearing	4,583.13	
34 05 43 00-0067 EA >250K To 500K Universal Structural Pot Bearing	7,011.40	
34 05 43 00-0068 EA >500K To 750K Universal Structural Pot Bearing	9,443.80	
34 05 43 00-0069 Guided Structural Expansion Pot Bearings (34 05 43 00-0056)		
34 05 43 00-0070 EA 100K To 250K Guided Structural Pot Bearing	4,746.36	
34 05 43 00-0071 EA >250K To 500K Guided Structural Pot Bearing	7,256.19	
34 05 43 00-0072 EA >500K To 750K Guided Structural Pot Bearing	9,770.18	
34 05 43 00-0073 Remove, Repair And Install Bridge Bearings (34 05 43 00-0056)		
34 05 43 00-0074 Remove Structural Bearings (34 05 43 00-0073)		
34 05 43 00-0075 EA 100K To 250K Structural Bearing Removal	479.12	
34 05 43 00-0076 EA >250K To 500K Structural Bearing Removal	958.25	
34 05 43 00-0077 EA >500K To 750K Structural Bearing Removal	1,437.37	
34 05 43 00-0078 Install And Set Supplied Or Restored Structural Bearings (34 05 43 00-0073)		
34 05 43 00-0079 EA 100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing	718.69	
34 05 43 00-0080 EA >250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing	1,437.37	
34 05 43 00-0081 EA >500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing	2,156.05	
34 05 43 00-0082 Power Wash And Paint Structural Bearings (34 05 43 00-0073)		
Note: Includes bearing plates.		
34 05 43 00-0083 EA 100K To 250K Structural Bearing - Power Wash And Paint	1,121.21	
34 05 43 00-0084 EA >250K To 500K Structural Bearing - Power Wash And Paint	1,266.66	
34 05 43 00-0085 EA >500K To 750K Structural Bearing - Power Wash And Paint	1,412.11	
34 05 43 00-0086 Power Wash, Mechanically Clean And Paint Structural Bearings (34 05 43 00-0073)		
Note: Includes bearing plates. Excludes paint removal.		
34 05 43 00-0087 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,491.59	
For Vacuum Contained Cleaning, Add	370.35	
34 05 43 00-0088 EA >250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,683.29	
For Vacuum Contained Cleaning, Add	416.63	
34 05 43 00-0089 EA >500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,874.57	
For Vacuum Contained Cleaning, Add	462.61	
34 05 43 00-0090 Power Wash And Paint Only Bearing Plates (34 05 43 00-0073)		
34 05 43 00-0091 EA 100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates	699.48	
34 05 43 00-0092 EA >250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates	841.65	
34 05 43 00-0093 EA >500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates	983.81	
34 05 43 00-0094 Power Wash, Mechanically Clean And Paint Only Bearing Plates (34 05 43 00-0073)		
34 05 43 00-0095 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	932.80	
For Vacuum Contained Cleaning, Add	231.47	
34 05 43 00-0096 EA >250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	1,119.40	
For Vacuum Contained Cleaning, Add	277.75	
34 05 43 00-0097 EA >500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	1,305.57	
For Vacuum Contained Cleaning, Add	323.93	
34 05 43 00-0098 Sand Blast And Paint Structural Bearings (34 05 43 00-0073)		
Note: Includes bearing plates.		
34 05 43 00-0099 EA 100K To 250K Structural Bearing - Sand Blast And Paint	1,787.82	
For Vacuum Contained Cleaning, Add	444.41	
34 05 43 00-0100 EA >250K To 500K Structural Bearing - Sand Blast And Paint	2,016.60	
For Vacuum Contained Cleaning, Add	499.96	
34 05 43 00-0101 EA >500K To 750K Structural Bearing - Sand Blast And Paint	2,245.37	
For Vacuum Contained Cleaning, Add	555.51	
34 05 43 00-0102 Sand Blast And Paint Only Bearing Plates (34 05 43 00-0073)		

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0103 EA 100K To 250K Structural Bearing - Sand Blast And Paint Only Bearing Plates..... <i>For Vacuum Contained Cleaning, Add</i>	1,117.93 277.75	
34 05 43 00-0104 EA >250K To 500K Structural Bearing - Sand Blast And Paint Only Bearing Plates..... <i>For Vacuum Contained Cleaning, Add</i>	1,341.60 333.30	
34 05 43 00-0105 EA >500K To 750K Structural Bearing - Sand Blast And Paint Only Bearing Plates..... <i>For Vacuum Contained Cleaning, Add</i>	1,565.28 388.86	
34 05 43 00-0106 Grease Structural Bearings (34 05 43 00-0073)		
34 05 43 00-0107 EA 100K To 250K Structural Bearing - Grease	69.43	
34 05 43 00-0108 EA >250K To 500K Structural Bearing - Grease	104.16	
34 05 43 00-0109 EA >500K To 750K Structural Bearing - Grease	138.88	
34 05 43 00-0110 Replace Bronze Plate Wearing Pad (34 05 43 00-0073)		
34 05 43 00-0111 SF Removal And Replacement Of Bronze Plate Wearing Pad	476.98	
34 05 43 00-0112 Bridge Bearing Rivet Removal (34 05 43 00-0073) See CSI section 02 41 19 13-0080 for reaming of hole, 34 05 43 00-0343 for anchors and grouting.		
34 05 43 00-0113 EA Bridge Bearing Rivet Removal.....	277.75	
34 05 43 00-0114 Bridge Pintels, Side Keeper, And Shim Plates (34 05 43)		
34 05 43 00-0115 EA Removal And Replacement Of Bridge Pintel	285.32	
34 05 43 00-0116 EA Removal And Replacement Of Bridge Side Keeper	291.52	
34 05 43 00-0117 EA Refabricate And Install Shim Plates At One Bearing	174.27	
34 05 43 00-0118 EA Refabricate And Install Beveled Shim Plates At One Bearing	174.27	
34 05 43 00-0119 EA Refabricate And Install Finger Shim Plates At One Bearing	174.27	
34 05 43 00-0120 Vertical Jacking And Lifting For Bridges (34 05 43) Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 03 01 30 71-0000 for concrete repair, 05 12 23 00-0000 for temporary steel members.		
34 05 43 00-0121 Mobilize Jacking Crew And Equipment (34 05 43 00-0120) Note: Includes removing equipment after completion.		
34 05 43 00-0122 EA Mobilize Bridge Jacking Crew and Equipment..... <i>For Temporary Support Mobilization, Add</i>	2,499.78 4,999.56	
34 05 43 00-0123 Vertical Jacking And Lifting Per Point of Contact (34 05 43 00-0120) Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.		
34 05 43 00-0124 EA Up To 10 Ton Jack, Per Point Of Contact..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	416.63 83.33 166.65	
34 05 43 00-0125 EA >10 To 20 Ton Jack, Per Point Of Contact	486.06	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	97.21 194.42	
34 05 43 00-0126 EA >20 To 40 Ton Jack, Per Point Of Contact	555.51	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	111.10 222.20	
34 05 43 00-0127 EA >40 To 60 Ton Jack, Per Point Of Contact	624.94	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	124.99 249.98	
34 05 43 00-0128 EA >60 To 80 Ton Jack, Per Point Of Contact	694.38	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	138.88 277.75	
34 05 43 00-0129 EA >80 To 100 Ton Jack, Per Point Of Contact	763.82	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	152.76 305.53	
34 05 43 00-0130 EA >100 To 120 Ton Jack, Per Point Of Contact	833.26	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	166.65 333.30	
34 05 43 00-0131 EA >120 To 140 Ton Jack, Per Point Of Contact	867.97	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	173.59 347.19	
34 05 43 00-0132 EA >140 To 160 Ton Jack, Per Point Of Contact	902.69	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	180.54 361.08	
34 05 43 00-0133 EA >160 To 250 Ton Jack, Per Point Of Contact	902.69	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	180.54 361.08	
34 05 43 00-0134 EA >250 To 300 Ton Jack, Per Point Of Contact	972.13	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	194.43 388.85	
34 05 43 00-0135 EA >300 To 400 Ton Jack, Per Point Of Contact	1,041.57	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	208.31 416.63	
34 05 43 00-0136 EA >400 To 500 Ton Jack, Per Point Of Contact	1,111.01	
<i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	222.20 444.40	



Transportation		34
Common Work Results for Transportation		34 05
Common Work Results for Bridges		34 05 43

34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0137 EA >500 To 600 Ton Jack, Per Point Of Contact For Synchronized Lift, Add For Jacking From Temporary Support, Add	1,180.45 236.09 472.18	
34 05 43 00-0138 Daily Charge For Vertical Jacking Equipment (34 05 43 00-0120) Note: Includes hydraulics and synchronizing equipment.		
34 05 43 00-0139 DAY Up To 10 Ton Jacking Equipment Charge By The Day	21.76	
34 05 43 00-0140 DAY >10 To 20 Ton Jacking Equipment Charge By The Day	43.51	
34 05 43 00-0141 DAY >20 To 40 Ton Jacking Equipment Charge By The Day	87.03	
34 05 43 00-0142 DAY >40 To 60 Ton Jacking Equipment Charge By The Day	130.54	
34 05 43 00-0143 DAY >60 To 80 Ton Jacking Equipment Charge By The Day	174.05	
34 05 43 00-0144 DAY >80 To 100 Ton Jacking Equipment Charge By The Day	217.56	
34 05 43 00-0145 DAY >100 To 120 Ton Jacking Equipment Charge By The Day	261.08	
34 05 43 00-0146 DAY >120 To 140 Ton Jacking Equipment Charge By The Day	304.59	
34 05 43 00-0147 DAY >140 To 160 Ton Jacking Equipment Charge By The Day	348.10	
34 05 43 00-0148 DAY >160 To 250 Ton Jacking Equipment Charge By The Day	397.22	
34 05 43 00-0149 DAY >250 To 300 Ton Jacking Equipment Charge By The Day	452.83	
34 05 43 00-0150 DAY >300 To 400 Ton Jacking Equipment Charge By The Day	573.58	
34 05 43 00-0151 DAY >400 To 500 Ton Jacking Equipment Charge By The Day	681.12	
34 05 43 00-0152 DAY >500 To 600 Ton Jacking Equipment Charge By The Day	776.50	
34 05 43 00-0153 Temporary Shoring (34 05 43 00-0120) Note: Setup includes material use cost and initial erection. Setup is also used for relocation to the opposite abutment. Relocation includes moving and setup at a new jacking location. Takedown includes disassembly and removal from the site. Excludes earthwork and temporary stone.		
34 05 43 00-0154 HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring (34 05 43 00-0153)		
34 05 43 00-0155 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	2,933.02	
34 05 43 00-0156 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,132.22	
34 05 43 00-0157 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	450.13	
34 05 43 00-0158 HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring (34 05 43 00-0153)		
34 05 43 00-0159 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	3,017.07	
34 05 43 00-0160 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,011.23	
34 05 43 00-0161 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	431.80	
34 05 43 00-0162 HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring (34 05 43 00-0153)		
34 05 43 00-0163 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	1,934.65	
34 05 43 00-0164 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	904.99	
34 05 43 00-0165 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	274.89	
34 05 43 00-0166 HP14x117 Column Attached to Existing Footing, Permanent Steel Stiffeners, Braced by Angles Attached to Abutment Face, Temporary Shoring (34 05 43 00-0153)		
34 05 43 00-0167 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	5,401.41	
34 05 43 00-0168 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	3,241.62	
34 05 43 00-0169 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	739.91	
34 05 43 00-0170 Mat Supported HP12x63 Column, Braced by Channel and Angles, Attached to Existing 4" Diameter Concrete Column, Temporary Shoring (34 05 43 00-0153) Note: Excludes mats. See CSI section 01 22 23 00-0565 for mats.		
34 05 43 00-0171 EA Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Set-up	5,728.48	
Note: Excludes mats.		

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0172	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation..... Note: Excludes mats.	2,239.19	
34 05 43 00-0173	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal..... Note: Excludes mats.	1,129.34	
34 05 43 00-0174		Mat Supported HP12x53 Column, Braced by Channel and Angles, Attached to Abutment Face, Temporary Shoring (34 05 43 00-0153) Note: Excludes mats. See CSI section 01 22 23 00-0565 for mats.		
34 05 43 00-0175	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up.....	2,336.95	
34 05 43 00-0176	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation..... Note: Excludes mats.	687.15	
34 05 43 00-0177	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal..... Note: Excludes mats.	387.14	
34 05 43 00-0178		MC18x51.9 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring (34 05 43 00-0153)		
34 05 43 00-0179	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Set-up.....	2,981.77	
34 05 43 00-0180	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Relocation.....	2,755.30	
34 05 43 00-0181	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Take Down And Removal.....	377.98	
34 05 43 00-0182		MC15x74 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring (34 05 43 00-0153)		
34 05 43 00-0183	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Set-up.....	2,135.38	
34 05 43 00-0184	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Relocation.....	1,947.91	
34 05 43 00-0185	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Take Down And Removal.....	311.54	
34 05 43 00-0186		Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge Column, Temporary Shoring (34 05 43 00-0153)		
34 05 43 00-0187	EA	Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge, Temporary Shoring Set-up..... Note: Left in place.	1,408.72	
34 05 43 00-0188		Temporary Bridge Shoring Components (34 05 43 00-0153) Note: For temporary shoring of columns and abutments associated with vertical jacking of structural members. Includes lifting equipment where appropriate. Excludes engineering and design. See CSI section 01 54 23 00-0041 for temporary lumber.		
34 05 43 00-0189		Fabricate, Install And Remove After Use Temporary Steel Bridge Shoring (34 05 43 00-0188) Note: Includes cutting, drilling and welds. Excludes gravel, mats, anchors, and bolts.		
34 05 43 00-0190	LF	Fabricate And Install MC7 x 19.1 For Temporary Bridge Shoring..... Note: Remove after use.	89.50	
34 05 43 00-0191	LF	Fabricate And Install MC18 x 51.9 For Temporary Bridge Shoring..... Note: Remove after use.	221.25	
34 05 43 00-0192	LF	Fabricate And Install HP12 x 53 For Temporary Bridge Shoring..... Note: Remove after use.	171.72	
34 05 43 00-0193	LF	Fabricate And Install HP12 x 63 For Temporary Bridge Shoring..... Note: Remove after use.	191.75	
34 05 43 00-0194	LF	Fabricate And Install 3" x 3" x 3/8" Angle Iron For Temporary Bridge Shoring..... Note: Remove after use.	25.72	
		<i>For Galvanized Steel, Add</i>	6.16	
34 05 43 00-0195	LF	Fabricate And Install 4" x 4" x 3/8" Angle Iron For Temporary Bridge Shoring..... Note: Remove after use.	32.70	
		<i>For Galvanized Steel, Add</i>	8.38	
34 05 43 00-0196	LF	Fabricate And Install 7" x 4" x 5/8" Angle Iron For Temporary Bridge Shoring..... Note: Remove after use.	65.94	
		<i>For Galvanized Steel, Add</i>	18.95	
34 05 43 00-0197	LF	Fabricate And Install 5" x 3-1/2" x 3/4" Angle Iron For Temporary Bridge Shoring..... Note: Remove after use.	57.15	
		<i>For Galvanized Steel, Add</i>	16.98	
34 05 43 00-0198	LF	Fabricate And Install 7" x 4" x 3/4" Angle Iron For Temporary Bridge Shoring..... Note: Remove after use.	75.62	
		<i>For Galvanized Steel, Add</i>	22.46	
34 05 43 00-0199	SF	Fabricate And Install 5/8" A36 Steel Plates For Temporary Bridge Shoring..... Note: Remove after use.	92.70	
		<i>For A50 Grade Steel, Add</i>	2.47	
34 05 43 00-0200	SF	Fabricate And Install 7/8" A36 Steel Plates For Temporary Bridge Shoring..... Note: Remove after use.	129.77	
		<i>For A50 Grade Steel, Add</i>	3.46	
34 05 43 00-0201	SF	Fabricate And Install 1-3/8" A36 Steel Plates For Temporary Bridge Shoring..... Note: Remove after use.	203.93	
		<i>For A50 Grade Steel, Add</i>	5.44	
34 05 43 00-0202	SF	Fabricate And Install 1-1/2" A36 Steel Plates For Temporary Bridge Shoring..... Note: Remove after use.	222.47	
		<i>For A50 Grade Steel, Add</i>	5.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0203 Relocate Temporary Steel Bridge Shoring (34 05 43 00-0188) Note: Includes removal after use.		
34 05 43 00-0204 EA Relocate Complete Temporary Steel Bridge Shoring.....	4,887.56	
Note: Remove after use. Includes relocating support mats. Excludes anchors, bolts or additional steel if required.		
34 05 43 00-0205 SF Relocate 1-3/8" A36 Steel Plates For Temporary Bridge Shoring	95.18	
Note: Remove after use.		
34 05 43 00-0206 LF Relocate HP12 x 63 For Temporary Bridge Shoring.....	78.20	
Note: Remove after use.		
34 05 43 00-0207 LF Relocate 3" x 3" x 3/8" Angle Iron For Temporary Bridge Shoring.....	15.79	
Note: Remove after use.		
34 05 43 00-0208 LF Relocate 4" x 4" x 3/8" Angle Iron For Temporary Bridge Shoring.....	19.18	
Note: Remove after use.		
34 05 43 00-0209 LF Relocate 7" x 4" x 3/4" Angle Iron For Temporary Bridge Shoring.....	39.39	
Note: Remove after use.		
34 05 43 00-0210 SF Relocate 7/8" A36 Steel Plates For Temporary Bridge Shoring.....	60.57	
Note: Remove after use.		
34 05 43 00-0211 LF Relocate MC7 x 19.1 For Temporary Bridge Shoring	45.35	
Note: Remove after use.		
34 05 43 00-0212 LF Relocate HP12 x 53 For Temporary Bridge Shoring.....	76.57	
Note: Remove after use.		
34 05 43 00-0213 SF Relocate 5/8" A36 Steel Plates For Temporary Bridge Shoring.....	43.27	
Note: Remove after use.		
34 05 43 00-0214 LF Relocate 7" x 4" x 5/8" Angle Iron For Temporary Bridge Shoring.....	35.38	
Note: Remove after use.		
34 05 43 00-0215 SF Relocate 1-1/2" A36 Steel Plates For Temporary Bridge Shoring	103.84	
Note: Remove after use.		
34 05 43 00-0216 LF Relocate MC18 x 51.9 For Temporary Bridge Shoring	130.87	
Note: Remove after use.		
34 05 43 00-0217 LF Relocate 5" x 3-1/2" x 3/4" Angle Iron For Temporary Bridge Shoring.....	29.77	
Note: Remove after use.		
34 05 43 00-0218 Pier Caps And Pedestal Replacement For Bridges (34 05 43) See CSI section 03 15 19 00-0001 for anchor bolts.		
34 05 43 00-0219 SF Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas For Bridges.....	31.80	
34 05 43 00-0220 CWT Rebar For Pier Cap Or Pedestals For Bridges	523.51	
34 05 43 00-0221 CY Pour Pedestals For Bridges.....	436.38	
34 05 43 00-0222 CY Demolish Concrete Pedestals For Bridges	4,534.04	
34 05 43 00-0223 CY Pour Pier Cap For Bridges.....	515.77	
34 05 43 00-0224 CY Demolish Concrete Pier Cap For Bridges.....	5,213.65	
34 05 43 00-0225 Bridge Deck Repair (34 05 43)		
34 05 43 00-0226 Bridge Expansion Joint Repair (34 05 43 00-0225) Note: Replace header with semi-flexible polymer nosing system. Includes saw cutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal. Excludes disposal.		
34 05 43 00-0227 CF Removal And Replacement Of Header With Semi-Flexible Polymer Nosing System For Bridge Expansion Joint Repair.....	979.93	
34 05 43 00-0228 CF Removal And Replacement Of Header With Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Expansion Joint Repair.....	231.47	
Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.		
For Up To 24, Add	40.29	
34 05 43 00-0229 CF Removal And Replacement Of Header With Polyester-Based Polymer Patch For Bridge Expansion Joint Repair.....	236.44	
Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.		
For Up To 24, Add	40.79	
34 05 43 00-0230 CI Seal Expansion Joints With Rapid Cure Silicone For Bridge Expansion Joint Repair	7.47	
34 05 43 00-0231 CI Seal Expansion Joints With Closed Cell Foam/EVA For Bridge Expansion Joint Repair	0.86	
34 05 43 00-0232 LF Seal Expansion Joints With "V" Shape Preformed Silicone For Bridge Expansion Joint Repair.....	97.87	
For >1,000 To 2,500, Deduct	-9.79	
For >2,500, Deduct	-15.96	
34 05 43 00-0233 LF Seal Expansion Joints With "W" Shape Preformed Silicone For Bridge Expansion Joint Repair.....	103.73	
For >1,000 To 2,500, Deduct	-10.37	
For >2,500, Deduct	-16.84	
34 05 43 00-0234 Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck (34 05 43 00-0225) Note: Includes steel profile and neoprene seal element. Demolition includes saw cutting and disposal of existing strip seal but excludes concrete removal.		
34 05 43 00-0235 LF 1-1/4" x 3-3/4" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	199.33	
For >1,000 To 2,500, Deduct	-19.93	
For >2,500, Deduct	-33.81	
34 05 43 00-0236 LF 1-7/8" x 8" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	226.64	
For >1,000 To 2,500, Deduct	-22.66	
For >2,500, Deduct	-38.06	

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0237 LF 1-1/4" x 2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck 177.71 For >1,000 To 2,500, Deduct .....-17.77 For >2,500, Deduct .....-30.41		
34 05 43 00-0238 LF 1" x 1-1/2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck 175.47 For >1,000 To 2,500, Deduct .....-17.55 For >2,500, Deduct .....-30.07		
34 05 43 00-0239 Silicone Joint Sealant For Concrete Bridge Deck (34 05 43 00-0225) Note: Installation includes saw cutting, high pressure water wash, sand blast, sweeping, cleaning area, backer rod and silicone sealant.		
34 05 43 00-0240 LF 1" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck 28.86 For >1,000 To 2,500, Deduct .....-2.89 For >2,500, Deduct .....-5.18		
34 05 43 00-0241 LF 1-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck 37.76 For >1,000 To 2,500, Deduct .....-3.78 For >2,500, Deduct .....-6.53		
34 05 43 00-0242 LF 2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck 53.35 For >1,000 To 2,500, Deduct .....-5.34 For >2,500, Deduct .....-8.88		
34 05 43 00-0243 LF 2-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck 57.12 For >1,000 To 2,500, Deduct .....-5.71 For >2,500, Deduct .....-9.47		
34 05 43 00-0244 V Shaped Prefomed Extruded EPDM Expansion Joint For Concrete Bridge Deck (34 05 43 00-0225) Note: Includes saw cutting, sand blasting, conditioner, epoxy, and backer rod.		
34 05 43 00-0245 LF 3" Remove And Replace V Shaped Prefomed Extruded EPDM Expansion Joint For Concrete Bridge Deck 95.51 For >1,000 To 2,500, Deduct .....-9.55 For >2,500, Deduct .....-16.87		
34 05 43 00-0246 LF 4" Remove And Replace V Shaped Prefomed Extruded EPDM Expansion Joint For Concrete Bridge Deck 100.88 For >1,000 To 2,500, Deduct .....-10.09 For >2,500, Deduct .....-17.80		
34 05 43 00-0247 J Shaped Prefomed Extruded Neoprene Expansion Joint For Concrete Bridge Deck (34 05 43 00-0225) Note: Includes saw cutting, sand blasting, conditioner, and epoxy.		
34 05 43 00-0248 LF 2" Remove And Replace J Shaped Prefomed Extruded Neoprene Expansion Joint For Concrete Bridge Deck 96.91 For >1,000 To 2,500, Deduct .....-9.69 For >2,500, Deduct .....-16.86		
34 05 43 00-0249 LF 2-1/2" Remove And Replace J Shaped Prefomed Extruded Neoprene Expansion Joint For Concrete Bridge Deck 115.29 For >1,000 To 2,500, Deduct .....-11.53 For >2,500, Deduct .....-19.72		
34 05 43 00-0250 LF 3" Remove And Replace J Shaped Prefomed Extruded Neoprene Expansion Joint For Concrete Bridge Deck 142.62 For >1,000 To 2,500, Deduct .....-14.26 For >2,500, Deduct .....-23.94		
34 05 43 00-0251 LF 3-1/2" Remove And Replace J Shaped Prefomed Extruded Neoprene Expansion Joint For Concrete Bridge Deck 173.03 For >1,000 To 2,500, Deduct .....-17.30 For >2,500, Deduct .....-28.62		
34 05 43 00-0252 LF 4" Remove And Replace J Shaped Prefomed Extruded Neoprene Expansion Joint For Concrete Bridge Deck 193.22 For >1,000 To 2,500, Deduct .....-19.32 For >2,500, Deduct .....-31.78		
34 05 43 00-0253 LF 5" Remove And Replace J Shaped Prefomed Extruded Neoprene Expansion Joint For Concrete Bridge Deck 356.08 For >1,000 To 2,500, Deduct .....-35.61 For >2,500, Deduct .....-56.47		
34 05 43 00-0254 Prefomed Extruded Neoprene Compression Joint For Concrete Bridge Deck (34 05 43 00-0225) Note: Includes saw cutting, sand blasting, and lubricant adhesive.		
34 05 43 00-0255 LF 1-1/4" x 1-1/4" Remove And Replace Prefomed Extruded Neoprene Compression Joint For Concrete Bridge Deck 51.17 For >1,000 To 2,500, Deduct .....-5.12 For >2,500, Deduct .....-9.79		
34 05 43 00-0256 LF 1-5/8" x 1-7/8" Remove And Replace Prefomed Extruded Neoprene Compression Joint For Concrete Bridge Deck 55.58 For >1,000 To 2,500, Deduct .....-5.56 For >2,500, Deduct .....-10.55		
34 05 43 00-0257 LF 1-3/4" x 1-3/4" Remove And Replace Prefomed Extruded Neoprene Compression Joint For Concrete Bridge Deck 58.20 For >1,000 To 2,500, Deduct .....-5.82 For >2,500, Deduct .....-11.00		
34 05 43 00-0258 LF 2" x 2" Remove And Replace Prefomed Extruded Neoprene Compression Joint For Concrete Bridge Deck 61.34 For >1,000 To 2,500, Deduct .....-6.13 For >2,500, Deduct .....-11.52		
34 05 43 00-0259 LF 2-1/2" x 2-1/2" Remove And Replace Prefomed Extruded Neoprene Compression Joint For Concrete Bridge Deck 69.13 For >1,000 To 2,500, Deduct .....-6.91 For >2,500, Deduct .....-12.80		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0260	LF	3" x 3-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	79.19	
		For >1,000 To 2,500, Deduct	-7.92	
		For >2,500, Deduct	-14.42	
34 05 43 00-0261	LF	3-1/2" x 3-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	93.10	
		For >1,000 To 2,500, Deduct	-9.31	
		For >2,500, Deduct	-16.63	
34 05 43 00-0262	LF	4" x 4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	107.26	
		For >1,000 To 2,500, Deduct	-10.73	
		For >2,500, Deduct	-18.88	
34 05 43 00-0263	LF	4-1/2" x 4-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	113.15	
		For >1,000 To 2,500, Deduct	-11.32	
		For >2,500, Deduct	-19.90	
34 05 43 00-0264	LF	5" x 5" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	129.38	
		For >1,000 To 2,500, Deduct	-12.94	
		For >2,500, Deduct	-22.47	
34 05 43 00-0265	LF	6" x 6" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	184.50	
		For >1,000 To 2,500, Deduct	-18.45	
		For >2,500, Deduct	-30.88	
34 05 43 00-0266		Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck (34 05 43 00-0225) Note: Includes saw cutting, sand blasting and epoxy.		
34 05 43 00-0267	LF	1/2" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	44.59	
		For >1,000 To 2,500, Deduct	-4.46	
		For >2,500, Deduct	-8.61	
34 05 43 00-0268	LF	5/8" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	45.85	
		For >1,000 To 2,500, Deduct	-4.59	
		For >2,500, Deduct	-8.84	
34 05 43 00-0269	LF	3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	47.11	
		For >1,000 To 2,500, Deduct	-4.71	
		For >2,500, Deduct	-9.08	
34 05 43 00-0270	LF	1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	48.72	
		For >1,000 To 2,500, Deduct	-4.87	
		For >2,500, Deduct	-9.37	
34 05 43 00-0271	LF	1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	50.38	
		For >1,000 To 2,500, Deduct	-5.04	
		For >2,500, Deduct	-9.67	
34 05 43 00-0272	LF	1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	68.60	
		For >1,000 To 2,500, Deduct	-6.86	
		For >2,500, Deduct	-12.45	
34 05 43 00-0273	LF	1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	73.00	
		For >1,000 To 2,500, Deduct	-7.30	
		For >2,500, Deduct	-13.22	
34 05 43 00-0274	LF	2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	75.70	
		For >1,000 To 2,500, Deduct	-7.57	
		For >2,500, Deduct	-13.68	
34 05 43 00-0275	LF	2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	79.89	
		For >1,000 To 2,500, Deduct	-7.99	
		For >2,500, Deduct	-14.36	
34 05 43 00-0276	LF	2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	84.60	
		For >1,000 To 2,500, Deduct	-8.46	
		For >2,500, Deduct	-15.12	
34 05 43 00-0277	LF	2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	89.54	
		For >1,000 To 2,500, Deduct	-8.95	
		For >2,500, Deduct	-15.92	
34 05 43 00-0278	LF	3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	92.16	
		For >1,000 To 2,500, Deduct	-9.22	
		For >2,500, Deduct	-16.37	
34 05 43 00-0279	LF	3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	100.48	
		For >1,000 To 2,500, Deduct	-10.05	
		For >2,500, Deduct	-17.68	
34 05 43 00-0280	LF	3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	107.38	
		For >1,000 To 2,500, Deduct	-10.74	
		For >2,500, Deduct	-18.77	
34 05 43 00-0281	LF	3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	113.33	
		For >1,000 To 2,500, Deduct	-11.33	
		For >2,500, Deduct	-19.73	

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0282 LF 4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	116.09	
For >1,000 To 2,500, Deduct	-11.61	
For >2,500, Deduct	-20.21	
34 05 43 00-0283 EA 3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	149.79	
34 05 43 00-0284 EA 1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	154.44	
34 05 43 00-0285 EA 1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	176.73	
34 05 43 00-0286 EA 1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	184.12	
34 05 43 00-0287 EA 1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	190.58	
34 05 43 00-0288 EA 2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	216.28	
34 05 43 00-0289 EA 2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	222.08	
34 05 43 00-0290 EA 2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	228.79	
34 05 43 00-0291 EA 2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	235.89	
34 05 43 00-0292 EA 3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	268.94	
34 05 43 00-0293 EA 3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	281.81	
34 05 43 00-0294 EA 3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	292.30	
34 05 43 00-0295 EA 3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	301.17	
34 05 43 00-0296 EA 4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	305.42	
34 05 43 00-0297 Remove Existing Steel Joint System (34 05 43 00-0225)		
34 05 43 00-0298 LF Removal Of Existing Steel Joint System.....	68.72	
34 05 43 00-0299 Break-Up And Remove Bridge Decking By Machine (34 05 43 00-0225)		
Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting, See CSI section 02 41 19 13-0057 for saw cutting.		
34 05 43 00-0300 SY Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine.....	22.22	
For >500 To 1,000, Deduct	-2.22	
For >1,000 To 2,500, Deduct	-4.00	
For >2,500 To 5,000, Deduct	-5.78	
For >5,000 To 10,000, Deduct	-7.55	
For >10,000, Deduct	-9.33	
34 05 43 00-0301 SY Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine.....	30.34	
For >500 To 1,000, Deduct	-3.03	
For >1,000 To 2,500, Deduct	-5.46	
For >2,500 To 5,000, Deduct	-7.89	
For >5,000 To 10,000, Deduct	-10.32	
For >10,000, Deduct	-12.74	
34 05 43 00-0302 SY Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine.....	36.80	
For >500 To 1,000, Deduct	-3.68	
For >1,000 To 2,500, Deduct	-6.62	
For >2,500 To 5,000, Deduct	-9.57	
For >5,000 To 10,000, Deduct	-12.51	
For >10,000, Deduct	-15.46	
34 05 43 00-0303 SY Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine.....	47.32	
For >500 To 1,000, Deduct	-4.73	
For >1,000 To 2,500, Deduct	-8.52	
For >2,500 To 5,000, Deduct	-12.30	
For >5,000 To 10,000, Deduct	-16.09	
For >10,000, Deduct	-19.87	
34 05 43 00-0304 SY Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine.....	84.59	
For >500 To 1,000, Deduct	-8.46	
For >1,000 To 2,500, Deduct	-15.23	
For >2,500 To 5,000, Deduct	-21.99	
For >5,000 To 10,000, Deduct	-28.76	
For >10,000, Deduct	-35.53	
34 05 43 00-0305 SY Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine.....	110.41	
For >500 To 1,000, Deduct	-11.04	
For >1,000 To 2,500, Deduct	-19.87	
For >2,500 To 5,000, Deduct	-28.71	
For >5,000 To 10,000, Deduct	-37.54	
For >10,000, Deduct	-46.37	
34 05 43 00-0306 SY Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine.....	144.34	
For >500 To 1,000, Deduct	-14.43	
For >1,000 To 2,500, Deduct	-25.98	
For >2,500 To 5,000, Deduct	-37.53	
For >5,000 To 10,000, Deduct	-49.08	
For >10,000, Deduct	-60.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0307 SY Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	175.18 -17.52 -31.53 -45.55 -59.56 -73.58	
34 05 43 00-0308 Break-Up And Remove Bridge Decking By Hand (34 05 43 00-0225) Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0057 for saw cutting.		
34 05 43 00-0309 SF Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	14.19	
34 05 43 00-0310 SF Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	18.67	
34 05 43 00-0311 SF Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	24.28	
34 05 43 00-0312 SF Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	17.74	
34 05 43 00-0313 SF Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	22.17	
34 05 43 00-0314 SF Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	26.60	
34 05 43 00-0315 SF Chipping And Cleaning Of Bridge Deck After Break-up And Removals.....	6.39	
34 05 43 00-0316 Hydro Blasting Of Bridge Decks (34 05 43 00-0225) Note: Excludes hauling and disposal of water and debris.		
34 05 43 00-0317 EA Mobilization Of Hydro Blasting Equipment..... Note: Includes trailer with power, hydro milling machine, vacuum machine.	14,823.88	
34 05 43 00-0318 EA Mobilization Of Hydro Blasting Equipment..... Note: Includes water tank, pump and miscellaneous fittings.	1,925.18	
34 05 43 00-0319 SF Hydro Blasting Of Up To 2-1/2" Of Bridge Decks	13.37	
34 05 43 00-0320 SF Vacuuming And Cleaning Of Bridge Decks Up To 2-1/2", Following Hydroblasting	9.88	
34 05 43 00-0321 SF Chipping And Cleaning Of Bridge Deck After Hydro Blasting And Vacuum Up To 2-1/2"	2.44	
34 05 43 00-0322 SF Hydro Blasting 3" To 4-1/2" Of Bridge Decks.....	19.77	
34 05 43 00-0323 SF Vacuuming And Cleaning Of Bridge Decks 3" To 4-1/2", Following Hydro Blasting	13.37	
34 05 43 00-0324 SF Chipping And Cleaning Of Bridge Deck After Hydro Blasting And Vacuum 3" To 4-1/2".....	6.39	
34 05 43 00-0325 GAL Water For Hydro Blasting	0.18	
Note: Includes delivery.		
34 05 43 00-0326 Patch For Bridge Deck (34 05 43 00-0225)		
34 05 43 00-0327 CF Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Deck Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.	102.92	
34 05 43 00-0328 CF Polyester-Based Polymer Patch For Bridge Deck	107.89	
Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.		
34 05 43 00-0329 SF Hand Placed Hot Mixed Asphalt Repair For Bridge Approach..... Note: Includes removal of HMA, tack coat, and installation of HMA and compaction by roller.	26.29	
34 05 43 00-0330 Pressure Washing For Bridge Deck (34 05 43 00-0225)		
34 05 43 00-0331 SF Pressure Washing For Bridge Deck..... Note: Includes pressure washer and water.	0.09	
34 05 43 00-0332 Galvanic Anodes For Bridges (34 05 43)		
34 05 43 00-0333 EA 2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP) Note: Corrosion prevention only (preventing the initiation of corrosion).	60.01	
34 05 43 00-0334 EA 4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT) Note: Corrosion prevention only (preventing the initiation of corrosion).	60.01	
34 05 43 00-0335 EA 2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	68.60	
34 05 43 00-0336 EA 4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	75.12	
34 05 43 00-0337 EA 2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	68.60	
34 05 43 00-0338 EA 1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65)..... Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	70.77	

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0339 EA 1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100).....	85.99	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0340 EA 1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135).....	79.47	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0341 Bridge Netting Panels (34 05 43)		
34 05 43 00-0342 SF Bridge Netting Panel.....	10.25	
Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.		
For Up To 160, Add	10.24	
For >160 To 320, Add	5.12	
For >320 To 480, Add	2.56	
For >2,000 To 10,000, Deduct	-0.45	
For >10,000 To 25,000, Deduct	-0.90	
For >25,000, Deduct	-1.35	
34 05 43 00-0343 Anchors For Bridges (34 05 43)		
Note: Excludes core drilling. See CSI section 02 41 19 13-0080 for core drilling.		
34 05 43 00-0344 Threaded Rod, A449 (34 05 43 00-0343)		
34 05 43 00-0345 LF 7/8" Diameter Continuous Threaded Rod, A449.....	21.68	
34 05 43 00-0346 LF 1" Diameter Continuous Threaded Rod, A449.....	25.79	
34 05 43 00-0347 LF 1-1/8" Diameter Continuous Threaded Rod, A449.....	29.87	
34 05 43 00-0348 LF 1-1/4" Diameter Continuous Threaded Rod, A449.....	37.73	
34 05 43 00-0349 Flat Washers, F436 (34 05 43 00-0343)		
34 05 43 00-0350 EA 7/8" Flat Washer, F436.....	2.35	
34 05 43 00-0351 EA 1" Flat Washer, F436.....	2.73	
34 05 43 00-0352 EA 1-1/8" Flat Washer, F436.....	3.00	
34 05 43 00-0353 EA 1-1/4" Flat Washer, F436.....	3.42	
34 05 43 00-0354 Heavy Hex Nut, A194 (34 05 43 00-0343)		
34 05 43 00-0355 EA 7/8" Hex Nut, A194.....	4.73	
34 05 43 00-0356 EA 1" Hex Nut, A194.....	6.43	
34 05 43 00-0357 EA 1-1/8" Hex Nut, A194.....	7.62	
34 05 43 00-0358 EA 1-1/4" Hex Nut, A194.....	9.10	
34 05 43 00-0359 Grout For Threaded Rod (34 05 43 00-0343)		
34 05 43 00-0360 IN Grout 7/8" Rod In Hole.....	3.22	
34 05 43 00-0361 IN Grout 1" Rod In Hole.....	3.68	
34 05 43 00-0362 IN Grout 1-1/8" Rod In Hole.....	4.29	
34 05 43 00-0363 IN Grout 1-1/4" Rod In Hole.....	5.14	
34 05 43 00-0364 Test Grouted Anchor (34 05 43 00-0343)		
34 05 43 00-0365 EA Test Grouted Anchor.....	36.62	
34 05 43 00-0366 Removal Of Fasteners Or Anchors In Concrete (34 05 43 00-0343)		
Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.		
34 05 43 00-0367 EA Drill Out 3/8" Diameter Fastener/Anchor In Concrete.....	30.17	
34 05 43 00-0368 EA Drill Out 1/2" Diameter Fastener/Anchor In Concrete.....	32.45	
34 05 43 00-0369 EA Drill Out 9/16" Diameter Fastener/Anchor In Concrete.....	34.03	
34 05 43 00-0370 EA Drill Out 5/8" Diameter Fastener/Anchor In Concrete.....	37.03	
34 05 43 00-0371 EA Drill Out 3/4" Diameter Fastener/Anchor In Concrete.....	40.49	
34 05 43 00-0372 EA Drill Out 7/8" Diameter Fastener/Anchor In Concrete.....	44.81	
34 05 43 00-0373 EA Drill Out 1" Diameter Fastener/Anchor In Concrete.....	47.40	
34 05 43 00-0374 EA Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete.....	50.47	
34 05 43 00-0375 EA Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete.....	54.29	
34 05 43 00-0376 EA Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete.....	60.91	
34 05 43 00-0377 Bridge Surfacing (34 05 43)		
34 05 43 00-0378 Bridge Coatings (34 05 43 00-0377)		
Note: Includes sweeping of bridge deck.		
34 05 43 00-0379 SF Penetrating Corrosion Inhibitor Sealer For Bridge Decks (Two Coats).....	1.25	
Note: Includes power washing and drying after power washing.		
34 05 43 00-0380 SF Protective Seal Coat For Existing Bridge Decks.....	2.30	
34 05 43 00-0381 SF Penetrating Sealer For Existing Bridge Decks.....	3.80	



Transportation		34
Common Work Results for Transportation		34 05
Common Work Results for Bridges		34 05 43

34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0382 Bridge Membranes (34 05 43 00-0377) Note: Excludes abrasive blasting of deck.		
34 05 43 00-0383 SF Spray Applied Waterproofing Membrane For Bridge Decks	14.48	
34 05 43 00-0384 SF Sheet Applied Waterproofing Membrane For Bridge Decks	4.19	
34 05 43 00-0385 Sealer And Overlay For Bridge Deck (34 05 43 00-0377) Note: Excludes sweeping, cleaning and abrasive blasting.		
34 05 43 00-0386 SY Shot Blasting Bridge Decks	15.10	
34 05 43 00-0387 SY Thin Polymer (Epoxy) Overlay For Bridge Deck	96.49	
34 05 43 00-0388 SY 3/4" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	173.78	
34 05 43 00-0389 SY 1" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	198.66	
34 05 43 00-0390 SY 1-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	254.38	
34 05 43 00-0391 SY 2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	310.11	
34 05 43 00-0392 SY 2-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	365.83	
34 05 43 00-0393 SY 3" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	421.55	
34 05 43 00-0394 Broadcast Silica Sand (34 05 43 00-0377) Note: Includes removing loose sand.		
34 05 43 00-0395 SF Broadcast Silica Sand	0.32	
34 05 43 00-0396 Sweeping And Cleaning Of Bridge Deck (34 05 43 00-0377) See CSI section 01 22 23 00-1316 for water trucks, 01 22 23 00-1334 for vacuum sweeper trucks.		
34 05 43 00-0397 Concrete Overlay For Bridge Deck (34 05 43 00-0377) Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0398 SY 3" Concrete Overlay For Bridge Deck	188.21	
For DOT Class DP, Add	36.94	
For DOT Class E, Add	12.05	
For DOT Class HP, Add	35.27	
34 05 43 00-0399 Bridge Roadway Grooving (34 05 43 00-0377)		
34 05 43 00-0400 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	4,213.58	
34 05 43 00-0401 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	6.82	
34 05 43 00-0402 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	4,694.07	
34 05 43 00-0403 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	8.90	
34 05 43 00-0404 Gravity Fed Concrete Crack Repair (34 05 43 00-0377) Note: Includes removing loose materials and cleaning.		
34 05 43 00-0405 LF Epoxy Low Viscosity Gravity Fed Concrete Crack Repair	3.77	
34 05 43 00-0406 LF HMWM Low Viscosity Gravity Fed Concrete Crack Repair	4.41	
34 05 43 00-0407 Concrete Pumping With Boom Truck (34 05 43 00-0377) See CSI section 03 31 13 00-0010 for concrete delivery for small quantities, 03 37 16 00-0001 for concrete pump truck.		
34 05 43 00-0408 Bridge Girder Repair (34 05 43)		
34 05 43 00-0409 Bridge Girder Repair (34 05 43 00-0408) Note: Does not include mobilization of bridge jacking crew. See CSI section 05 05 23 00-0042 for bolts, nuts and washers, 05 12 23 00-0000 for additional steel shapes, angles and channels.		
34 05 43 00-0410 HR UT, MT, PT Testing	75.00	
34 05 43 00-0411 EA Mobilization of Bridge Girder Repair Crew	2,637.40	
34 05 43 00-0412 LF 3" x 3" x 1/4" Angle Iron For Bridge Repair	14.78	6.01
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	21.63	
For Aluminum, Add	1.22	
For Galvanized Steel, Add	4.19	
34 05 43 00-0413 LF 4" x 4" x 1/4" Angle Iron For Bridge Repair	18.91	7.33
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	29.22	
For Aluminum, Add	1.64	
For Galvanized Steel, Add	5.66	

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0414 LF 3" x 3" x 3/8" Angle Iron For Bridge Repair.....	18.95	6.77
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	31.78	
For Aluminum, Add	1.79	
For Galvanized Steel, Add	6.16	
34 05 43 00-0415 LF 4" x 4" x 3/8" Angle Iron For Bridge Repair.....	24.48	8.22
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	43.26	
For Aluminum, Add	2.43	
For Galvanized Steel, Add	8.38	
34 05 43 00-0416 LF 6" x 4" x 3/8" Angle Iron For Bridge Repair.....	31.32	10.74
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	54.43	
For Aluminum, Add	3.06	
For Galvanized Steel, Add	10.55	
34 05 43 00-0417 LF 6" x 6" x 3/8" Angle Iron For Bridge Repair.....	34.92	10.74
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	65.95	
For Aluminum, Add	3.71	
For Galvanized Steel, Add	12.78	
34 05 43 00-0418 LF 6" x 6" x 1/2" Angle Iron For Bridge Repair.....	46.32	14.41
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	86.72	
For Aluminum, Add	4.88	
For Galvanized Steel, Add	16.80	
34 05 43 00-0419 LF 7" x 4" x 5/8" Angle Iron For Bridge Repair.....	50.81	15.19
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	97.79	
For Aluminum, Add	5.50	
For Galvanized Steel, Add	18.95	
34 05 43 00-0420 LF 5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair.....	44.39	12.76
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	87.62	
For Aluminum, Add	4.93	
For Galvanized Steel, Add	16.98	
34 05 43 00-0421 LF 6" x 4" x 3/4" Angle Iron For Bridge Repair.....	52.91	15.21
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	104.45	
For Aluminum, Add	5.88	
For Galvanized Steel, Add	20.24	
34 05 43 00-0422 LF 7" x 4" x 3/4" Angle Iron For Bridge Repair.....	58.74	16.88
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	115.94	
For Aluminum, Add	6.52	
For Galvanized Steel, Add	22.46	
34 05 43 00-0423 LF 8" x 6" x 7/8" Angle Iron For Bridge Repair.....	85.42	23.52
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	173.02	
For Aluminum, Add	9.73	
For Galvanized Steel, Add	33.52	
34 05 43 00-0424 LF C4 x 5.4 - 4" Wide Channels For Bridge Repair.....	17.78	7.73
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	23.90	
For Aluminum, Add	1.34	
For Galvanized Steel, Add	4.63	
34 05 43 00-0425 LF C6 x 8.2 - 6" Wide Channels For Bridge Repair.....	25.77	10.83
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	36.29	
For Aluminum, Add	2.04	
For Galvanized Steel, Add	7.03	
34 05 43 00-0426 LF C8 x 11.5 - 8" Wide Channels For Bridge Repair.....	34.80	14.17
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	50.88	
For Aluminum, Add	2.86	
For Galvanized Steel, Add	9.86	
34 05 43 00-0427 LF C10 x 15.3 - 10" Wide Channels For Bridge Repair.....	46.29	18.85
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	67.68	
For Aluminum, Add	3.81	
For Galvanized Steel, Add	13.11	



Transportation		34
Common Work Results for Transportation		34 05
Common Work Results for Bridges		34 05 43

34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0428	LF		C12 x 20.7 - 12" Wide Channels For Bridge Repair	62.64	25.52
			Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
			For Fractured Critical, Add	20.00	
			For Stainless Steel, Add	91.58	
			For Aluminum, Add	5.15	
			For Galvanized Steel, Add	17.74	
34 05 43 00-0429	LF		C15 x 33.9 - 15" Wide Channels For Bridge Repair	102.58	41.78
			Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
			For Fractured Critical, Add	20.00	
			For Stainless Steel, Add	149.98	
			For Aluminum, Add	8.44	
			For Galvanized Steel, Add	29.06	
34 05 43 00-0430	SF		1/2" A36 Steel Plates For Bridge Repair	56.85	16.45
			For A50 Grade Steel, Add	1.98	
			Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
			For Fractured Critical, Add	20.00	
34 05 43 00-0431	SF		5/8" A36 Steel Plates For Bridge Repair	71.06	20.55
			For A50 Grade Steel, Add	2.47	
			Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
			For Fractured Critical, Add	20.00	
34 05 43 00-0432	SF		3/4" A36 Steel Plates For Bridge Repair	85.28	24.54
			For A50 Grade Steel, Add	2.97	
			Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
			For Fractured Critical, Add	20.00	
34 05 43 00-0433	SF		7/8" A36 Steel Plates For Bridge Repair	99.48	28.77
			For A50 Grade Steel, Add	3.46	
			Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
			For Fractured Critical, Add	20.00	
34 05 43 00-0434	SF		1" A36 Steel Plates For Bridge Repair	113.70	32.88
			For A50 Grade Steel, Add	3.95	
			Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
			For Fractured Critical, Add	20.00	
34 05 43 00-0435	SF		1-1/4" A36 Steel Plates For Bridge Repair	142.12	41.11
			For A50 Grade Steel, Add	4.94	
			Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
			For Fractured Critical, Add	20.00	
34 05 43 00-0436	SF		1-3/8" A36 Steel Plates For Bridge Repair	156.34	45.22
			For A50 Grade Steel, Add	5.44	
			Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
			For Fractured Critical, Add	20.00	
34 05 43 00-0437	SF		1-1/2" A36 Steel Plates For Bridge Repair	170.55	49.33
			For A50 Grade Steel, Add	5.93	
			Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
			For Fractured Critical, Add	20.00	
34 05 43 00-0438	CWT		Removal Of Existing Steel For Bridge Repair A36	70.18	
			Note: For use with angles, channels and steel plates up to 5' x 5'.		
			For Removal Over 30' To 50', Add	14.04	
			For Removal Over 50' To 75', Add	24.56	
			For Removal Over 75', Add	35.09	
34 05 43 00-0439	TON		Removal Of Existing Steel For Bridge Repair A36	935.80	
			Note: For use with I-beams, floor beams and plates over 5' x 5'.		
			For Removal Over 30' To 50', Add	187.16	
			For Removal Over 50' To 75', Add	327.53	
			For Removal Over 75', Add	467.90	
34 05 43 00-0440	CWT		Miscellaneous Steel For Bridge Repair A36	425.92	
			Note: For use with angles, channels and steel plates up to 5' x 5'.		
			For A50 Grade Steel, Add	71.15	
			Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	30.00	
			Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
34 05 43 00-0441	TON		Miscellaneous Steel For Bridge Repair A36	6,774.97	
			Note: For use with I-beams, floor beams and plates over 5' x 5'.		
			For A50 Grade Steel, Add	1,167.83	
			Cutting Fee For I-beams, Floor Beams And Plates Over 5' x 5', Add Per Each Piece	30.00	
34 05 43 00-0442	EA		Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter	38.99	
			Note: Per each hole drilled per steel member.		
34 05 43 00-0443	EA		Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter	50.66	
			Note: Per each hole drilled per steel member.		
34 05 43 00-0444	EA		Bolts A325 For Steel Repair Connections Up To 7/8"	30.71	2.29
34 05 43 00-0445	EA		Bridge Girder Rivet Removal	355.10	
34 05 43 00-0446	LF		Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting	7.65	
			Note: Includes rust or scale removal.		
34 05 43 00-0447	LF		>1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting	13.37	
			Note: Includes rust or scale removal.		
34 05 43 00-0448	LF		>1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting	19.10	
			Note: Includes rust or scale removal.		
34 05 43 00-0449	LF		>1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting	24.83	
			Note: Includes rust or scale removal.		
34 05 43 00-0450	LF		>2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting	30.55	
			Note: Includes rust or scale removal.		
34 05 43 00-0451	LF		>2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting	36.28	
			Note: Includes rust or scale removal.		

34 05 43 00-0452 Cleaning And Preparation Of Painted And Unpainted Metal Surfaces (34 05 43 00-0408)

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0453 SF Loose Mill Scale With Fine Powder, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.18	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.11	
For >15,000 To 30,000, Deduct	-0.17	
For >30,000, Deduct	-0.23	
34 05 43 00-0454 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.61	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.23	
For >30,000, Deduct	-0.31	
34 05 43 00-0455 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	2.37	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 15,000, Deduct	-0.22	
For >15,000 To 30,000, Deduct	-0.34	
For >30,000, Deduct	-0.45	
34 05 43 00-0456 SF Badly Pitted With Rust Nodules, Commercial Blast, Surface Preparation, Bridge Girder Repair	3.95	
For Up To 100, Add	2.42	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.48	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 15,000, Deduct	-0.37	
For >15,000 To 30,000, Deduct	-0.57	
For >30,000, Deduct	-0.75	
34 05 43 00-0457 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	3.02	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.36	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 15,000, Deduct	-0.28	
For >15,000 To 30,000, Deduct	-0.44	
For >30,000, Deduct	-0.57	
34 05 43 00-0458 SF Tight Mill Scale Little Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	3.74	
For Up To 100, Add	2.24	
For >100 To 250, Add	1.05	
For >250 To 500, Add	0.45	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 15,000, Deduct	-0.34	
For >15,000 To 30,000, Deduct	-0.54	
For >30,000, Deduct	-0.71	
34 05 43 00-0459 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	4.84	
For Up To 100, Add	2.91	
For >100 To 250, Add	1.36	
For >250 To 500, Add	0.58	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 15,000, Deduct	-0.45	
For >15,000 To 30,000, Deduct	-0.70	
For >30,000, Deduct	-0.92	
34 05 43 00-0460 SF Badly Pitted Rust Nodules, Near White Blast, Surface Preparation, Bridge Girder Repair	6.05	
For Up To 100, Add	3.64	
For >100 To 250, Add	1.70	
For >250 To 500, Add	0.73	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 15,000, Deduct	-0.56	
For >15,000 To 30,000, Deduct	-0.87	
For >30,000, Deduct	-1.15	
34 05 43 00-0461 Galvanized Anchor Bolts For Bridge Bearings (34 05 43 00-0408)		
34 05 43 00-0462 EA 1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	15.20	
34 05 43 00-0463 EA 1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings	25.17	
34 05 43 00-0464 EA 1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	31.58	
34 05 43 00-0465 EA 5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	37.76	
34 05 43 00-0466 EA 5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	47.62	
34 05 43 00-0467 EA 5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	53.89	
34 05 43 00-0468 EA 3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	53.60	
34 05 43 00-0469 EA 3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	61.74	
34 05 43 00-0470 EA 3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	76.71	
34 05 43 00-0471 EA 3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	94.29	
34 05 43 00-0472 EA 7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	71.68	
34 05 43 00-0473 EA 7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	84.90	
34 05 43 00-0474 EA 7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	109.91	
34 05 43 00-0475 EA 1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	90.14	
34 05 43 00-0476 EA 1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	107.76	
34 05 43 00-0477 EA 1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	133.86	
34 05 43 00-0478 EA 1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	164.32	
34 05 43 00-0479 EA 1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	109.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0480 EA 1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	131.23	
34 05 43 00-0481 EA 1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	163.20	
34 05 43 00-0482 EA 1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	200.21	
34 05 43 00-0483 EA 1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	134.07	
34 05 43 00-0484 EA 1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	160.51	
34 05 43 00-0485 EA 1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	199.75	
34 05 43 00-0486 EA 1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	244.88	
34 05 43 00-0487 EA 1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	164.54	
34 05 43 00-0488 EA 1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	197.05	
34 05 43 00-0489 EA 1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	245.45	
34 05 43 00-0490 EA 1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	300.78	
34 05 43 00-0491 Welding For Bridge Repair (34 05 43 00-0408)		
34 05 43 00-0492 EA Minimum Charge For Welding For Bridge Repair.....	2,278.99	
Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
34 05 43 00-0493 LF 3/16" Fillet Welding For Bridge Repair.....	16.82	
For Full Penetration Weld, Add	6.28	
34 05 43 00-0494 LF 1/4" Fillet Welding For Bridge Repair.....	25.27	
For Full Penetration Weld, Add	9.42	
34 05 43 00-0495 LF 5/16" Fillet Welding For Bridge Repair.....	33.72	
For Full Penetration Weld, Add	12.56	
34 05 43 00-0496 LF 3/8" Fillet Welding For Bridge Repair.....	42.10	
For Full Penetration Weld, Add	15.70	
34 05 43 00-0497 LF 7/16" Fillet Welding For Bridge Repair.....	49.35	
For Full Penetration Weld, Add	18.84	
34 05 43 00-0498 LF 1/2" Fillet Welding For Bridge Repair.....	58.50	
For Full Penetration Weld, Add	21.81	
34 05 43 00-0499 LF 9/16" Fillet Welding For Bridge Repair.....	67.80	
For Full Penetration Weld, Add	25.69	
34 05 43 00-0500 LF 5/8" Fillet Welding For Bridge Repair.....	74.87	
For Full Penetration Weld, Add	28.26	
34 05 43 00-0501 LF 3/4" Fillet Welding For Bridge Repair.....	103.80	
For Full Penetration Weld, Add	38.62	
34 05 43 00-0502 LF 7/8" Fillet Welding For Bridge Repair.....	136.07	
For Full Penetration Weld, Add	51.20	
34 05 43 00-0503 LF 1" Fillet Welding For Bridge Repair.....	190.17	
For Full Penetration Weld, Add	70.65	
34 05 43 00-0504 Bridge Trough Repair (34 05 43)		
34 05 43 00-0505 EA New Bridge Trough Hanger.....	317.62	28.63
34 05 43 00-0506 EA Reattach By Welding Existing Bridge Trough Hanger, Top And/or Bottom.....	75.37	
34 05 43 00-0507 EA Removal And Replacement Of All Thread For Existing Bridge Trough Hanger.....	136.21	
34 05 43 00-0508 EA Removal And Replacement Of Steel Angle Attachment For Existing Bridge Trough Hanger.....	74.33	
34 05 43 00-0509 Spot Paint Removal And Painting, Bridge Structural Steel (34 05 43)		
34 05 43 00-0510 HR Testing For Lead And Asbestos Paint Removal By Asbestos Contractor.....	130.72	
34 05 43 00-0511 EA Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	229.01	
34 05 43 00-0512 SF >4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	57.26	
34 05 43 00-0513 EA Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal.....	282.06	
Note: Includes high efficiency particulate air (HEPA) vacuuming.		
34 05 43 00-0514 SF >4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal.....	70.51	
Note: Includes high efficiency particulate air (HEPA) vacuuming.		
34 05 43 00-0515 CF Treat and Dispose of Removed Paint Waste.....	6.42	
34 05 43 00-0516 SF Flat Surfaces Spot Painting.....	60.37	
Note: Includes 1 coat epoxy rust inhibiting primer and 2 coats epoxy paint finish.		
34 05 43 00-0517 EA Minimum Charge For Plastic Barrier Enclosure for Paint Removal.....	1,419.85	
Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.		
34 05 43 00-0518 SF Plastic Barrier Enclosure For Paint Removal.....	4.44	
Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.		
34 05 43 00-0519 End Beam Cleaning And Painting For Bridges (34 05 43)		
34 05 43 00-0520 SF End Beam Cleaning and Painting.....	4.31	
Note: Includes high-pressure wash at minimum 3,003 to 5,000 PSI, spot cleaning damaged/rusted areas with hand and power tools (SSPC - SP2 and SP3), solvent cleaning (SSPC-SP1), one coat of aluminum epoxy mastic (minimum 6 mils) to spot cleaned areas, one coat sealer (1-2 mils), and one coat polyurethane finish.		
For Up To 100, Add	4.31	
For >100 To 500, Add	2.84	
For >500 To 3,000, Add	1.42	
For >5,000 To 7,500, Deduct	-0.70	
For >7,500 To 10,000, Deduct	-1.06	
For >10,000, Deduct	-1.51	
34 05 43 00-0521 Pedestrian Fences For Bridges (34 05 43)		

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
34 05 43 00-0522	Pedestrian Fence Assembly For Bridges (34 05 43 00-0521) Note: Includes 1", 11 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' on-center. Posts exclude installation onto bridge. Heights indicated are for mesh to top.				
34 05 43 00-0523	Galvanized Pedestrian Fence Assembly For Bridges (34 05 43 00-0522)				
34 05 43 00-0524	LF 4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	55.46		13.37	
	For Posts 8' On Centers, Add	3.04			
	For Posts 5' On Centers, Add	11.43			
	For Up To 100, Add	10.54			
	For >100 To 250, Add	3.88			
34 05 43 00-0525	LF >4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	60.52		14.05	
	For Posts 8' On Centers, Add	3.31			
	For Posts 5' On Centers, Add	12.41			
	For Up To 100, Add	11.41			
	For >100 To 250, Add	4.19			
34 05 43 00-0526	LF >5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	65.62		14.72	
	For Posts 8' On Centers, Add	3.57			
	For Posts 5' On Centers, Add	13.40			
	For Up To 100, Add	12.29			
	For >100 To 250, Add	4.50			
34 05 43 00-0527	LF >6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	68.97		15.38	
	For Posts 8' On Centers, Add	3.75			
	For Posts 5' On Centers, Add	14.07			
	For Up To 100, Add	12.90			
	For >100 To 250, Add	4.73			
34 05 43 00-0528	LF >7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	78.59		16.72	
	For Posts 8' On Centers, Add	4.26			
	For Posts 5' On Centers, Add	15.95			
	For Up To 100, Add	14.56			
	For >100 To 250, Add	5.32			
34 05 43 00-0529	Vinyl Coated Pedestrian Fence Assembly For Bridges (34 05 43 00-0522)				
34 05 43 00-0530	LF 4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	58.34		13.37	
	For Powder Coated, Add	7.23			
	For Aluminum Coated, Add	14.45			
	For Posts 8' On Centers, Add	3.18			
	For Posts 5' On Centers, Add	11.94			
	For Up To 100, Add	10.97			
	For >100 To 250, Add	4.03			
34 05 43 00-0531	LF >4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	64.14		14.05	
	For Powder Coated, Add	8.16			
	For Aluminum Coated, Add	16.33			
	For Posts 8' On Centers, Add	3.49			
	For Posts 5' On Centers, Add	13.06			
	For Up To 100, Add	11.95			
	For >100 To 250, Add	4.37			
34 05 43 00-0532	LF >5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	72.97		14.72	
	For Powder Coated, Add	9.71			
	For Aluminum Coated, Add	19.42			
	For Posts 8' On Centers, Add	3.94			
	For Posts 5' On Centers, Add	14.72			
	For Up To 100, Add	13.39			
	For >100 To 250, Add	4.87			
34 05 43 00-0533	LF >6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	77.52		15.38	
	For Powder Coated, Add	10.40			
	For Aluminum Coated, Add	20.79			
	For Posts 8' On Centers, Add	4.18			
	For Posts 5' On Centers, Add	15.61			
	For Up To 100, Add	14.18			
	For >100 To 250, Add	5.15			
34 05 43 00-0534	LF >7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	88.55		16.72	
	For Powder Coated, Add	12.16			
	For Aluminum Coated, Add	24.32			
	For Posts 8' On Centers, Add	4.76			
	For Posts 5' On Centers, Add	17.74			
	For Up To 100, Add	16.06			
	For >100 To 250, Add	5.82			
34 05 43 00-0535	Bridge Connection Mounting For Pedestrian Fence Assembly (34 05 43 00-0522)				
34 05 43 00-0536	EA Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts.....	62.88			
	Note: Includes drilling into steel post.				
34 05 43 00-0537	EA Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint.....	34.78			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0538 EA Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint	89.98	
34 05 43 00-0539 EA Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts.....	105.01	
Note: Includes drilling into steel post.		
34 05 43 00-0540 EA Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts	139.35	
Note: Includes drilling into steel post.		
34 05 43 00-0541 Bridge Drainage Pipe (34 05 43)		
Note: Concrete gray.		
34 05 43 00-0542 FRP Bridge Drain Pipe (34 05 43 00-0541)		
34 05 43 00-0543 LF 6" IPS FRP Bridge Drain Piping.....	168.71	19.36
34 05 43 00-0544 LF 8" IPS FRP Bridge Drain Piping.....	213.88	24.17
34 05 43 00-0545 LF 10" IPS FRP Bridge Drain Piping.....	275.17	28.97
34 05 43 00-0546 LF 12" IPS FRP Bridge Drain Piping.....	343.15	33.79
34 05 43 00-0547 FRP Bridge Drain Tee Saddles (34 05 43 00-0541)		
34 05 43 00-0548 EA 6" x 6" FRP Bridge Drain Tee Saddle	1,429.22	289.56
34 05 43 00-0549 EA 8" x 8" FRP Bridge Drain Tee Saddle	1,814.18	361.94
34 05 43 00-0550 EA 10" x 10" FRP Bridge Drain Tee Saddle	2,658.73	434.32
34 05 43 00-0551 EA 12" x 12" FRP Bridge Drain Tee Saddle	3,211.84	506.71
34 05 43 00-0552 EA 8" x 6" FRP Bridge Drain Tee Saddle	1,687.27	325.75
34 05 43 00-0553 EA 10" x 6" FRP Bridge Drain Tee Saddle	2,410.90	361.94
34 05 43 00-0554 EA 10" x 8" FRP Bridge Drain Tee Saddle	2,534.84	398.13
34 05 43 00-0555 EA 12" x 6" FRP Bridge Drain Tee Saddle	2,859.96	398.13
34 05 43 00-0556 EA 12" x 8" FRP Bridge Drain Tee Saddle	2,963.03	434.32
34 05 43 00-0557 EA 12" x 10" FRP Bridge Drain Tee Saddle	3,091.70	470.52
34 05 43 00-0558 FRP Bridge Drain 45 Degree Lateral Saddles (34 05 43 00-0541)		
34 05 43 00-0559 EA 6" x 6" FRP Bridge Drain 45 Degree Lateral Saddle.....	1,526.78	289.56
34 05 43 00-0560 EA 8" x 8" FRP Bridge Drain 45 Degree Lateral Saddle.....	1,927.36	361.94
34 05 43 00-0561 EA 10" x 10" FRP Bridge Drain 45 Degree Lateral Saddle.....	2,872.68	434.32
34 05 43 00-0562 EA 12" x 12" FRP Bridge Drain 45 Degree Lateral Saddle.....	3,632.60	506.71
34 05 43 00-0563 EA 8" x 6" FRP Bridge Drain 45 Degree Lateral Saddle.....	1,801.08	325.75
34 05 43 00-0564 EA 10" x 6" FRP Bridge Drain 45 Degree Lateral Saddle.....	2,631.08	361.94
34 05 43 00-0565 EA 10" x 8" FRP Bridge Drain 45 Degree Lateral Saddle.....	2,751.83	398.13
34 05 43 00-0566 EA 12" x 6" FRP Bridge Drain 45 Degree Lateral Saddle.....	3,279.33	398.13
34 05 43 00-0567 EA 12" x 8" FRP Bridge Drain 45 Degree Lateral Saddle.....	3,400.18	434.32
34 05 43 00-0568 FRP Bridge Drain Couplings (34 05 43 00-0541)		
34 05 43 00-0569 EA 6" FRP Bridge Drain Coupling	651.95	154.40
34 05 43 00-0570 EA 8" FRP Bridge Drain Coupling	842.23	193.00
34 05 43 00-0571 EA 10" FRP Bridge Drain Coupling	1,017.93	231.60
34 05 43 00-0572 EA 12" FRP Bridge Drain Coupling	1,440.72	270.31
34 05 43 00-0573 FRP Bridge Drain Flanges (34 05 43 00-0541)		
34 05 43 00-0574 EA 6" FRP Bridge Drain Flange	792.64	77.20
34 05 43 00-0575 EA 6", 8 Hole FRP Bridge Drain Flange	931.83	96.56
34 05 43 00-0576 EA 8" FRP Bridge Drain Flange	976.86	96.56
34 05 43 00-0577 EA 8", 8 Hole FRP Bridge Drain Flange	1,130.90	120.61
34 05 43 00-0578 EA 10" FRP Bridge Drain Flange	1,317.24	115.79
34 05 43 00-0579 EA 10", 12 Hole FRP Bridge Drain Flange	1,520.32	144.78
34 05 43 00-0580 FRP Bridge Drain Socket Cleanouts With Plug (34 05 43 00-0541)		
34 05 43 00-0581 EA 6" x 4" FRP Bridge Drain Socket Cleanout With 4" Plug.....	639.04	96.56
34 05 43 00-0582 EA 8" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug.....	855.69	120.61
34 05 43 00-0583 EA 10" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug.....	986.74	144.78
34 05 43 00-0584 EA 12" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug.....	1,268.54	168.95
34 05 43 00-0585 FRP Bridge Drain Concentric Reducers (34 05 43 00-0541)		
34 05 43 00-0586 EA 8" x 6" FRP Bridge Drain Concentric Reducer	1,100.37	120.61
34 05 43 00-0587 EA 10" x 6" FRP Bridge Drain Concentric Reducer.....	1,057.54	137.56
34 05 43 00-0588 EA 10" x 8" FRP Bridge Drain Concentric Reducer	1,042.09	144.78
34 05 43 00-0589 EA 12" x 6" FRP Bridge Drain Concentric Reducer	1,254.01	151.99
34 05 43 00-0590 EA 12" x 8" FRP Bridge Drain Concentric Reducer	1,260.24	160.47
34 05 43 00-0591 EA 12" x 10" FRP Bridge Drain Concentric Reducer	1,335.95	168.95
34 05 43 00-0592 EA 14" x 8" FRP Bridge Drain Concentric Reducer	2,087.36	177.31
34 05 43 00-0593 EA 14" x 10" FRP Bridge Drain Concentric Reducer	2,114.69	186.24
34 05 43 00-0594 EA 14" x 12" FRP Bridge Drain Concentric Reducer	2,143.42	195.51
34 05 43 00-0595 EA 16" x 12" FRP Bridge Drain Concentric Reducer	2,539.32	205.36
34 05 43 00-0596 EA 18" x 12" FRP Bridge Drain Concentric Reducer	2,883.97	215.56

34 Transportation**34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0597		FRP Bridge Drain 90 Degree Socket Elbows (34 05 43 00-0541)		
34 05 43 00-0598	EA	6" FRP Bridge Drain 90 Degree Socket Elbow	1,449.90	193.00
34 05 43 00-0599	EA	8" FRP Bridge Drain 90 Degree Socket Elbow	1,702.92	241.33
34 05 43 00-0600	EA	10" FRP Bridge Drain 90 Degree Socket Elbow	2,666.16	289.56
34 05 43 00-0601	EA	12" FRP Bridge Drain 90 Degree Socket Elbow	3,639.35	337.77
34 05 43 00-0602		FRP Bridge Drain 45 Degree Socket Elbows (34 05 43 00-0541)		
34 05 43 00-0603	EA	6" FRP Bridge Drain 45 Degree Socket Elbow	1,112.79	193.00
34 05 43 00-0604	EA	8" FRP Bridge Drain 45 Degree Socket Elbow	1,465.11	241.33
34 05 43 00-0605	EA	10" FRP Bridge Drain 45 Degree Socket Elbow	1,988.11	289.56
34 05 43 00-0606	EA	12" FRP Bridge Drain 45 Degree Socket Elbow	2,597.00	337.77
34 05 43 00-0607		FRP Bridge Drain 22-1/2 Degree Socket Elbows (34 05 43 00-0541)		
34 05 43 00-0608	EA	6" FRP Bridge Drain 22-1/2 Degree Socket Elbow	1,958.86	193.00
34 05 43 00-0609	EA	8" FRP Bridge Drain 22-1/2 Degree Socket Elbow	2,253.06	241.33
34 05 43 00-0610	EA	10" FRP Bridge Drain 22-1/2 Degree Socket Elbow	2,606.88	289.56
34 05 43 00-0611	EA	12" FRP Bridge Drain 22-1/2 Degree Socket Elbow	3,039.72	337.77
34 05 43 00-0612		FRP Bridge Drain Debris Covers (34 05 43 00-0541)		
34 05 43 00-0613	EA	8" x 6" FRP Bridge Drain Debris Cover	872.34	100.57
34 05 43 00-0614	EA	10" x 6" FRP Bridge Drain Debris Cover	897.28	105.60
34 05 43 00-0615	EA	10" x 8" FRP Bridge Drain Debris Cover	930.66	116.37
34 05 43 00-0616	EA	12" x 10" FRP Bridge Drain Debris Cover	976.58	128.28
34 05 43 00-0617	EA	12" x 6" FRP Bridge Drain Debris Cover	913.57	110.87
34 05 43 00-0618	EA	12" x 8" FRP Bridge Drain Debris Cover	957.76	122.21
34 05 43 00-0619	EA	14" x 10" FRP Bridge Drain Debris Cover	1,026.92	134.70
34 05 43 00-0620	EA	14" x 12" FRP Bridge Drain Debris Cover	1,047.68	141.45
34 05 43 00-0621	EA	16" x 12" FRP Bridge Drain Debris Cover	1,118.74	148.55
34 10 Guideways/Railways (34)				
34 11 Rail Tracks (34 10)				
34 11 93 Track Appurtenances and Accessories (34 11)				
34 11 93 00-0001		Railroad Crossings (34 11 93)		
34 11 93 00-0002		Asphalt Railroad Crossings (34 11 93 00-0001)		
Note: Based on 8" thickness x 20' including track and approach.				
34 11 93 00-0003	EA	8" Asphalt Railroad Crossing, 12' Roadway 6 CY	2,277.98	379.81
34 11 93 00-0004	EA	8" Asphalt Railroad Crossing, 15' Roadway 7.4 CY	2,672.04	430.45
34 11 93 00-0005	EA	8" Asphalt Railroad Crossing, 18' Roadway 8.9 CY	3,151.10	506.42
34 11 93 00-0006	EA	8" Asphalt Railroad Crossing, 21' Roadway 10.4 CY	3,745.92	607.70
34 11 93 00-0007	EA	8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY	4,543.28	759.62
34 11 93 00-0008		Railroad Crossings - Precast Concrete Inserts (34 11 93 00-0001)		
Note: Based on 6" thickness x standard rail width gauge.				
34 11 93 00-0009	EA	Precast Concrete, Railroad Crossing, 12' Road 6" Thick, Standard Gauge	5,879.13	169.56
34 11 93 00-0010	EA	Precast Concrete, Railroad Crossing, 15' Road 6" Thick, Standard Gauge	7,348.91	205.89
34 11 93 00-0011	EA	Precast Concrete, Railroad Crossing, 18' Road 6" Thick, Standard Gauge	8,812.70	254.33
34 11 93 00-0012	EA	Precast Concrete, Railroad Crossing, 21' Road 6" Thick, Standard Gauge	10,278.01	290.67
34 11 93 00-0013	EA	Precast Concrete, Railroad Crossing, 24' Road 6" Thick, Standard Gauge	11,742.35	339.11
34 11 93 00-0014		Molded Rubber Railroad Crossings With Headers (34 11 93 00-0001)		
Note: Based on 3' x 8'-6" sections.				
34 11 93 00-0015	EA	Molded Rubber Railroad Crossing, 12' Road 3' x 8'-6" Sections With Headers	3,371.66	169.56
34 11 93 00-0016	EA	Molded Rubber Railroad Crossing, 15' Road 3' x 8'-6" Sections With Headers	4,006.34	205.89
34 11 93 00-0017	EA	Molded Rubber Railroad Crossing, 18' Road 3' x 8'-6" Sections With Headers	4,635.02	254.33
34 11 93 00-0018	EA	Molded Rubber Railroad Crossing, 21' Road 3' x 8'-6" Sections With Headers	5,265.23	290.67
34 11 93 00-0019	EA	Molded Rubber Railroad Crossing, 24' Road 3' x 8'-6" Sections With Headers	5,894.47	339.11
34 11 93 00-0020		Railroad Trackage Demolition (34 11 93)		
34 11 93 00-0021	CY	Removal Of Railroad Track Ballast	10.03	
34 11 93 00-0022	LF	Removal Of Railroad Track Rail And Spikes	25.09	
34 11 93 00-0023	EA	Removal And Disposal Of Concrete Post Footings	146.73	
34 11 93 00-0024	EA	Backfill Holes From Post Removal	61.16	

34 40 Transportation Signaling and Control Equipment (34)**34 41 Roadway Signaling and Control Equipment (34 40)****34 41 13 Traffic Signals (34 41)**



Transportation		34
Transportation Signaling and Control Equipment		34 40
Roadway Signaling and Control Equipment		34 41

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MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
34 41 13 00-0001	Traffic Signals ^(34 41 13)				
34 41 13 00-0002	EA Single Traffic Signal Head, 4 Way Pattern.....	8,295.07		882.72	
34 41 13 00-0003	Traffic Detector Induction Loop ^(34 41 13)				
34 41 13 00-0004	EA 6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop.....	438.64			
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0005	EA 6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop.....	547.10			
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0006	EA 6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop.....	623.39			
	Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0007	EA 6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop.....	536.14			
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0008	EA 6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	930.42			
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0009	EA 6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,137.97			
	Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0010	EA 6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	1,216.81			
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0011	EA 6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,500.60			
	Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0012	EA 6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,616.54			
	Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0013	EA 6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,723.15			
	Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0014	EA 6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,864.78			
	Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.				
	Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0015	LF In Pavement, Lead Wire For Traffic Signal Detector.....	8.61			
	Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.				
34 41 13 00-0016	LF In Earthwork, Lead Wire For Traffic Signal Detector.....	3.92			
	Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.				
34 41 13 00-0017	EA 2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	291.21			
34 41 13 00-0018	EA 4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	822.55			
34 41 13 00-0019	EA 2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	510.79			
34 41 13 00-0020	Overhead Traffic Signals ^(34 41 13)				
34 41 13 00-0021	EA Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	6,695.61		1,176.96	
34 41 13 00-0022	EA Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	6,895.16		1,176.96	
34 41 13 00-0023	EA Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM).....	7,165.15		1,176.96	
34 41 13 00-0024	EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way.....	1,259.83		268.62	
34 41 13 00-0025	EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way.....	1,377.22		268.62	
34 41 13 00-0026	EA Optical Detector For Mast Arm Mounting, 2 Channel.....	1,762.24		268.62	
34 41 13 00-0027	EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way.....	1,259.83		268.62	
34 41 13 00-0028	EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way.....	1,377.22		268.62	
34 41 13 00-0029	EA Optical Detector For Pole-Side Mounting, 2 Channel.....	1,762.24		268.62	
34 41 13 00-0030	EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	1,259.83		268.62	
34 41 13 00-0031	EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	1,377.22		268.62	
34 41 13 00-0032	EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	1,762.24		268.62	
34 41 13 00-0033	EA Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	1,259.83		268.62	
34 41 13 00-0034	EA Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	1,377.22		268.62	
34 41 13 00-0035	EA Optical Detector For Span Wire Mounting, 2 Channel.....	1,762.24		268.62	
34 41 13 00-0036	EA Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	1,259.83		268.62	
34 41 13 00-0037	EA Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	1,377.22		268.62	
34 41 13 00-0038	EA Optical Detector For Signal Top Mounting, 2 Channel.....	1,762.24		268.62	
34 41 13 00-0039	EA Phase Selector, 2 Channel.....	3,999.55		33.58	
34 41 13 00-0040	EA Phase Selector, 4 Channel.....	6,218.12		33.58	
34 41 13 00-0041	EA Malfunction Management Unit For Use With NEMA Controller.....	2,012.47		67.15	
34 41 13 00-0042	EA Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	2,012.47		67.15	
34 41 13 00-0043	EA Time Switch, 1-Circuit.....	299.36		40.29	
34 41 13 00-0044	EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	404.52		16.78	
34 41 13 00-0045	EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	528.94		16.78	
34 41 13 00-0046	EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	751.98		16.78	
34 41 13 00-0047	EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	944.49		16.78	
34 41 13 00-0048	EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet.....	2,564.40		16.78	
34 41 13 00-0049	EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	2,564.40		16.78	
34 41 13 00-0050	EA Power Line Surge Protector.....	237.05		10.07	
34 41 13 00-0051	EA Loop Detector Surge Protector.....	120.75		10.07	
34 41 13 00-0052	EA Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	15,351.73		1,655.10	
34 41 13 00-0053	EA Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	16,689.91		1,655.10	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0054 EA Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	18,298.09	1,655.10
34 41 13 00-0055 EA Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays	18,791.11	1,655.10
34 41 13 00-0056 EA Speed Limit Beacon Control Option	6,751.97	441.36
34 41 13 00-0057 EA Speed Limit Beacon Control Cabinet	7,634.69	882.72
34 41 13 00-0058 EA Remote Detector Cabinet	3,995.76	882.72
34 41 13 00-0059 EA Traffic Signal Hand Control	1,115.94	147.12
34 41 13 00-0060 EA Load Switch	111.71	10.07
34 41 13 00-0061 EA Extra Pedestrian Detector Isolation Assembly	881.16	147.12
34 41 13 00-0062 EA Fiber Optic Transceivers-Repeater Module	1,319.40	268.62
34 41 13 00-0063 EA Field Transceiver-Repeater	644.77	67.15
34 41 13 00-0064 EA 30" Pedestal With Base Plate And Cover	977.21	134.98
34 41 13 00-0065 EA 42" Pedestal With Base Plate And Cover (Push Button Pedestal)	1,144.43	141.11
34 41 13 00-0066 EA 8' Pedestal With Base Plate And Cover	1,434.15	158.29
34 41 13 00-0067 EA 11' Pedestal With Base Plate And Cover	1,595.88	171.79
34 41 13 00-0068 EA 15' Pedestal With Base Plate And Cover	1,774.09	204.93
34 41 13 00-0069 LF 6-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.84	
34 41 13 00-0070 LF 12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.96	
34 41 13 00-0071 LF 24-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.34	
34 41 13 00-0072 LF 36-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.74	
34 41 13 00-0073 LF 48-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.14	
34 41 13 00-0074 LF 72-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.85	
34 41 13 00-0075 LF 96-Fiber Interconnect Cable, Fiber Optic, Single Mode	4.52	
34 41 13 00-0076 LF 144-Fiber Interconnect Cable, Fiber Optic, Single Mode	5.85	
34 41 13 00-0077 LF 3/16" Diameter Messenger Cable	0.73	0.11
34 41 13 00-0078 LF 1/4" Diameter Messenger Cable	0.89	0.11
34 41 13 00-0079 LF 3/8" Diameter Messenger Cable	1.65	0.11
34 41 13 00-0080 LF 1/2" Diameter Messenger Cable	3.44	0.23
34 41 13 00-0081 EA 4' Diameter x 10' Concrete Base For Poles	3,198.53	
Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0082 EA 4' Diameter x 16' Concrete Base For Poles	5,062.32	
Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0083 EA Internally Illuminated Street Name Sign, 1 Line, 4'	3,030.09	294.24
34 41 13 00-0084 EA Internally Illuminated Street Name Sign, 1 Line, 6'	3,740.66	367.80
34 41 13 00-0085 EA Internally Illuminated Street Name Sign, 1 Line, 8'	4,075.59	441.36
34 41 13 00-0086 EA Internally Illuminated Street Name Sign, 1 Line, 10'	4,598.34	514.92
34 41 13 00-0087 EA Internally Illuminated Street Name Sign, 1 Line, 12'	4,933.28	588.48
34 41 13 00-0088 EA Internally Illuminated Street Name Sign, 2 Line, 4'	4,804.95	294.24
34 41 13 00-0089 EA Internally Illuminated Street Name Sign, 2 Line, 6'	5,919.32	367.80
34 41 13 00-0090 EA Internally Illuminated Street Name Sign, 2 Line, 8'	6,385.73	441.36
34 41 13 00-0091 EA Internally Illuminated Street Name Sign, 2 Line, 10'	7,133.86	514.92
34 41 13 00-0092 EA Internally Illuminated Street Name Sign, 2 Line, 12'	7,656.61	588.48
34 41 13 00-0093 EA Photoelectric Controller, Multi-Volt	105.06	34.92
34 41 13 00-0094 EA Photoelectric Controller, 120 Volt	108.81	34.92
34 41 13 00-0095 EA Photoelectric Controller, 480 Volt	108.81	34.92
34 41 13 00-0096 EA Wi-Fi Communication Unit	1,583.13	147.12
34 41 13 00-0097 EA Wi-Fi Communication Unit Mounting Bracket	338.06	110.34
34 41 13 00-0098 EA Wi-Fi Communication Unit Power Supply / POE Injector	309.11	73.56
34 41 13 00-0099 EA Wi-Fi Communication Unit Packet	2,230.30	220.68
34 41 13 00-0100 LF Preemptor Detector Cable	1.84	
34 41 13 00-0101 EA Sno-Shoe Cable Storage Assembly	286.65	
34 41 13 00-0102 EA 16" Pedestal With Base Plate And Cover	1,871.91	204.93
34 41 13 00-0103 EA Vehicle Signal Face, LED, 1 - 12" Section	612.28	187.58
34 41 13 00-0104 EA Vehicle Signal Face, LED, 2 - 12" Sections	996.82	264.82
34 41 13 00-0105 EA Vehicle Signal Face, LED, 3 - 12" Sections	1,398.58	323.66
34 41 13 00-0106 EA Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank	1,328.15	323.66
34 41 13 00-0107 EA Vehicle Signal Face, LED, 4 - 12" Sections	1,777.35	360.44
34 41 13 00-0108 EA Vehicle Signal Face, LED, 5 - 12" Sections	2,126.70	382.51
34 41 13 00-0109 EA Vehicle Signal Face, LED, 5 - 12" Sections, Cluster	2,262.86	382.51
34 41 13 00-0110 EA Vehicle Signal Face, LED, 1 - 8" Section	577.06	187.58
34 41 13 00-0111 EA Vehicle Signal Face, LED, 2 - 8" Sections	926.39	264.82
34 41 13 00-0112 EA Vehicle Signal Face, LED, 3 - 8" Sections	1,227.20	323.66
34 41 13 00-0113 EA Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section	1,314.07	323.66
34 41 13 00-0114 EA Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections	1,627.10	360.44
34 41 13 00-0115 EA Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section	1,577.80	360.44
34 41 13 00-0116 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections	1,868.45	382.51
34 41 13 00-0117 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster	1,978.79	382.51
34 41 13 00-0118 EA Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed	2,854.16	323.66
34 41 13 00-0119 EA Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed	3,732.99	360.44
34 41 13 00-0120 EA Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed	4,873.51	382.51
34 41 13 00-0121 EA Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed	5,284.35	382.51
34 41 13 00-0122 EA Bracket Signal Mounting Assembly	590.05	147.12
34 41 13 00-0123 EA Mast Arm Signal Mounting Assembly	1,043.93	294.24
34 41 13 00-0124 EA Top Pole Signal Mounting Assembly	366.24	110.34
34 41 13 00-0125 EA Pedestrian Signal Head	1,075.24	220.68
34 41 13 00-0126 EA Pedestrian Signal Insert	664.40	110.34
34 41 13 00-0127 EA Audible Pedestrian Signal	1,503.77	
34 41 13 00-0128 EA Junction Box, Pole Or Post Mounted	623.28	
34 41 13 00-0129 EA Pedestrian Push Button	560.34	
34 41 13 00-0130 EA Illuminated Sign, Bracket Mounted, Symbolic	4,500.55	
34 41 13 00-0131 EA Illuminated Sign, Mast Arm Mounted, Symbolic	4,695.09	
34 41 13 00-0132 EA Sign, Message, "BLANK OUT", Bracket Mounted	4,958.33	



Transportation		34
Transportation Signaling and Control Equipment		34 40
Roadway Signaling and Control Equipment		34 41

34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0133 EA Sign, Message, "BLANK OUT", Mast Arm Mounted	5,270.24	
34 41 13 00-0134 EA Sign, Fiber Optic, Bracket Mounted	5,652.78	
34 41 13 00-0135 EA Sign, Fiber Optic, Mast Arm Mounted	5,971.21	
34 41 13 00-0136 EA 30' Type 15TS Signal And Lighting Standard	8,497.36	
Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0137 EA 35' Type 21TS Signal And Lighting Standard	9,893.91	
Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0138 EA 17' Type 18-2-100 Signal And Lighting Standard	4,748.72	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0139 EA 17' Type 18-3-100 Signal And Lighting Standard	5,287.92	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0140 EA 17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard	5,494.62	
Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0141 EA 17' Type 23-3-100 Signal And Lighting Standard	5,494.62	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0142 EA 17' Type 23-4-100 Signal And Lighting Standard	5,603.14	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0143 EA 17' Type 27-3-100 Signal And Lighting Standard	6,145.73	
Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0144 EA 17' Type 27-4-100 Signal And Lighting Standard	6,270.50	
Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0145 EA 17' Type 28-5-100 Signal And Lighting Standard	6,526.34	
Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0146 EA 17' Type 60-5-100 Signal And Lighting Standard	6,929.26	
Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0147 EA 18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard	5,065.92	
Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0148 EA 30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard	9,063.53	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0149 EA 30' Type 19-2-100 Signal And Lighting Standard	10,195.86	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0150 EA 30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard	10,629.92	
Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0151 EA 30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard	10,629.92	
Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0152 EA 30' Type 26-3-100 Signal And Lighting Standard	11,997.20	
Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0153 EA 30' Type 26-4-100 Signal And Lighting Standard	12,521.34	
Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0154 EA 30' Type 29-5-100 Signal And Lighting Standard	13,071.66	
Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0155 EA 30' Type 61-5-100 Signal And Lighting Standard	13,938.45	
Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0156 EA 35' Type 17A-2-100 Signal And Lighting Standard	10,538.06	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0157 EA 35' Type 19A-2-100 Signal And Lighting Standard	11,859.11	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0158 EA 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard	12,365.53	
Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0159 EA 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard	12,365.53	
Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0160 EA 35' Type 26A-3-100 Signal And Lighting Standard	13,960.68	
Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0161 EA 35' Type 26A-4-100 Signal And Lighting Standard	14,572.17	
Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0162 EA 35' Type 29A-5-100 Signal And Lighting Standard	15,214.22	
Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0163 EA 35' Type 61A-5-100 Signal And Lighting Standard	16,225.45	
Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.		
34 41 13 00-0164 EA 15' Steel Straight Mast Arm, MONOTUBE	3,418.13	
34 41 13 00-0165 EA 20' Steel Straight Mast Arm, MONOTUBE	3,588.05	
34 41 13 00-0166 EA 25' Steel Straight Mast Arm, MONOTUBE	3,845.86	
34 41 13 00-0167 EA 30' Steel Straight Mast Arm, MONOTUBE	5,222.34	
34 41 13 00-0168 EA 35' Steel Straight Mast Arm, MONOTUBE	6,301.51	
34 41 13 00-0169 EA 40' Steel Straight Mast Arm, MONOTUBE	6,769.24	
34 41 13 00-0170 EA 45' Steel Straight Mast Arm, MONOTUBE	7,437.78	
34 41 13 00-0171 EA 50' Steel Straight Mast Arm, MONOTUBE	8,443.82	
34 41 13 00-0172 EA 55' Steel Straight Mast Arm, MONOTUBE	9,603.69	
34 41 13 00-0173 EA 60' Steel Straight Mast Arm, MONOTUBE	10,350.82	
34 41 13 00-0174 EA 65' Steel Straight Mast Arm, MONOTUBE	12,014.38	
34 41 13 00-0175 EA 4' Steel Curved Luminaire Mast Arm	1,165.06	
For High Rise Arm, Add	100.83	
For High Rise Straight Arm, Add	80.67	
34 41 13 00-0176 EA 6' Steel Curved Luminaire Mast Arm	1,516.58	
For High Rise Arm, Add	134.80	
For High Rise Straight Arm, Add	107.84	
34 41 13 00-0177 EA 8' Steel Curved Luminaire Mast Arm	1,897.52	
For High Rise Arm, Add	168.77	
For High Rise Straight Arm, Add	135.02	
34 41 13 00-0178 EA 10' Steel Curved Luminaire Mast Arm	2,584.16	
For High Rise Arm, Add	198.43	
For High Rise Straight Arm, Add	158.74	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0179 EA 12' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i> <i>For High Rise Straight Arm, Add</i>	2,862.12 234.02 187.21	
34 41 13 00-0180 EA 15' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i> <i>For High Rise Straight Arm, Add</i>	3,001.14 260.97 208.78	
34 41 13 00-0181 EA 20' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i>	3,419.10 311.66	
34 41 13 00-0182 EA 15' Tubular Aluminum Post.....	1,227.41	
34 41 13 00-0183 EA 17' Tubular Aluminum Post.....	1,305.44	
34 41 13 00-0184 EA 20' Tubular Aluminum Post.....	1,449.65	
34 41 13 00-0185 EA CUT-OFF POLE AND CAPPED	210.24	
34 41 13 00-0186 EA PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	63.16	
34 41 13 00-0187 EA PAINT EXISTING TS POST COMPLETE.....	297.97	
34 41 13 00-0188 EA 1 Channel Loop Detector Amplifier	1,918.91	
34 41 13 00-0189 EA 4 Channel Loop Detector Amplifier	3,635.49	
34 41 13 00-0190 EA FLASHING BEACON WITH DOWNLIGHT.....	2,654.67	
34 41 13 00-0191 EA Flashing Beacon, Bracket Mounted.....	881.24	
34 41 13 00-0192 EA Flashing Beacon, Mast Arm Mounted.....	881.24	
34 41 13 00-0193 EA Flashing Beacon, Solar Powered, Bracket Mounted.....	23,929.51	
34 41 13 00-0194 EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	4,286.88	
34 41 13 00-0195 EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	2,305.24	
34 41 13 00-0196 EA Smart Sensor HD (Wavetronix HD125)	12,240.87	
34 41 13 00-0197 EA Access Point (Sensys AP240-ES)	5,664.06	
Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.		
34 41 13 00-0198 EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	9,794.74	
34 41 13 00-0199 EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	350.51	
34 41 13 00-0200 EA Repeater (Sensys RP240-B-LL)	2,595.24	
Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.		
34 41 13 00-0201 EA Wireless Flush Mounted Sensor (Sensys VSN240-F)	1,166.04	
Note: Excludes coring.		
34 41 13 00-0202 EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	2,917.10	
34 41 13 00-0203 EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	7,677.91	1.96
34 41 13 00-0204 EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 And 26-4-80 Poles.....	10,042.99	1.96
34 41 13 00-0205 EA Pole Base Foundation for Type 15 and 21 Poles.....	5,995.56	1.96
34 41 13 00-0206 EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	7,677.91	1.96
34 41 13 00-0207 EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles	10,042.99	1.96
34 41 13 00-0208 EA Service Equipment Enclosure, Type III-AF	1,516.30	
34 41 13 00-0209 EA 12", 3 Section Signal, Mast Arm Mounted	1,804.89	
34 41 13 00-0210 EA 8", 3 Section Signal, Mast Arm Mounted	1,610.16	
34 41 13 00-0211 EA 12" FCV Visor	108.50	
34 41 13 00-0212 EA 8" FCV Visor.....	77.20	
34 41 13 00-0213 EA Eggcrate Visor.....	104.63	
34 41 13 00-0214 EA Pedestrian H/M	1,187.44	
34 41 13 00-0215 EA Pedestrian Audio	1,302.78	
34 41 13 00-0216 EA Adjustable Pushbutton	324.23	
34 41 13 00-0217 EA ADA Cap And Switch.....	410.40	
34 41 13 00-0218 EA 3 Section 12" Backplate.....	176.05	
34 41 13 00-0219 EA 3 Section 12" MAS Mount Backplate	259.41	
34 41 13 00-0220 EA 3 Section 8" Backplate.....	142.01	
34 41 13 00-0221 EA 12" Red LED Lenses	298.78	
34 41 13 00-0222 EA 12" Amber LED Lenses	320.32	
34 41 13 00-0223 EA 12" Green LED Lenses	556.67	
34 41 13 00-0224 EA 12" Red Arrow.....	297.04	
34 41 13 00-0225 EA 12" Amber Arrow.....	281.27	
34 41 13 00-0226 EA 12" Green Arrow	419.51	
34 41 13 00-0227 EA 8" Red	293.85	
34 41 13 00-0228 EA 8" Amber	282.20	
34 41 13 00-0229 EA 8" Green	339.70	
34 41 13 00-0230 EA Hand/Man	512.50	
34 41 13 00-0231 EA Frameworks, 8" TV-1-T.....	624.85	
34 41 13 00-0232 EA Frameworks, 8" TV-2-T.....	708.55	
34 41 13 00-0233 EA Frameworks, MAT MT	186.90	
34 41 13 00-0234 EA Frameworks, MAS MT	203.64	
34 41 13 00-0235 EA Frameworks, 3W PT TC	431.62	
34 41 13 00-0236 EA Frameworks, 2W PT TC	408.50	
34 41 13 00-0237 EA Frameworks, 2W SM TC.....	386.18	
34 41 13 00-0238 EA Frameworks, SV-1	256.62	
34 41 13 00-0239 EA Frameworks, TV-1	248.25	
34 41 13 00-0240 EA Type III Service Pedestal.....	4,891.15	
34 41 13 00-0241 EA Single Fuse Holder	47.27	
34 41 13 00-0242 EA Double Fuse Holder	117.54	
34 41 13 00-0243 EA Pullbox, 1-1/2" x 20" x 14".....	108.63	
34 41 13 00-0244 EA Pullbox, 5" x 28" x 18".....	146.94	
34 41 13 00-0245 EA Pullbox, 6" x 36" x 23".....	191.22	
34 41 13 00-0246 EA Pullbox Lids, FL9D.....	116.77	
34 41 13 00-0247 EA Pullbox Lids, FL30D.....	217.44	
34 41 13 00-0248 EA Pullbox Lids, FL36D.....	62.74	



Transportation			34
Transportation Signaling and Control Equipment			34 40
Roadway Signaling and Control Equipment			34 41

34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0249	EA		LED Enhanced Pedestrian Crossing Symbol Sign Note: 2 required per system.	2,062.11	122.71
34 41 13 00-0250	EA		42" Height, 8-1/2" Diameter Automatic Bollard Activation System Note: 4 required per system.	5,954.85	736.27
34 41 13 00-0251	EA		Power Control Unit With Enclosure (Solar) Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	20,850.77	490.85
34 41 13 00-0252	EA		Power Control Unit With Enclosure (A/C)	13,380.49	490.85
34 41 13 00-0253	EA		Push Button Assembly With Sign	1,188.28	245.42
34 41 13 00-0254	EA		Advanced Warning Signs	2,335.17	245.42
34 41 13 00-0255	EA		14' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	4,209.52	
34 41 13 00-0256	EA		21' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	6,438.23	
34 41 13 00-0257	EA		22' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm and luminare arm.	6,689.86	
34 41 13 00-0258	EA		30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm..... Note: For mast arm and luminare arm.	9,057.94	
34 41 13 00-0259	EA		32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	9,601.56	
34 41 13 00-0260	EA		30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	7,487.81	
34 41 13 00-0261	EA		30' High Galvanized Steel Traffic Signal Pole, Octafute	6,668.47	
34 41 13 00-0262	EA		30' (High Spun Aluminum Traffic Signal Pole, Tapered.....	5,429.20	
34 41 13 00-0263	EA		Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	26,445.16	
34 41 13 00-0264	EA		Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	30,533.57	
34 41 13 00-0265 Traffic Signal Cable (34 41 13)					
34 41 13 00-0266	LF		16 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.47	1.03
34 41 13 00-0267	LF		16 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.82	1.10
34 41 13 00-0268	LF		16 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.14	1.17
34 41 13 00-0269	LF		16 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.44	1.24
34 41 13 00-0270	LF		16 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.81	1.31
34 41 13 00-0271	LF		16 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.49	1.46
34 41 13 00-0272	LF		16 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.30	1.68
34 41 13 00-0273	LF		16 AWG, 12-Conductor, Solid, Traffic Signal Cable	6.10	1.90
34 41 13 00-0274	LF		16 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.31	2.12
34 41 13 00-0275	LF		16 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.78	2.34
34 41 13 00-0276	LF		14 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.58	1.03
34 41 13 00-0277	LF		14 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.97	1.10
34 41 13 00-0278	LF		14 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.34	1.17
34 41 13 00-0279	LF		14 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.68	1.24
34 41 13 00-0280	LF		14 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.11	1.31
34 41 13 00-0281	LF		14 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.88	1.46
34 41 13 00-0282	LF		14 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.78	1.68
34 41 13 00-0283	LF		14 AWG, 12-Conductor, Solid, Traffic Signal Cable	6.68	1.90
34 41 13 00-0284	LF		14 AWG, 16-Conductor, Solid, Traffic Signal Cable	8.08	2.12
34 41 13 00-0285	LF		14 AWG, 20-Conductor, Solid, Traffic Signal Cable	9.80	2.34
34 41 13 00-0286	LF		12 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.84	1.03
34 41 13 00-0287	LF		12 AWG, 3-Conductor, Solid, Traffic Signal Cable	3.35	1.10
34 41 13 00-0288	LF		12 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.82	1.17
34 41 13 00-0289	LF		12 AWG, 5-Conductor, Solid, Traffic Signal Cable	4.25	1.24
34 41 13 00-0290	LF		12 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.83	1.31
34 41 13 00-0291	LF		12 AWG, 8-Conductor, Solid, Traffic Signal Cable	5.82	1.46
34 41 13 00-0292	LF		12 AWG, 10-Conductor, Solid, Traffic Signal Cable	6.94	1.68
34 41 13 00-0293	LF		12 AWG, 12-Conductor, Solid, Traffic Signal Cable	8.06	1.90
34 41 13 00-0294	LF		12 AWG, 16-Conductor, Solid, Traffic Signal Cable	9.93	2.12
34 41 13 00-0295	LF		12 AWG, 20-Conductor, Solid, Traffic Signal Cable	12.27	2.34
34 41 13 00-0296 School Zone Flasher Beacons (34 41 13)					
34 41 13 00-0297	EA		One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,246.20	222.07
34 41 13 00-0298	EA		One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,290.80	222.07
34 41 13 00-0299	EA		Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,048.01	222.07
34 41 13 00-0300	EA		Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,190.74	222.07
34 41 13 00-0301	EA		10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	13,218.52	222.07
34 41 13 00-0302	EA		10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	13,777.85	222.07

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0303	Traffic Light Control Synchronization (34 41 13)			
34 41 13 00-0304	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	5,435.54	
34 41 13 00-0305	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R).....	4,056.69	
34 41 13 00-0306	EA	ENCOM Dual 2.4/2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24/24).....	9,306.72	
34 41 13 00-0307	EA	5.8 GHz Broadband Radio with Integrated Antenna (COMMPAKBB58INT).....	6,354.04	
34 41 13 00-0308	EA	2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24INT).....	6,354.04	
34 41 13 00-0309	EA	Solar Cabinet Assembly.....	17,156.70	
34 41 13 00-0310	EA	Data Controller Interface Cable Assembly.....	679.52	
34 41 13 00-0311	EA	900 MHz Splitter.....	803.06	
34 41 13 00-0312	EA	900 MHz Surge Suppressor.....	289.32	
34 41 13 00-0313	EA	Surge-Radio Lead in Cable.....	182.04	
34 41 13 00-0314	EA	12DB GAIN YAGI Antenna.....	820.27	
34 41 13 00-0315	EA	PELCO Antenna Mounting Bracket.....	548.16	
34 41 13 00-0316	MLF	Coaxial Cable, LMR-400.....	4,410.77	
34 41 13 00-0317	EA	Perle 16 Port Serial Server.....	4,617.53	
34 41 13 00-0318	EA	Serial to Ethernet Card.....	2,449.83	
34 41 13 00-0319	EA	404 Stand-Alone Modem (GDI 404).....	2,227.74	
34 41 13 00-0320	Traffic Signal Controls (34 41 13)			
34 41 13 00-0321	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2).....	1,934.42	
34 41 13 00-0322	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	803.58	
34 41 13 00-0323	EA	Access Box for contract closure master card (CC-ACC).....	283.53	
34 41 13 00-0324	EA	Flush Mount Wireless Sensor (ATT VSN240-F).....	1,092.30	
34 41 13 00-0325	EA	Flush Mount Wireless Sensor (Speed And Count VSN240-F).....	1,092.30	
34 41 13 00-0326	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX).....	168.45	
34 41 13 00-0327	EA	SNAPS License for each enabled AP (SNAPS-PER-AP).....	462.78	
34 41 13 00-0328	Traffic Signal Devices (34 41 13)			
34 41 13 00-0329	EA	12" Polycarbonate Signal Head Housing (McCain).....	1,024.44	110.44
34 41 13 00-0330	EA	16" Polycarbonate Pedestrian Signal Housing (McCain).....	523.35	85.90
34 41 13 00-0331	EA	Pedestrian Push Button Cap And Switch (McCain M31334).....	399.41	159.53
34 41 13 00-0332	EA	Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712).....	546.66	233.16
34 41 13 00-0333	EA	Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793).....	420.36	184.07
34 41 13 00-0334	EA	16 Channel Conflict Monitor (McCain 2010 ECLIP).....	1,535.63	79.76
34 41 13 00-0335	EA	LED Countdown Head (McCain GTX PS7-CFF1-VLA).....	316.49	30.68
34 41 13 00-0336	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr).....	3,474.17	134.98
34 41 13 00-0337	EA	Camera processor card (Iteris Edge Connect).....	7,926.06	196.34
34 41 13 00-0338	EA	Wireless Broadband Radio (Encom BB58).....	7,484.66	184.07
34 41 13 00-0339	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900).....	4,945.11	147.26
34 41 13 00-0340	EA	Power Adapter (Mean Well DR-120-48).....	175.62	46.02
34 41 13 00-0341	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452).....	1.04	
34 41 13 00-0342	EA	Radar Detection System (Wavetronix Matrix).....	14,365.18	466.30
34 41 13 00-0343	EA	Pedestrian Audio Push Button (Polaris APS).....	433.61	116.58
34 41 13 00-0344	EA	Opticom Infrared System - Detector (GTT 711).....	1,114.89	109.46
34 41 13 00-0345	EA	Opticom Infrared System - Detector (GTT 721).....	1,247.37	122.47
34 41 13 00-0346	EA	Opticom Infrared System - Detector (GTT 722).....	1,737.33	170.57
34 41 13 00-0347	EA	Opticom Multimode Phase Selector (GTT 764).....	5,728.24	100.88
34 41 13 00-0348	LF	Opticom GPS Installation Cable (GTT 1070).....	1.24	
34 41 13 00-0349	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame and diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324).....	958.31	
34 41 13 00-0350	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame and diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730).....	1,016.41	
34 41 13 00-0351	EA	UPS Module (Alpha Technologies FXM 350).....	1,556.49	67.15
34 41 13 00-0352	EA	Note: For battery backup in traffic signal control cabinet Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual).....	492.03	55.22
34 41 13 00-0353	LF	Note: To control flashing "School" signs Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR).....	10.98	0.56
34 41 13 00-0354	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber).....	2.67	0.48
34 41 13 00-0355	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA).....	148.28	55.22
34 41 13 00-0356	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA).....	148.28	55.22
34 41 13 00-0357	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA).....	148.28	55.22
34 41 13 00-0358	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA).....	148.28	55.22
34 41 13 00-0359	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA).....	148.28	55.22
34 41 13 00-0360	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA).....	148.28	55.22
34 41 13 00-0361	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA).....	436.50	141.11
34 41 13 00-0362	EA	EOC Switch (Actellis ML688).....	5,704.56	436.50
34 41 13 00-0363	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro).....	1,535.71	100.73
34 41 13 00-0364	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T).....	122.43	25.51
34 41 13 00-0365	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J).....	439.22	36.93
34 41 13 00-0366	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T).....	152.39	25.51
34 41 13 00-0367	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J).....	531.94	36.93
34 41 13 00-0368	EA	Battery Back-up (Alpha FXM110 UPS).....	3,685.98	134.31
34 41 13 00-0369	EA	Battery (Alpha AlphaCell 220GXL).....	522.79	33.58
34 41 13 00-0370	EA	BBS Cabinet (Alpha SE48-1616).....	4,249.55	302.19
34 41 13 00-0371	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20).....	6.61	2.62
34 41 13 00-0372	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20).....	2.91	1.21
34 41 13 00-0373	EA	FDU And Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE).....	1,320.70	100.73



Transportation			34
Transportation Signaling and Control Equipment			34 40
Roadway Signaling and Control Equipment			34 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0374	EA		12" THREE SECTION HOUSING (McCain M22435)	908.91	67.15
34 41 13 00-0375	EA		12" FOUR SECTION HOUSING (McCain M30883)	1,169.71	100.73
34 41 13 00-0376	EA		12" FIVE SECTION HOUSING (McCain M31769)	1,363.36	100.73
34 41 13 00-0377	EA		12" CLUSTER, WITHOUT MAS (McCain M30987)	1,460.18	100.73
34 41 13 00-0378	EA		CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	908.91	67.15
34 41 13 00-0379	EA		NAVIGATOR IN2 APS 2 WIRE PPB #IN250N0-B (Polara iN250N0-B)	908.91	67.15
34 41 13 00-0380	EA		NAVIGATOR IN2 CONTROLLER RACK MOUNT ICCU-C (Polara iCCU-C)	5,311.33	235.04
34 41 13 00-0381	EA		NAVIGATOR IN2 INTERCONNECT BOARD IN2-ICB-C (Polara iN2-ICB-C)	260.80	33.58
34 41 13 00-0382	EA		NAVIGATOR IN2 POWER SUPPLY IN2-150-WPS-C (Polara iN2-150-WPS-C)	260.80	33.58
34 41 13 00-0383	EA		NAVIGATOR IN2 CONNECTOR IN2-C4CABLE-C (Polara iN2-c4cable-C)	584.85	50.36
34 41 13 00-0384	EA		12" Visor (McCain M19302)	46.22	13.43
34 41 13 00-0385	EA		LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256)	488.03	50.36
34 41 13 00-0386	EA		SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258)	812.09	67.15
34 41 13 00-0387	EA		CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259)	1,508.60	100.73
34 41 13 00-0388	EA		ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487)	812.09	67.15
34 41 13 00-0389	EA		HARN, SB1/SB2,COMM EXTENSION (McCain M48062)	163.97	33.58
34 41 13 00-0390	EA		ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489)	488.03	50.36
34 41 13 00-0391	EA		CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	908.91	67.15
34 41 13 00-0392	EA		242L ISOLATOR, EDI (McCain M56812)	163.97	33.58
34 41 13 00-0393	EA		EDI 222 DETECTOR (McCain M11407)	212.39	33.58
34 41 13 00-0394	EA		ALPHA BBS, INVERTER AND BYPASS SWITCH (McCain M59763)	3,627.82	167.89
34 41 13 00-0395	EA		GENERATOR SWITCH AND PLUG ASSY FOR ALPHA BBS (McCain M68752-2)	599.07	67.15
34 41 13 00-0396	EA		BBS BATTERY, ALPHACELL 165GXL (McCain M59884)	812.09	67.15
34 41 13 00-0397	EA		Battery Backup Cabinet Anodize 44x26x12 (McCain M64438A)	1,702.25	100.73

34 41 16 Traffic Control Equipment (34 41)

34 41 16 00-0001	Transportation Control Equipment (34 41 16)				
34 41 16 00-0002	EA		CONTROLLER/SL/POLE MTD/1-PHASE/100A	11,827.99	1,016.89
34 41 16 00-0003	EA		CONTROLLER/SL/ON EMB POLE 1-PH/100A	11,945.13	1,075.45
34 41 16 00-0004	EA		CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	14,621.19	1,088.10
34 41 16 00-0005	EA		CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	17,373.33	1,321.14
34 41 16 00-0006	EA		CONTROLLER/SL/BASE MTD/1-PHASE/100A	14,406.16	651.74
34 41 16 00-0007	EA		CONTROLLER/SL/BASE MTD/1-PHASE/200A	15,974.82	713.53
34 41 16 00-0008	EA		CONTROLLER, TS, 12-BAY, "M" CABINET	26,328.07	1,121.79
34 41 16 00-0009	EA		CONTROLLER, TS, 12-BAY, "P" CABINET	28,008.70	1,243.16
34 41 16 00-0010	EA		CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	40,180.16	1,397.64
34 41 16 00-0011	EA		CONTROLLER, TS, 16-BAY, "P" CABINET	31,765.23	1,324.08
34 41 16 00-0012	EA		CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	904.01	155.51
34 41 16 00-0013	EA		CONCRETE BLOCK PEDESTAL	846.24	233.48
34 41 16 00-0014	WK		MAINTAIN EXIST TS INSTALLATION	373.07	186.52
34 41 16 00-0015	EA		INST SIGN BOARDS, ST. NAME	657.53	307.92
34 41 16 00-0016	EA		F.O. ADD-IN FOR LOCAL CONTROLLER	13,420.54	420.04
34 41 16 00-0017	EA		F.O. ADD-IN FOR MASTER CONTROLLER	32,534.27	630.25
34 41 16 00-0018	EA		PDU Equipped netBooster With IEC320 C13 Outlets (Synaccess NP-0808DUH)	1,107.50	17.48
34 41 16 00-0019	EA		Remote Power Switched netBooster PDU, 8 Independent Outlets (Synaccess NP-0801DU)	629.39	17.48

34 41 16 00-0020 Transportation Cabinets (34 41 16)

34 41 16 00-0021	Transportation Cabinets (Dudlik Enclosures) (34 41 16 00-0020)				
34 41 16 00-0022	EA		50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures)	2,913.04	201.46
34 41 16 00-0023	EA		66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures)	12,426.19	201.46
34 41 16 00-0024	EA		46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures)	2,723.20	201.46
34 41 16 00-0025	EA		50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures)	2,913.04	201.46
34 41 16 00-0026	EA		60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures)	12,848.06	201.46
34 41 16 00-0027	EA		55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures)	1,879.46	201.46

34 41 16 00-0028 Transportation Cabinets (APX Enclosures) (34 41 16 00-0020)

34 41 16 00-0029	EA		28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017)	7,102.10	235.04
Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.					

34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) (34 41 16 00-0020)

34 41 16 00-0031	EA		30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	2,747.46	201.46
34 41 16 00-0032	EA		30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	3,425.59	214.89

34 41 16 00-0033 Transportation Cabinets (McCain) (34 41 16 00-0020)

34 41 16 00-0034	EA		24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i)	12,951.38	235.04
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.					
34 41 16 00-0035	EA		24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332)	12,951.38	235.04
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.					
34 41 16 00-0036	EA		ATC ColdFire Controller (McCain 170)	6,637.04	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0037 Traffic Control Equipment (34 41 16)		
34 41 16 00-0038 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15)	331.43	67.15
34 41 16 00-0039 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M)	438.23	67.15
34 41 16 00-0040 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M)	506.07	67.15
34 41 16 00-0041 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30)	390.73	67.15
34 41 16 00-0042 MLF 10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	3,072.36	736.27
34 41 16 00-0043 EA Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	132.28	33.58
34 41 16 00-0044 EA Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	603.92	74.02
34 41 16 00-0045 EA Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003)	3,179.42	222.07
34 41 16 00-0046 EA Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204)	577.31	33.58
34 41 16 00-0047 EA Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	826.96	33.58
34 41 16 00-0048 EA 4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104)	948.39	67.15
34 41 16 00-0049 EA Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix SmartSensor (Wavetronix WX-SS-B01-0005)	4,172.14	67.15
34 41 16 00-0050 EA 50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060)	444.12	222.07
34 41 16 00-0051 EA 60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060)	599.48	55.51
34 41 16 00-0052 EA 900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	517.09	74.02
34 41 16 00-0053 EA 900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120)	321.71	74.02
34 41 16 00-0054 EA Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201)	360.22	33.58
34 41 16 00-0055 EA 24 Volt DC 2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-202)	436.20	33.58
34 41 16 00-0056 EA Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250)	197.40	33.58
34 41 16 00-0057 EA Power, RS232/RS485 Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-200)	588.16	33.58
34 41 16 00-0058 EA Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222)	664.14	33.58
34 41 16 00-0059 EA RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304)	826.96	33.58
34 41 16 00-0060 EA Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	67.15	33.58
34 41 16 00-0061 EA Sensor Mount, Heavy-Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611)	527.94	74.02
34 41 16 00-0062 MLF LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400)	3,615.08	736.27
34 41 16 00-0063 EA N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC)	64.17	20.15
34 41 16 00-0064 EA Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E)	1,077.95	80.58
34 41 16 00-0065 EA Spectra III Clear Pendant Lower Dome, Heavy-Duty (Pelco Id53hdpb-1)	1,045.82	100.73
34 41 16 00-0066 EA 24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	223.14	33.58
34 41 16 00-0067 EA 10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	163.90	33.58
34 41 16 00-0068 EA 24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2)	561.35	33.58
34 41 16 00-0069 EA Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	232.03	33.58
34 41 16 00-0070 EA 120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600)	91.85	33.58
34 41 16 00-0071 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009)	785.57	67.15
Note: Input/Output for sign peripherals.		
34 41 16 00-0072 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009)	785.57	67.15
Note: Input/Output for sign peripherals.		
34 41 16 00-0073 EA Control Area Network Distribution Board (Daktronics 0P-1248-0005)	1,491.11	67.15
Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0074 EA Control Area Network Distribution Board (Daktronics 0P-1248-0011)	1,491.11	67.15
Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0075 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019)	503.36	67.15
Note: Measures temperature and detects light and reports to CAN Distribution Board.		
34 41 16 00-0076 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015)	720.45	67.15
Note: Measures temperature and detects light and humidity and reports to CAN Distribution board.		
34 41 16 00-0077 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021)	720.45	67.15
Note: Measures temperature and detects light and humidity and reports to CAN Distribution board.		
34 41 16 00-0078 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003)	590.19	67.15
Note: Measures temperature and detects light and reports to CAN Distribution board.		
34 41 16 00-0079 EA Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016)	10,306.16	268.62
Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.		
34 41 16 00-0080 EA DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025)	436.20	33.58
Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Distribution Board, providing power redundancy.		
34 41 16 00-0081 EA Driver (Daktronics 0P-1100-0026)	823.83	53.73
Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.		
34 41 16 00-0082 EA External Temp Sensor (Daktronics 0P-1100-0014)	726.14	53.73
Note: Sensor that measures ambient temperature.		
34 41 16 00-0083 EA Internal Temp Sensor (Daktronics 0P-1100-0038)	812.97	53.73
Note: Sensor that measures sign internal temperature.		
34 41 16 00-0084 EA Light Level Detector (Daktronics 0P-1151-0002)	487.34	53.73
Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.		
34 41 16 00-0085 EA Module (Daktronics 0A-1253-0608)	1,491.11	67.15
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0086 EA Module (Daktronics 0A-1253-3018)	1,871.01	67.15
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0087 EA Module (Daktronics 0A-1266-5002)	1,653.92	67.15
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0088 EA Module (Daktronics 0A-1332-6252)	2,305.19	67.15
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0089 EA Module (Daktronics 0A-1332-6455)	1,871.01	67.15
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0090 EA Module (Daktronics 0A-1332-6654)	1,871.01	67.15
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0091 EA Module (Daktronics 0P-1332-3015)	1,002.66	67.15
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0092 EA Module (Daktronics 0P-1332-4116)	1,002.66	67.15
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		



Transportation		34
Transportation Signaling and Control Equipment		34 40
Roadway Signaling and Control Equipment		34 41

34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0093	EA	Module (Daktronics 0P-1332-5031).....	1,002.66	67.15	
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.			
34 41 16 00-0094	EA	Module (Daktronics 0P-1332-5017).....	1,002.66	67.15	
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.			
34 41 16 00-0095	EA	Module Without Pan (Daktronics 0A-1253-0603)	1,491.11	67.15	
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.			
34 41 16 00-0096	EA	Module Without Pan (Daktronics 0A-1253-1605)	1,491.11	67.15	
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.			
34 41 16 00-0097	EA	Module Without Pan (Daktronics 0A-1254-1601)	1,491.11	67.15	
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.			
34 41 16 00-0098	EA	Pixel Strip (Daktronics 0P-1100-0016).....	514.21	67.15	
		Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.			
34 41 16 00-0099	EA	Pixel Strip (Daktronics 0P-1100-0029).....	601.05	67.15	
		Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.			
34 41 16 00-0100	EA	Power Supply (Daktronics A-1593).....	1,762.47	67.15	
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.			
34 41 16 00-0101	EA	Power Supply (Daktronics A-1648).....	1,762.47	67.15	
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.			
34 41 16 00-0102	EA	Power Supply (Daktronics A-2307).....	677.03	67.15	
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.			
34 41 16 00-0103	EA	Surge Suppressor (Daktronics A-1129).....	275.96	40.29	
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.			
34 41 16 00-0104	EA	Surge Suppressor (Daktronics A-1412).....	569.03	40.29	
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.			
34 41 16 00-0105	EA	Surge Suppressor (Daktronics A-1772).....	569.03	40.29	
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.			
34 41 16 00-0106	EA	Surge Suppressor (Daktronics A-2139).....	840.39	40.29	
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.			
34 41 16 00-0107	EA	VCB, Vanguard Control Board (Daktronics 0P-1248-0022).....	1,425.98	67.15	
		Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.			
34 41 16 00-0108	EA	VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001).....	1,925.28	67.15	
		Note: Input/Output board for sign peripherals.			
34 41 16 00-0109	EA	Power Supply Assembly (Daktronics A-1856R).....	1,274.02	67.15	
34 41 16 00-0110	EA	Power Supply Isolation Board (Daktronics 0P-1447-2000).....	839.84	67.15	
34 41 16 00-0111	EA	Ventilation/Circulation Fan (Daktronics B-1075).....	318.83	67.15	
34 41 16 00-0112	EA	VMS Controller (V2) (Daktronics 0A-1248-0028).....	10,306.16	268.62	
34 41 16 00-0113	EA	Photo/Temp Sensor (Daktronics 0P-1247-0015).....	720.45	67.15	
34 41 16 00-0114	EA	Defog Fan (Daktronics B-1053).....	121.42	33.58	
34 41 16 00-0115	EA	Defog Heater (Daktronics A-1792).....	153.99	33.58	
34 41 16 00-0116	EA	Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF).....	948.39	67.15	
34 41 16 00-0117	EA	Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF).....	948.39	67.15	
34 41 16 00-0118	EA	1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R).....	1,234.15	67.25	
34 41 16 00-0119	EA	1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E).....	1,234.15	67.25	
34 41 16 00-0120	EA	16-Port Video Encoder Featuring H.264 Technology (Verint S1816E).....	6,649.11	67.25	
34 41 16 00-0121	EA	Encoder H.264 Compact, Hiperfmc (Verint S1802E).....	1,592.67	67.25	
34 41 16 00-0122	EA	110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261).....	219.26	33.58	
34 41 16 00-0123	EA	1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E).....	762.96	67.25	
34 41 16 00-0124	EA	Single/Quad-Stream Decoder (Bosch VIP-XD).....	1,980.75	67.25	
34 41 16 00-0125	EA	1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4).....	306.02	67.15	
34 41 16 00-0126	EA	4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B).....	656.42	67.15	
34 41 16 00-0127	EA	12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750).....	302.21	16.81	
34 41 16 00-0128	EA	Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B).....	3,819.67	134.31	
34 41 16 00-0129	EA	Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1).....	239.27	33.58	
34 41 16 00-0130	EA	4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM)	3,462.90	67.15	
34 41 16 00-0131	EA	208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM).....	8,160.19	332.41	
34 41 16 00-0132	EA	30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB).....	1,096.51	174.60	
34 41 16 00-0133	EA	30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30).....	27.55	10.74	
34 41 16 00-0134	EA	60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy-Duty, Safety Switch (Square D H362DS).....	2,833.16	134.31	
34 41 16 00-0135	EA	60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60).....	60.50	10.74	
34 41 16 00-0136	EA	50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820).....	2,512.28	74.02	
34 41 16 00-0137	EA	Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810).....	141.36	51.03	
34 41 16 00-0138	EA	12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469).....	400.09	67.15	
34 41 16 00-0139	EA	Single AC Inlet, 8 NEMA 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT).....	706.51	17.48	
34 41 16 00-0140	EA	Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT H)	761.35	17.48	
34 41 16 00-0141	EA	550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027).....	405.36	26.86	
34 41 16 00-0142	EA	10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E).....	4,887.09	161.17	
34 41 16 00-0143	EA	12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC).....	182.03	30.89	
34 41 16 00-0144	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK).....	46.30	6.71	
34 41 16 00-0145	EA	170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC).....	1,537.91	67.15	
34 41 16 00-0146	EA	12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E)	5,308.80	134.31	
34 41 16 00-0147	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000).....	3,595.06	221.60	
34 41 16 00-0148	EA	100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS).....	861.46	384.12	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0149 EA 70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S).....	600.48	268.62
34 41 16 00-0150 EA 60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260).....	122.75	36.26
34 41 16 00-0151 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515).....	92.73	24.18
34 41 16 00-0152 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	73.11	24.18
34 41 16 00-0153 EA 20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	73.11	24.18
34 41 16 00-0154 EA One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4).....	306.02	67.15
34 41 16 00-0155 EA DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC).....	335.98	33.63
34 41 16 00-0156 EA H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC).....	3,116.28	33.63
34 41 16 00-0157 EA Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC).....	608.28	17.48
34 41 16 00-0158 EA Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version).....	12,509.57	222.07
34 41 16 00-0159 EA Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9).....	479.10	74.02

34 70 Transportation Construction and Equipment ⁽³⁴⁾**34 71 Roadway Construction** ^(34 70)**34 71 13 Vehicle Barriers** ^(34 71)**34 71 13 13 Vehicle Median Barriers** ^(34 71 13)**34 71 13 13-0001 Concrete Median Barrier** ^(34 71 13 13)

34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face.....	73.82	4.48
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	121.05	4.48
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	170.20	4.48
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms.....	54.31	7.43
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete.....	42.65	3.64

34 71 13 16 Vehicle Crash Barriers ^(34 71 13)**34 71 13 16-0001 Impact Barrier, Non-Redirective** ^(34 71 13 16)**34 71 13 16-0002 Sand Barrel Impact Attenuator** ^(34 71 13 16-0001)

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003 EA 200, 400 Or 700 Lb. Sand Barrel.....	485.18	53.69
Note: Includes containers, inserts, and lid.		
34 71 13 16-0004 EA 1,400 Lb. Sand Barrel.....	464.11	63.04
Note: Includes containers, inserts, and lid.		
34 71 13 16-0005 EA 2,100 Lb. Sand Barrel.....	504.75	72.37
Note: Includes containers, inserts, and lid.		

34 71 13 16-0006 Sand For Sand Barrel Impact Attenuator ^(34 71 13 16-0001)

34 71 13 16-0007 LB Sand for Sand Barrels.....	0.10	

34 71 13 26 Vehicle Guide Rails ^(34 71 13)**34 71 13 26-0001 Mobilize Guide Rail Crew** ^(34 71 13 26)

34 71 13 26-0002 EA Mobilize Guide Rail Crew.....	1,364.29	
Note: Excludes equipment mobilization.		

34 71 13 26-0003 Corrugated Beam Guide Rail ^(34 71 13 26)**34 71 13 26-0004 Corrugated Beam Guide Railing** ^(34 71 13 26-0003)**34 71 13 26-0005 Corrugated Beam Guide Railing, Straight Sections** ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.

34 71 13 26-0006 LF Corrugated Beam Guide Railing.....	35.05	2.44
34 71 13 26-0007 LF Corrugated Beam Guide Railing (Rustic).....	38.09	2.44

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.

34 71 13 26-0009 LF Shop Curved Corrugated Beam Guide Railing.....	46.97	2.44
34 71 13 26-0010 LF Shop Curved Corrugated Beam Guide Railing (Rustic).....	51.16	2.44
34 71 13 26-0011 LF Shop Curved Corrugated Beam Guide Railing End.....	126.32	2.44
Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012 LF Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	138.19	2.44
Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		

34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections ^(34 71 13 26-0003)

34 71 13 26-0014 EA Corrugated Beam Guide Railing End Section At Anchor Unit.....	243.36	32.16
34 71 13 26-0015 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	259.58	32.16
34 71 13 26-0016 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	340.68	32.16



Transportation			34
Transportation Construction and Equipment			34 70
Roadway Construction			34 71

34

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	356.90	32.16
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	340.68	32.16
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	356.90	32.16
34 71 13 26-0020 Corrugated Beam Guide Rail End Terminal Systems (34 71 13 26-0003)				
Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.				
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket, Type B And C.....	9,587.93	196.33
34 71 13 26-0022	EA	Fleet Flared End Terminal Head With Bracket	7,965.99	196.33
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket.....	9,587.93	196.33
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel.....	1,339.87	92.55
34 71 13 26-0025	EA	Terminal Support System, Type SFT	1,027.63	247.46
34 71 13 26-0026	EA	Terminal Support System, Type ET	5,065.78	700.38
34 71 13 26-0027	EA	Terminal Support System, Type SRT	5,500.52	700.38
34 71 13 26-0028 Corrugated Beam Guide Rail Posts (34 71 13 26-0003)				
Note: Includes mounting hardware.				
34 71 13 26-0029	EA	Standard Post For Corrugated Beam Guide Rail.....	281.72	16.66
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			4.44	
34 71 13 26-0030	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	297.94	16.66
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			4.44	
34 71 13 26-0031	EA	Extra Long Post For Corrugated Beam Guide Rail.....	314.16	16.66
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			4.44	
34 71 13 26-0032	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	330.38	16.66
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			4.44	
34 71 13 26-0033	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	281.72	16.66
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			4.44	
34 71 13 26-0034	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	411.48	16.66
For Installation In Rock, Add			4.44	
34 71 13 26-0035 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003)				
Note: Includes mounting hardware. Excludes triangular mounting brackets.				
34 71 13 26-0036	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	281.72	16.66
34 71 13 26-0037	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	297.94	16.66
34 71 13 26-0038	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	314.16	16.66
34 71 13 26-0039	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	330.38	16.66
Note: For heavy post blocked out corrugated beam guide (rustic)				
34 71 13 26-0040	EA	Type A Post 1630mm Post.....	273.61	16.66
Note: For heavy post blocked out corrugated beam guide rail				
34 71 13 26-0041	EA	Type A Post 1630mm Post (Rustic).....	289.83	16.66
Note: For heavy post blocked out corrugated beam guide rail				
34 71 13 26-0042	EA	Type B Post 1460mm	257.39	16.66
Note: For heavy post blocked out corrugated beam guide rail				
34 71 13 26-0043	EA	Type B Post 1460mm (Rustic).....	273.61	16.66
Note: For heavy post blocked out corrugated beam guide rail				
34 71 13 26-0044	EA	Type C Post 1290mm	241.17	16.66
Note: For heavy post blocked out corrugated beam guide rail				
34 71 13 26-0045	EA	Type C Post 1290mm (Rustic).....	257.39	16.66
Note: For heavy post blocked out corrugated beam guide rail				
34 71 13 26-0046	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	1,095.29	16.66
34 71 13 26-0047	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	103.31	16.66
Note: For heavy post blocked out corrugated beam guide rail.				
34 71 13 26-0048 Corrugated Beam Guide Rail Accessories (34 71 13 26-0003)				
34 71 13 26-0049	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	210.92	36.55
34 71 13 26-0050 Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0003)				
Note: Includes associated hardware.				
34 71 13 26-0051	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post.....	14.28	
34 71 13 26-0052	EA	Install Stored Post For Corrugated Beam Guide Rail	48.73	
34 71 13 26-0053	LF	Install Stored Corrugated Beam Guide Railing And Post.....	8.29	
34 71 13 26-0054 Corrugated Thrie Beam Guide Railing (34 71 13 26-0003)				
34 71 13 26-0055 Corrugated Thrie Beam Guide Railing. Straight Sections (34 71 13 26-0054)				
Note: Add additional length for back-up sections.				
34 71 13 26-0056	LF	Corrugated Thrie Beam Guide Railing.....	86.91	3.07
34 71 13 26-0057	LF	Corrugated Thrie Beam Guide Railing (Rustic).....	91.85	3.07
34 71 13 26-0058 Corrugated Thrie Beam Guide Railing. Shop Curved (34 71 13 26-0054)				
Note: Add additional length for back-up sections.				
34 71 13 26-0059	LF	Shop Curved Corrugated Thrie Beam Guide Railing.....	106.68	3.07

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0060 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	111.62	3.07
34 71 13 26-0061 Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0054) Note: Includes hardware for mounting.		
34 71 13 26-0062 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	360.93	3.07
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0063 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	377.15	3.07
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0064 Timber Guide Rails (34 71 13 26) Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0065 Timber Guide Rail Posts (34 71 13 26-0064)		
34 71 13 26-0066 EA 6" x 8" Timber Guide Rail Post	118.19	12.18
34 71 13 26-0067 EA 6" x 9" Timber Guide Rail Post	135.17	12.18
34 71 13 26-0068 EA 10" x 10" Timber Guide Rail Post	268.23	12.18
34 71 13 26-0069 EA 10" x 12" Timber Guide Rail Post	284.10	12.18
34 71 13 26-0070 EA 12" x 12" Timber Guide Rail Post	329.33	12.18
34 71 13 26-0071 Timber Guide Rails (34 71 13 26-0064) Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0072 LF 4" x 9" Timber Guide Rail.....	14.68	1.46
34 71 13 26-0073 LF 6" x 10" Timber Guide Rail.....	20.79	1.46
34 71 13 26-0074 LF 6" x 12" Timber Guide Rail.....	24.37	1.46
34 71 13 26-0075 Spacer Blocks For Timber Guide Rails (34 71 13 26-0064)		
34 71 13 26-0076 EA 4" x 9" Spacer Block For Timber Guide Rails	19.11	1.95
34 71 13 26-0077 EA 6" x 8" Spacer Block For Timber Guide Rails	22.04	1.95
34 71 13 26-0078 EA 8" x 8" Spacer Block For Timber Guide Rails	25.77	1.95
34 71 13 26-0079 Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0064)		
34 71 13 26-0080 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	26.92	1.22
34 71 13 26-0081 Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0064)		
34 71 13 26-0082 EA Weathering Steel Splice Plate For Timber Guide Rails.....	185.36	17.05
34 71 13 26-0083 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails	115.94	12.18
34 71 13 26-0084 Cable Guide Rail (34 71 13 26)		
34 71 13 26-0085 Cable Guide Rail (34 71 13 26-0084)		
34 71 13 26-0086 LF Cable (Each Cable)	17.35	2.64
Note: Includes tensioning. Excludes splices.		
34 71 13 26-0087 EA Cable Splice With Wedges	510.94	18.27
34 71 13 26-0088 Cable Guide Rail Posts (34 71 13 26-0084) Note: Includes hardware for cable mounting.		
34 71 13 26-0089 EA Standard Post for Cable Guide Rail.....	317.34	55.54
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.81	
34 71 13 26-0090 EA Standard Post (Rustic) for Cable Guide Rail.....	333.56	55.54
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.81	
34 71 13 26-0091 EA Extra Long Post for Cable Guide Rail	333.56	55.54
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.81	
34 71 13 26-0092 EA Extra Long Post (Rustic) for Cable Guide Rail	349.78	55.54
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.81	
34 71 13 26-0093 EA Slip Impact Post Top for Anchor Unit	224.26	22.21
34 71 13 26-0094 EA Slip Impact Post Base and Keeper Plate	629.75	22.21
Note: For anchor unit.		
34 71 13 26-0095 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0084)		
34 71 13 26-0096 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors	876.94	244.11
34 71 13 26-0097 EA Turnbuckle Cable End Assembly	340.67	12.20
34 71 13 26-0098 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,143.45	6.07
34 71 13 26-0099 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,175.89	6.07
34 71 13 26-0100 EA Breakaway Anchor Angle.....	437.98	12.20
34 71 13 26-0101 EA Standard End Post Cap Assembly.....	202.72	6.07
34 71 13 26-0102 EA Driveway End Post Cap Assembly	170.28	6.07



Transportation		34
Transportation Construction and Equipment		34 70
Roadway Construction		34 71

34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0103 EA End Post Ground Support Plates.....	89.19	6.07
34 71 13 26-0104 EA 11" Stud Bolt, Cable Guide Rail.....	77.02	6.07
34 71 13 26-0105 EA 18" Stud Bolt, Cable Guide Rail.....	93.24	6.07
34 71 13 26-0106 EA 25" Stud Bolt, Cable Guide Rail.....	109.46	6.07
34 71 13 26-0107 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail.....	989.44	12.20
34 71 13 26-0108 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail.....	1,054.32	12.20
34 71 13 26-0109 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	697.49	12.20
34 71 13 26-0110 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail.....	429.79	6.07
34 71 13 26-0111 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	437.98	12.20
34 71 13 26-0112 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	462.28	18.27
34 71 13 26-0113 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0084)		
34 71 13 26-0114 EA Turnbuckle Cable End Assembly.....	787.05	18.55
Note: For use with slip impact post.		
34 71 13 26-0115 EA Spring Cable End Assembly (Compensating Device).....	1,565.58	18.55
Note: For use with slip impact post.		
34 71 13 26-0116 EA Anchor Angle For Slip Impact Post System.....	446.44	18.55
34 71 13 26-0117 EA Cable End Assembly Rod.....	365.35	18.55
Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0118 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0084)		
Note: Includes associated hardware.		
34 71 13 26-0119 LF Retention Existing Cable (Each Cable).....	1.63	
34 71 13 26-0120 LF Removal And Storage Of Cable Guide Railing.....	9.81	
34 71 13 26-0121 EA Install Stored Post For Cable Guide Railing.....	74.05	
34 71 13 26-0122 LF Install Stored Cable, (Each Cable).....	4.34	
Note: Includes retensioning. Excludes splices.		
34 71 13 26-0123 6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0124 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0123)		
34 71 13 26-0125 Straight Sections, Box Beam Guide Rail (34 71 13 26-0124)		
34 71 13 26-0126 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	105.45	3.07
Note: Excludes splices.		
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0127 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	120.28	3.07
Note: Excludes splices.		
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0128 LF Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	125.75	3.07
Note: Excludes splices		
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0129 Shop Curved, Box Beam Guide Rail (34 71 13 26-0124)		
34 71 13 26-0130 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	162.30	3.07
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0131 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	177.13	3.07
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0132 LF Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	193.87	3.07
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0133 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0123)		
Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0134 EA Box Beam End Piece Guide Railing Section.....	1,670.67	36.55
Note: Galvanized excludes splices.		
34 71 13 26-0135 EA Box Beam End Piece Guide Railing Section (Rustic).....	1,849.08	36.55
Note: Excludes splices.		
34 71 13 26-0136 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized.....	1,573.35	36.55
Note: Excludes splices.		
34 71 13 26-0137 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	1,638.23	36.55
Note: Excludes splices.		
34 71 13 26-0138 EA Box Beam Guiderail End Assembly.....	47,265.46	974.49
Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.		
34 71 13 26-0139 Splices For Box Beam Guide Rail (34 71 13 26-0123)		
34 71 13 26-0140 EA Splice For Box Beam Guide Rail.....	351.78	54.25
34 71 13 26-0141 EA Splice For Box Beam Guide Rail (Rustic).....	465.32	54.25

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0142		Box Beam Guide Rail Posts (34 71 13 26-0123) Note: Includes hardware for box beam mounting.		
34 71 13 26-0143	EA	Standard Post For Box Beam Guide Rail.....	333.56	55.54
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	14.81	
34 71 13 26-0144	EA	Standard Post (Rustic) for Box Beam Guide Railing.....	349.78	55.54
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	14.81	
34 71 13 26-0145	EA	Extra Long Post For Box Beam Guide Rail.....	366.00	55.54
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	14.81	
34 71 13 26-0146	EA	Extra Long Post (Rustic) For Box Beam Guide Rail.....	382.22	55.54
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	14.81	
34 71 13 26-0147	EA	Type I End Assembly Post.....	317.34	55.54
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	14.81	
34 71 13 26-0148	EA	Type I End Assembly Post (Rustic).....	333.56	55.54
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	14.81	
34 71 13 26-0149	EA	Type II End Assembly Post.....	301.12	55.54
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	14.81	
34 71 13 26-0150	EA	Type II End Assembly Post (Rustic).....	317.34	55.54
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	14.81	
34 71 13 26-0151		Box Beam Guide Rail Accessories (34 71 13 26-0123)		
34 71 13 26-0152	EA	Box Beam Guide Rail End Cover Plate.....	209.25	10.96
34 71 13 26-0153	EA	Box Beam Guide Rail End Cover Plate (Rustic).....	225.47	10.96
34 71 13 26-0154		Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0123) Note: For existing guide rail.		
34 71 13 26-0155	LF	Removal And Storage Of Box Beam Guide Rail And Post.....	4.81	
34 71 13 26-0156	LF	Reset Box Beam Guide Rail.....	14.05	
34 71 13 26-0157		6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0158		Box Beam Median Barrier, 6" x 8" (34 71 13 26-0157)		
34 71 13 26-0159		Straight Sections, Box Beam Median Barrier (34 71 13 26-0158)		
34 71 13 26-0160	LF	Box Beam Median Barrier Galvanized Excludes Splices.....	170.35	10.96
		For Flush Mounting Directly To Structure, Add.....	1.83	
34 71 13 26-0161	LF	Box Beam Median Barrier (Rustic) Excludes Splices.....	185.18	10.96
		For Flush Mounting Directly To Structure, Add.....	1.83	
34 71 13 26-0162		Shop Curved, Box Beam Median Barrier (34 71 13 26-0158)		
34 71 13 26-0163	LF	Shop Curved Box Beam Median Barrier Galvanized.....	209.32	10.96
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add.....	2.44	
		For Flush Mounting Directly To Structure, Add.....	1.83	
34 71 13 26-0164	LF	Shop Curved Box Beam Median Barrier Rustic.....	258.00	10.96
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add.....	2.44	
		For Flush Mounting Directly To Structure, Add.....	1.83	
34 71 13 26-0165		Box Beam Median Barrier End Treatment Sections (34 71 13 26-0157) Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0166	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized.....	5,547.11	36.55
		Note: Excludes splices and post.		
34 71 13 26-0167	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic).....	5,676.86	36.55
		Note: Excludes splices and post.		
34 71 13 26-0168	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized.....	5,547.11	36.55
		Note: Excludes splices and post.		
34 71 13 26-0169	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic).....	5,676.86	36.55
		Note: Excludes splices and post.		
34 71 13 26-0170		Splices For Box Beam Median Barrier (34 71 13 26-0157)		
34 71 13 26-0171	EA	Splice for Box Beam Median Barrier.....	395.81	29.24
34 71 13 26-0172	EA	Splice for Box Beam Median Barrier (Rustic).....	639.10	29.24
34 71 13 26-0173		Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0157) Note: Includes all associated hardware.		
34 71 13 26-0174	EA	Standard Post for Box Beam Median Barrier.....	333.56	55.54
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	14.81	



Transportation		34	34
Transportation Construction and Equipment		34 70	
Roadway Construction		34 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0175 EA Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	349.78 -5.00 14.81	55.54
34 71 13 26-0176 EA Extra Long Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	366.00 -5.00 14.81	55.54
34 71 13 26-0177 EA Extra Long Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	382.22 -5.00 14.81	55.54
34 71 13 26-0178 EA Type B End Treatment or Rub Back Anchor Post for Box Beam..... Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	301.12 -5.00 14.81	55.54
34 71 13 26-0179 EA Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	301.12 -5.00 14.81	55.54
34 71 13 26-0180 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	366.00 -5.00 14.81	55.54
34 71 13 26-0181 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	382.22 -5.00 14.81	55.54
34 71 13 26-0182 Box Beam Median Barrier Accessories (34 71 13 26-0157)		
34 71 13 26-0183 EA Box Beam Median Barrier End Cover Plate.....	241.72	25.73
34 71 13 26-0184 EA Box Beam Median Barrier End Cover Plate (Rustic)	257.94	25.73
34 71 13 26-0185 Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0157)		
Note: For existing guide rail.		
34 71 13 26-0186 LF Removal And Storage Of Box Beam Median Barrier and Posts	4.98	
34 71 13 26-0187 LF Reset Box Beam Median Barrier	14.71	
34 71 13 26-0188 Universal Guide Rail Items (34 71 13 26)		
34 71 13 26-0189 Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0188)		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0190 CY Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	844.43 38.00	
34 71 13 26-0191 EA Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	558.81	
34 71 13 26-0192 EA Removal Of Guide Rail Concrete Anchor Unit.....	614.58	
34 71 13 26-0193 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0188)		
Note: Includes associated hardware.		
34 71 13 26-0194 EA Straighten And Reset Driven Post For Guide Rail	74.05	
34 71 13 26-0195 EA Straighten And Reset Post Mounted On Concrete For Guide Rail	97.41	
Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0196 Additional Wood and Steel Posts (34 71 13 26-0188)		
34 71 13 26-0197 LF 4" x 6" Wood Post..... <i>For Installation In Rock, Add</i>	101.77 4.95	18.56
34 71 13 26-0198 LF 6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	126.10 4.95	18.56
34 71 13 26-0199 LF 6" x 7/8" Galvanized Steel Post..... <i>For Installation In Rock, Add</i>	70.69 4.95	18.56
34 71 13 26-0200 EA Base Plate With Anchor Bolts For Mounting Post On Concrete	762.07	18.55
34 71 13 26-0201 Accessories For All Types of Guide Rail (34 71 13 26-0188)		
34 71 13 26-0202 EA Reflector For Guard Rail	101.42	
34 71 13 26-0203 Resilient Guard Fence And Light Shield (34 71 13 26)		
34 71 13 26-0204 LF Resilient Guard Fence And Light Shield, Up To 6' High	82.34	7.48
34 71 13 26-0205 Individual Concrete Guard Rail Posts (34 71 13 26)		
34 71 13 26-0206 EA 6'-5" Concrete Guard Rail Posts, Round	96.66	7.48
34 71 13 26-0207 EA 6'-5" Concrete Posts, Square.....	108.10	8.40
34 71 13 26-0208 EA 6'-5" Concrete Posts, Triangular	105.21	8.40

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0209	Guide Rail Transitions (34 71 13 26)		
34 71 13 26-0210	Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0209)		
34 71 13 26-0211	EA Box Beam To Corrugated Beam Rail Bolted Section.....	1,298.64	
34 71 13 26-0212	EA Box Beam To Corrugated Beam Rail Bolted Plate	649.87	
	Note: For making cable connections.		
34 71 13 26-0213	Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0209)		
34 71 13 26-0214	EA Box Beam Median Barrier To Corrugated Beam Bolted Section	1,331.08	
34 71 13 26-0215	EA Box Beam Median Barrier To Corrugated Beam Harness Plate	649.87	
	Note: For making cable connections.		
34 71 13 26-0216	Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0209)		
34 71 13 26-0217	EA Box Beam to Cable Guide Rail U-bolt And Plate	194.73	19.49
34 71 13 26-0218	Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0209)		
34 71 13 26-0219	EA Box Beam Median Barrier To Concrete Barrier End Connection	1,947.42	
34 71 13 26-0220	Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0209)		
34 71 13 26-0221	EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	1,136.45	
34 71 13 26-0222	EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	1,541.94	
34 71 16	Impact Attenuating Devices (34 71)		
34 71 16 00-0001	Guard Rail Energy Absorbing Terminals (34 71 16)		
	Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. One Bay consists of one Cartridge, one Diaphragm, and two Fender Panels. The Nose section is not considered a Bay, though there is a Cartridge in the Nose of each system. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002	24" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
	Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0003	EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	38,955.06	3,691.15
34 71 16 00-0004	EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	54,192.90	4,921.53
34 71 16 00-0005	EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	74,075.85	6,459.51
34 71 16 00-0006	EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	81,970.62	7,997.49
34 71 16 00-0007	30" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
	Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0008	EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	41,867.50	4,152.54
34 71 16 00-0009	EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	58,432.59	5,536.72
34 71 16 00-0010	EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	80,292.69	7,382.29
34 71 16 00-0011	EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	91,745.98	8,920.28
34 71 16 00-0012	36" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
	Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0013	EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	44,815.84	4,613.93
34 71 16 00-0014	EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	62,707.39	6,151.92
34 71 16 00-0015	EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	85,860.15	8,151.28
34 71 16 00-0016	EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	101,484.44	9,843.06
34 71 16 00-0017	69" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
	Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0018	EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	48,494.07	5,075.33
34 71 16 00-0019	EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	67,266.76	6,767.10
34 71 16 00-0020	EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	92,564.19	8,920.28
34 71 16 00-0021	EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	108,873.67	10,765.85
34 71 16 00-0022	90" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
	Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0023	EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	52,278.29	5,536.72
34 71 16 00-0024	EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	71,950.59	7,382.29
34 71 16 00-0025	EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	100,132.63	9,843.06
34 71 16 00-0026	EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	116,480.98	11,688.63
34 71 19	Vehicle Delineators (34 71)		
34 71 19 16	Flexible Vehicle Delineators (34 71 19)		
34 71 19 16-0001	EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	98.16	9.33
34 71 19 16-0002	EA 3' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	99.55	9.33
34 71 19 16-0003	EA 3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	100.95	9.33
34 71 19 16-0004	EA 4' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	102.34	9.33



Transportation		34
Transportation Construction and Equipment		34 70
Roadway Construction		34 71

34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 80 Bridges ⁽³⁴⁾**34 82 Bridge Specialties** ^(34 80)**34 82 23 Bridge Railing** ^(34 82)**34 82 23 00-0001****Metal Bridge Railing** ^(34 82 23)

Note: Includes hardware for bridge rail mounting.

34 82 23 00-0002	LF	2" x 2" x 1/8" Bridge Railing	45.79	3.98
34 82 23 00-0003	LF	3" x 3" x 5/16" Bridge Railing	83.16	6.19
34 82 23 00-0004	LF	5" x 3" x 1/4" Bridge Railing	104.33	9.08
34 82 23 00-0005	LF	6" x 6" x 3/16" Bridge Railing	136.04	11.43
34 82 23 00-0006	LF	5" Outside Diameter x 1/4" Bridge Railing	111.81	8.82

34 82 23 00-0007**Bridge Post** ^(34 82 23)

Note: Includes hardware for bridge post mounting.

34 82 23 00-0008	EA	6" x 9" x 5'-6" Bridge Post	208.50	51.85
34 82 23 00-0009	EA	6" x 9" x 7" Bridge Post	271.65	55.09
34 82 23 00-0010	EA	Two Rail With Base Plate Bridge Post Assembly	664.58	97.20
34 82 23 00-0011	EA	Two Rail With Curb Bridge Post Assembly	836.59	103.68
34 82 23 00-0012	EA	Two Rail (Curbless) Bridge Post Assembly	751.50	103.68
34 82 23 00-0013	EA	Two Rail With Optional Handrail Bridge Post Assembly	932.62	103.68
34 82 23 00-0014	EA	Three Rail With Base Plate Bridge Post Assembly	685.08	103.68
34 82 23 00-0015	EA	Three Rail With Curb Bridge Post Assembly	978.22	106.93
34 82 23 00-0016	EA	Three Rail (Curbless) Bridge Post Assembly	955.79	106.93
34 82 23 00-0017	EA	Three Rail With Optional Handrail Bridge Post Assembly	1,210.47	106.93
34 82 23 00-0018	EA	Four Rail (Curbless) With Base Plate Bridge Post	768.53	110.16
34 82 23 00-0019	EA	Four Rail With Base Plate (Sidewalk Type) Bridge Post	768.77	110.16
34 82 23 00-0020	EA	Four Rail With Curb Bridge Post Assembly	1,223.97	110.16
34 82 23 00-0021	EA	Four Rail (Curbless) Bridge Post Assembly	1,260.95	110.16
34 82 23 00-0022	EA	Five Rail With Base Plate (Curbless) Bridge Post Assembly	862.61	116.64

34 82 23 00-0023**Bridge Railing Splices** ^(34 82 23)

Note: Includes hardware for splices.

34 82 23 00-0024	EA	5" Outside Diameter Bridge Railing Splice	387.81	24.91
34 82 23 00-0025	EA	5" x 3" Bridge Railing Splice	221.12	21.80
34 82 23 00-0026	EA	3" x 3" Bridge Railing Splice	133.13	15.58
34 82 23 00-0027	EA	2" x 2" Bridge Railing Splice	63.33	11.21
34 82 23 00-0028	EA	5" x 5" x 3' Expansion Splice Tube	287.42	24.09
34 82 23 00-0029	EA	4" x 2" x 3' Expansion Splice Bar	308.21	24.09
34 82 23 00-0030	EA	5" x 5" x 2' Fixed Splice Tube	260.07	24.09
34 82 23 00-0031	EA	4" x 2" x 2' Fixed Splice Bar	267.59	24.09
34 82 23 00-0032	EA	6" x 6" x 3/16" Box x 9' Flare Tube	388.07	32.54

34 82 23 00-0033**Transition For Bridge Railing** ^(34 82 23)

Note: Includes hardware for transition for bridge railing.

34 82 23 00-0034	EA	Two Rail Box Beam To Bridge Transition With Splices	1,587.01	129.61
34 82 23 00-0035	EA	Three Rail Box Beam To Bridge Transition With Splices	1,691.20	136.09
34 82 23 00-0036	EA	Four Rail Box Beam To Bridge Transition With Splices	1,992.34	142.57
34 82 23 00-0037	EA	6" x 6" x 16-1/2' Bottom Transition Tube	657.82	64.81
34 82 23 00-0038	EA	6" x 6" x 22' Bottom Transition Tube	821.75	71.28
34 82 23 00-0039	EA	8" x 6" x 16-1/2' Bottom Transition Tube	780.21	64.81
34 82 23 00-0040	EA	6" x 6" x 16-1/2' Top Transition Tube	676.22	64.81
34 82 23 00-0041	EA	6" x 6" x 21-1/2' Top Transition Tube	806.55	71.28
34 82 23 00-0042	EA	8" x 6" x 16-1/2' Top Transition Tube	803.04	64.81
34 82 23 00-0043	EA	6" x 6" x 16-1/2' Middle Transition Tube	632.60	64.81
34 82 23 00-0044	EA	8" x 6" x 16-1/2' Middle Transition Tube	791.62	64.81

34 82 23 00-0045**Anchor Plates And End Caps For Bridge Railing** ^(34 82 23)

34 82 23 00-0046	EA	14" x 14" Bridge Railing Anchor Plate	70.33	6.23
34 82 23 00-0047	EA	18" x 22" Deck Anchor Plate	432.15	31.14
34 82 23 00-0048	EA	2" x 2" Bridge Railing End Cap	59.41	3.12
34 82 23 00-0049	EA	3" x 3" Bridge Railing End Cap	35.78	3.12
34 82 23 00-0050	EA	5" O.D Bridge Railing End Cap	35.50	3.12

34 82 26 Bridge Slope Protection ^(34 82)**34 82 26 00-0001****Bridge Slope Protection** ^(34 82 26)

Note: Solid concrete masonry unit installed in sand bedding.

34 82 26 00-0002	SF	8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection	15.90	6.02
34 82 26 00-0003	SF	8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection	19.03	6.64
34 82 26 00-0004	SF	8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection	21.07	7.05

34	34	Transportation
	34 80	Bridges
	34 82	Bridge Specialties



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST

END OF SECTION 34



Custom Standards And Assemblies	50	
CALTRANS Custom Standards And Assemblies	50 89	50
CALTRANS Construction Performance Requirements	50 89 80	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

50 Custom Standards And Assemblies

50 89 CALTRANS Custom Standards And Assemblies ⁽⁵⁰⁾

Note: Use as directed by owner only.

50 89 80 CALTRANS Construction Performance Requirements ^(50 89)

Note: Refer to www.dot.ca.gov for CALTRANS Standard Plans and Specifications

50 89 81 CALTRANS DIVISION I - GENERAL PROVISIONS ^(50 89 80)

50 89 81 01 PAYMENT ^(50 89 81)

Note: Includes equipment mobilization, hauling over 25 miles, overtime, specialty labor, specialty equipment, reimbursables and permits per CALTRANS Standard. See CSI section 01 22 16 00-0003 for Reimbursable fees and permits, 01 22 20 00-0000 for specialty labor, 01 22 23 00-0000 for specialty equipment, 01 71 13 00-0000 for equipment mobilization, 01 74 19 00-0043 for hauling >25 miles.

50 89 81 01-0001	EA	CALTRANS 999990 MOBILIZATION	0.00

Note: (One Time Per Job) See CSI section 01 71 13 00-0000 for mobilization of equipment.

50 89 82 CALTRANS DIVISION II - GENERAL CONSTRUCTION ^(50 89 80)

50 89 82 12 TEMPORARY TRAFFIC CONTROL ^(50 89 82)

Note: Includes flagging, apparel, temporary traffic control devices, and equipment for flaggers, must comply with the latest California MUTCD per CALTRANS Standard.

50 89 82 12-0001	EA	CALTRANS 120110 FLASHING ARROW SIGN	1,668.49
50 89 82 12-0002	EA	CALTRANS 120116 TYPE II BARRICADE	46.08
50 89 82 12-0003	EA	CALTRANS 120119 TRAFFIC CONE	13.03
50 89 82 12-0004	EA	CALTRANS 120120 TYPE III BARRICADE	89.35
50 89 82 12-0005	EA	CALTRANS 120140 BARRICADE (LEFT IN PLACE)	80.59
50 89 82 12-0006	SF	CALTRANS 120149 TEMPORARY PAVEMENT MARKING (PAINT)	3.50
50 89 82 12-0007	LF	CALTRANS 120151 TEMPORARY TRAFFIC STRIPE (TAPE)	5.47
50 89 82 12-0008	SF	CALTRANS 120152 TEMPORARY PAVEMENT MARKING (TAPE)	13.56
50 89 82 12-0009	LF	CALTRANS 120159 TEMPORARY TRAFFIC STRIPE (PAINT)	0.77
50 89 82 12-0010	EA	CALTRANS 120165 CHANNELIZER (SURFACE MOUNTED)	32.52
50 89 82 12-0011	EA	CALTRANS 120166 CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE)	72.01
50 89 82 12-0012	EA	CALTRANS 120182 PORTABLE DELINEATOR	25.56
50 89 82 12-0013	EA	CALTRANS 120198 PLASTIC TRAFFIC DRUMS	38.88
50 89 82 12-0014	EA	CALTRANS 120200 FLASHING BEACON (PORTABLE)	47.30
50 89 82 12-0015	EA	CALTRANS 120300 TEMPORARY PAVEMENT MARKER	3.51
50 89 82 12-0016	MO	CALTRANS 128651 PORTABLE CHANGEABLE MESSAGE SIGN (EA)	2,991.24
50 89 82 12-0017	MO	CALTRANS 129100 TEMPORARY CRASH CUSHION MODULE	716.79

50 89 82 13 WATER POLLUTION CONTROL ^(50 89 82)

Note: Includes preventing, controlling, and abating water pollution within waters of the State per CALTRANS Standard.

50 89 82 13-0001	EA	CALTRANS 130310 RAIN EVENT ACTION PLAN	568.32
50 89 82 13-0002	EA	CALTRANS 130320 STORM WATER SAMPLING AND ANALYSIS DAY	507.53
50 89 82 13-0003	EA	CALTRANS 130330 STORM WATER ANNUAL REPORT	2,255.36
50 89 82 13-0004	SY	CALTRANS 130500 TEMPORARY EROSION CONTROL BLANKET	6.37
50 89 82 13-0005	EA	CALTRANS 130505 MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	957.52
50 89 82 13-0006	SY	CALTRANS 130510 TEMPORARY MULCH	5.29
50 89 82 13-0007	SY	CALTRANS 130520 TEMPORARY HYDRAULIC MULCH	0.94
50 89 82 13-0008	SY	CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	0.48
50 89 82 13-0009	SY	CALTRANS 130535 TEMPORARY HYDRAULIC MULCH (CEMENTITIOUS BINDER)	13.85
50 89 82 13-0010	SY	CALTRANS 130540 TEMPORARY TACKED STRAW	0.33
50 89 82 13-0011	SY	CALTRANS 130550 TEMPORARY HYDROSEED	0.94
50 89 82 13-0012	SY	CALTRANS 130560 TEMPORARY SOIL BINDER	0.57
50 89 82 13-0013	SY	CALTRANS 130570 TEMPORARY COVER	8.60
50 89 82 13-0014	EA	CALTRANS 130620 TEMPORARY DRAINAGE INLET PROTECTION	82.74
50 89 82 13-0015	LF	CALTRANS 130640 TEMPORARY FIBER ROLL	8.51
Note: 12" Diameter, Type 1			
For >1,000 To 10,000, Deduct			-0.98
For >10,000, Deduct			-1.65
For 9" Diameter, Deduct			-0.93
50 89 82 13-0016	LF	CALTRANS 130640 TEMPORARY FIBER ROLL	6.63
Note: 12" Diameter, Type 2			
For >1,000 To 10,000, Deduct			-0.70
For >10,000, Deduct			-1.18
For 9" Diameter, Deduct			-0.93
50 89 82 13-0017	LF	CALTRANS 130650 TEMPORARY GRAVEL BAG BERM	14.82
50 89 82 13-0018	LF	CALTRANS 130670 TEMPORARY REINFORCED SILT FENCE	10.55
50 89 82 13-0019	LF	CALTRANS 130680 TEMPORARY SILT FENCE	2.96
50 89 82 13-0020	LF	CALTRANS 130690 TEMPORARY STRAW BALE BARRIER	5.26
50 89 82 13-0021	EA	CALTRANS 130710 TEMPORARY CONSTRUCTION ENTRANCE	1,689.34
50 89 82 13-0022	SY	CALTRANS 130720 TEMPORARY CONSTRUCTION ROADWAY	41.32
50 89 82 13-0023	EA	CALTRANS 131103 WATER QUALITY SAMPLING AND ANALYSIS DAY	507.53
50 89 82 13-0024	EA	CALTRANS 131104 WATER QUALITY MONITORING REPORT	780.80
50 89 82 13-0025	EA	CALTRANS 131105 WATER QUALITY ANNUAL REPORT	837.76

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

50 89 83 CALTRANS DIVISION III - GRADING (50 89 80)**50 89 83 17 GENERAL (50 89 83)**

Note: Includes clear all construction areas above original ground of (1) all vegetation such as trees, logs, upturned stumps, roots of downed trees, brush, grass, and weeds and (2) other objectionable material including concrete, masonry, and debris. Grub all construction areas to a depth necessary to remove all trees, existing stumps, roots, buried logs, and other objectionable material, except embankment areas where the grading plane is 2 feet or more above original ground per CALTRAN Standard.

50 89 83 17-0001 ACR CALTRANS 170105 CLEARING AND GRUBBING (ACRE).....13,836.51

Note: Includes grub and removal of stump. In embankment areas where the grading plane is 2 feet or more above original ground, cut off trees, stumps, and roots not more than 1 foot above original ground, except remove trees, stumps, and roots completely where work includes any of the following: 1. Structure construction, 2. Pile construction, 3. Subdrainage trench excavation, 4. Removal of unsuitable material, 5. Cutting into slopes of original hillsides, old or new fill

50 89 83 19 EARTHWORK (50 89 83)

Note: Includes earthwork activities includes removal of unsuitable material or a buried man-made object if the removal is described. Excavate and dispose of unsuitable material encountered below the natural ground surface in embankment areas or below the grading plane in excavation areas. Backfill the space resulting from excavating unsuitable material with material suitable for the planned use. Place and compact suitable material. Remove and dispose of a buried man-made object encountered in an excavation as part of the excavation work. Roadway excavation consists of all excavation involved in the grading and construction of the roadway except structure excavation per CALTRAN Standard.

50 89 83 19-0001	CY	CALTRANS 190101 ROADWAY EXCAVATION	22.62	
		For >1,000, Deduct	-3.39	
50 89 83 19-0002	CY	CALTRANS 190161 ROCK EXCAVATION	37.34	
50 89 83 19-0003	TON	CALTRANS 190185 SHOULDER BACKING	128.70	
50 89 83 19-0004	CY	CALTRANS 192037 STRUCTURE EXCAVATION (RETAINING WALL)	67.94	917.56
50 89 83 19-0005	CY	CALTRANS 192049 STRUCTURE EXCAVATION (SOLDIER PILE WALL)	103.47	325.28
50 89 83 19-0006	CY	CALTRANS 192502 SAND BEDDING.....	34.38	
		For Up To 8, Add	6.88	
		For >8 To 16, Add	3.44	
		For >48 To 64, Deduct	-2.60	
		For >64 To 96, Deduct	-4.32	
		For >96, Deduct	-6.04	
50 89 83 19-0007	CY	CALTRANS 193013 STRUCTURE BACKFILL (RETAINING WALL)	67.94	917.56
50 89 83 19-0008	CY	CALTRANS 193118 CONCRETE BACKFILL.....	257.52	
50 89 83 19-0009	CY	CALTRANS 198010 IMPORTED BORROW (CY)	62.24	
50 89 83 19-0010	TON	CALTRANS 198011 IMPORTED BORROW (TON)	87.14	
50 89 83 19-0011	SY	CALTRANS 198206 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A1.....	6.08	
		For Up To 50, Add	1.27	
		For >50 To 150, Add	0.95	
		For >150 To 250, Add	0.63	
		For >250 To 500, Add	0.31	
50 89 83 19-0012	SY	CALTRANS 198207 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A2.....	2.51	
		For Up To 50, Add	0.55	
		For >50 To 150, Add	0.41	
		For >150 To 250, Add	0.27	
		For >250 To 500, Add	0.13	
50 89 83 19-0013	SY	CALTRANS 198208 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B1.....	7.08	
		For Up To 50, Add	1.47	
		For >50 To 150, Add	1.10	
		For >150 To 250, Add	0.73	
		For >250 To 500, Add	0.36	
50 89 83 19-0014	SY	CALTRANS 198209 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2.....	3.44	
		For Up To 50, Add	0.73	
		For >50 To 150, Add	0.55	
		For >150 To 250, Add	0.36	
		For >250 To 500, Add	0.18	
50 89 83 19-0015	SY	CALTRANS 198210 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B3.....	3.24	
		For Up To 50, Add	0.71	
		For >50 To 150, Add	0.52	
		For >150 To 250, Add	0.34	
		For >250 To 500, Add	0.17	
50 89 83 19-0016	SY	CALTRANS 198215 SUBGRADE ENHANCEMENT GEOGRID	5.43	
		For Up To 50, Add	1.20	
		For >50 To 150, Add	0.89	
		For >150 To 250, Add	0.58	
		For >250 To 500, Add	0.29	
50 89 83 19-0017	SY	CALTRANS 198250 GEOSYNTHETIC REINFORCEMENT	2.29	

50 89 83 20 LANDSCAPE (50 89 83)

Note: Includes materials and placement per CALTRAN Standard. Underground pipe includes pipe, fittings, trenching, backfill and compaction. Aboveground pipe include pipe, fittings and supports.

50 89 83 20-0001	SF	CALTRANS 200114 ROCK BLANKET	16.51
		For >5,000, Deduct	-2.21
50 89 83 20-0002	SY	CALTRANS 200122 WEED GERMINATION.....	0.70
50 89 83 20-0003	SY	CALTRANS 200123 CULTIVATION	3.07
50 89 83 20-0004	LB	CALTRANS 202004 IRON SULFATE (LB).....	7.98
50 89 83 20-0005	CY	CALTRANS 202006 SOIL AMENDMENT.....	125.60
50 89 83 20-0006	EA	CALTRANS 202026 RELOCATE BACKFLOW PREVENTER ASSEMBLY	1,222.48
50 89 83 20-0007	EA	CALTRANS 202027 RELOCATE WATER METER	1,222.48
50 89 83 20-0008	EA	CALTRANS 202028 RELOCATE IRRIGATION CONTROLLER	1,492.10
50 89 83 20-0009	LB	CALTRANS 202037 ORGANIC FERTILIZER.....	8.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0010 EA CALTRANS 202038 PACKET FERTILIZER.....	1.24	
50 89 83 20-0011 LB CALTRANS 202039 SLOW-RELEASE FERTILIZER.....	4.14	
50 89 83 20-0012 EA CALTRANS 204003 PLANT (GROUP C) (6' To 8' B&B).....	475.39	
50 89 83 20-0013 EA CALTRANS 204003 PLANT (GROUP C) (10' To 14' B&B).....	885.80	
50 89 83 20-0014 EA CALTRANS 204003 PLANT (GROUP C) (16' To 20' B&B).....	1,377.87	
50 89 83 20-0015 EA CALTRANS 204003 PLANT (GROUP C) (22' To 26' B&B).....	2,152.81	
50 89 83 20-0016 EA CALTRANS 204005 PLANT (GROUP E).....	4.71	
For >100 To 1,000, Deduct	-0.26	
For >1,000 To 5,000, Deduct	-0.41	
For >5,000, Deduct	-0.53	
50 89 83 20-0017 EA CALTRANS 204006 PLANT (GROUP F).....	2.47	
For >100 To 1,000, Deduct	-0.16	
For >1,000 To 5,000, Deduct	-0.25	
For >5,000, Deduct	-0.32	
50 89 83 20-0018 EA CALTRANS 204008 PLANT (GROUP H).....	6.99	
For >10 To 100, Deduct	-0.70	
For >100 To 1,000, Deduct	-1.57	
For >1,000 To 10,000, Deduct	-2.45	
For >10,000 To 25,000, Deduct	-3.50	
For >25,000, Deduct	-4.89	
50 89 83 20-0019 EA CALTRANS 204009 PLANT (GROUP I).....	25.81	
For >100 To 1,000, Deduct	-1.76	
For >1,000 To 5,000, Deduct	-2.87	
For >5,000, Deduct	-3.51	
50 89 83 20-0020 EA CALTRANS 204011 PLANT (GROUP K).....	652.16	
50 89 83 20-0021 EA CALTRANS 204013 PLANT (GROUP M).....	8.57	
For >100 To 1,000, Deduct	-0.50	
For >1,000 To 5,000, Deduct	-0.78	
For >5,000, Deduct	-1.00	
50 89 83 20-0022 EA CALTRANS 204015 PLANT (GROUP S).....	9.58	
For >100 To 1,000, Deduct	-0.60	
For >1,000 To 5,000, Deduct	-0.97	
For >5,000, Deduct	-1.21	
50 89 83 20-0023 EA CALTRANS 204020 PLANT (GROUP P).....	8.10	
For >100 To 1,000, Deduct	-0.46	
For >1,000 To 5,000, Deduct	-0.72	
For >5,000, Deduct	-0.93	
50 89 83 20-0024 EA CALTRANS 204030 TRANSPLANT TREE.....	4,208.77	
For >5 To 10, Deduct	-210.44	
For >10 To 20, Deduct	-420.88	
For >20, Deduct	-631.32	
50 89 83 20-0025 EA CALTRANS 204035 PLANT (GROUP A).....	34.88	
50 89 83 20-0026 EA CALTRANS 204036 PLANT (GROUP B).....	88.54	
50 89 83 20-0027 EA CALTRANS 204038 PLANT (GROUP U).....	231.37	
50 89 83 20-0028 SY CALTRANS 204045 SOD.....	20.23	
50 89 83 20-0029 SF CALTRANS 205033 GRAVEL MULCH.....	1.41	
50 89 83 20-0030 SF CALTRANS 205034 DECOMPOSED GRANITE.....	1.72	
50 89 83 20-0031 CY CALTRANS 205035 WOOD MULCH.....	119.62	
For >5 To 20, Deduct	-9.77	
For >20 To 50, Deduct	-14.66	
For >50, Deduct	-20.64	
50 89 83 20-0032 EA CALTRANS 205051 FOLIAGE PROTECTOR.....	42.50	
50 89 83 20-0033 EA CALTRANS 205052 ROOT PROTECTOR.....	30.09	
50 89 83 20-0034 LF CALTRANS 205062 ROOT BARRIER.....	13.51	
50 89 83 20-0035 LF CALTRANS 206005 EDGING.....	18.37	
50 89 83 20-0036 EA CALTRANS 206561 3/4" REMOTE CONTROL VALVE.....	445.84	
50 89 83 20-0037 EA CALTRANS 206562 1" REMOTE CONTROL VALVE.....	690.74	
50 89 83 20-0038 EA CALTRANS 206563 1 1/4" REMOTE CONTROL VALVE.....	758.16	
50 89 83 20-0039 EA CALTRANS 206564 1 1/2" REMOTE CONTROL VALVE.....	831.37	
50 89 83 20-0040 EA CALTRANS 206565 2" REMOTE CONTROL VALVE.....	927.75	
50 89 83 20-0041 EA CALTRANS 206566 2 1/2" REMOTE CONTROL VALVE.....	1,458.03	
50 89 83 20-0042 EA CALTRANS 206567 3" REMOTE CONTROL VALVE.....	1,988.31	
50 89 83 20-0043 EA CALTRANS 206571 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR.....	1,033.43	
50 89 83 20-0044 EA CALTRANS 206630 3/4" WYE STRAINER ASSEMBLY.....	370.36	
50 89 83 20-0045 EA CALTRANS 206631 1" WYE STRAINER ASSEMBLY.....	401.44	
50 89 83 20-0046 EA CALTRANS 206632 1 1/4" WYE STRAINER ASSEMBLY.....	447.24	
50 89 83 20-0047 EA CALTRANS 206633 1 1/2" WYE STRAINER ASSEMBLY.....	474.47	
50 89 83 20-0048 EA CALTRANS 206634 2" WYE STRAINER ASSEMBLY.....	565.05	
50 89 83 20-0049 EA CALTRANS 206635 2-1/2" WYE STRAINER ASSEMBLY.....	854.12	
50 89 83 20-0050 EA CALTRANS 206636 3" WYE STRAINER ASSEMBLY.....	1,027.75	
50 89 83 20-0051 EA CALTRANS 206747 4 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	961.33	
50 89 83 20-0052 EA CALTRANS 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	1,334.68	
50 89 83 20-0053 EA CALTRANS 206751 12 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	1,774.48	
50 89 83 20-0054 EA CALTRANS 206757 16-18 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	2,269.84	
50 89 83 20-0055 EA CALTRANS 206758 24-32 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	3,016.88	
50 89 83 20-0056 EA CALTRANS 206759 30-42 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	3,760.42	
50 89 83 20-0057 LF CALTRANS 207050 1/2" COPPER PIPE (SUPPLY LINE).....	12.72	
For >1,000, Deduct	-0.64	
50 89 83 20-0058 LF CALTRANS 207051 3/4" COPPER PIPE (SUPPLY LINE).....	17.32	
For >1,000, Deduct	-0.87	
50 89 83 20-0059 LF CALTRANS 207052 1" COPPER PIPE (SUPPLY LINE).....	21.24	
For >1,000, Deduct	-1.06	
50 89 83 20-0060 LF CALTRANS 207053 1 1/4" COPPER PIPE (SUPPLY LINE).....	27.08	
For >1,000, Deduct	-1.35	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0061 LF CALTRANS 207054 1 1/2" COPPER PIPE (SUPPLY LINE).....	32.72	
For >1,000, Deduct	-1.64	
50 89 83 20-0062 LF CALTRANS 207055 2" COPPER PIPE (SUPPLY LINE).....	45.27	
For >1,000, Deduct	-2.26	
50 89 83 20-0063 LF CALTRANS 207056 3" COPPER PIPE (SUPPLY LINE).....	90.07	
For >1,000, Deduct	-4.50	
50 89 83 20-0064 LF CALTRANS 207057 4" COPPER PIPE (SUPPLY LINE).....	144.40	
For >1,000, Deduct	-7.22	
50 89 83 20-0065 LF CALTRANS 207058 2 1/2" COPPER PIPE (SUPPLY LINE).....	62.04	
For >1,000, Deduct	-3.10	
50 89 83 20-0066 LF CALTRANS 208001 1/2" GALVANIZED PIPE (SUPPLY LINE).....	14.05	
For >1,000, Deduct	-0.70	
50 89 83 20-0067 LF CALTRANS 208002 3/4" GALVANIZED PIPE (SUPPLY LINE).....	16.12	
For >1,000, Deduct	-0.81	
50 89 83 20-0068 LF CALTRANS 208003 1" GALVANIZED PIPE (SUPPLY LINE).....	19.13	
For >1,000, Deduct	-0.96	
50 89 83 20-0069 LF CALTRANS 208004 1 1/4" GALVANIZED PIPE (SUPPLY LINE).....	22.56	
For >1,000, Deduct	-1.13	
50 89 83 20-0070 LF CALTRANS 208005 1 1/2" GALVANIZED PIPE (SUPPLY LINE).....	26.26	
For >1,000, Deduct	-1.31	
50 89 83 20-0071 LF CALTRANS 208006 2" GALVANIZED PIPE (SUPPLY LINE).....	33.12	
For >1,000, Deduct	-1.66	
50 89 83 20-0072 LF CALTRANS 208007 2 1/2" GALVANIZED PIPE (SUPPLY LINE).....	48.98	
For >1,000, Deduct	-2.45	
50 89 83 20-0073 LF CALTRANS 208008 3" GALVANIZED PIPE (SUPPLY LINE).....	68.31	
For >1,000, Deduct	-3.42	
50 89 83 20-0074 LF CALTRANS 208009 4" GALVANIZED PIPE (SUPPLY LINE).....	98.84	
For >1,000, Deduct	-4.94	
50 89 83 20-0075 LF CALTRANS 208026 2" SUPPLY LINE (BRIDGE).....	60.32	
50 89 83 20-0076 LF CALTRANS 208027 2 1/2" SUPPLY LINE (BRIDGE).....	76.28	
50 89 83 20-0077 LF CALTRANS 208028 3" SUPPLY LINE (BRIDGE).....	94.19	
50 89 83 20-0078 LF CALTRANS 208029 4" SUPPLY LINE (BRIDGE).....	137.71	
50 89 83 20-0079 LF CALTRANS 208030 6" SUPPLY LINE (BRIDGE).....	346.43	
50 89 83 20-0080 LF CALTRANS 208033 8" SUPPLY LINE (BRIDGE).....	726.19	
50 89 83 20-0081 LF CALTRANS 208042 2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	40.41	
50 89 83 20-0082 LF CALTRANS 208043 2 1/2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	57.15	
50 89 83 20-0083 LF CALTRANS 208044 3" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	70.99	
50 89 83 20-0084 LF CALTRANS 208046 4" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	101.90	
50 89 83 20-0085 LF CALTRANS 208220 1/2" DRIP IRRIGATION TUBING.....	2.79	
50 89 83 20-0086 LF CALTRANS 208221 3/4" DRIP IRRIGATION TUBING.....	2.99	
50 89 83 20-0087 EA CALTRANS 208301 IRRIGATION CONTROLLER ENCLOSURE CABINET.....	4,015.84	
50 89 83 20-0088 EA CALTRANS 208422 3/4" BACKFLOW PREVENTER ASSEMBLY.....	2,435.82	
50 89 83 20-0089 EA CALTRANS 208423 1" BACKFLOW PREVENTER ASSEMBLY.....	2,566.08	
50 89 83 20-0090 EA CALTRANS 208424 1 1/4" BACKFLOW PREVENTER ASSEMBLY.....	3,367.27	
50 89 83 20-0091 EA CALTRANS 208425 1 1/2" BACKFLOW PREVENTER ASSEMBLY.....	3,650.34	
50 89 83 20-0092 EA CALTRANS 208426 2" BACKFLOW PREVENTER ASSEMBLY.....	4,870.19	
50 89 83 20-0093 EA CALTRANS 208427 2 1/2" BACKFLOW PREVENTER ASSEMBLY.....	10,454.06	
50 89 83 20-0094 EA CALTRANS 208428 3" BACKFLOW PREVENTER ASSEMBLY.....	12,139.23	
50 89 83 20-0095 EA CALTRANS 208429 4" BACKFLOW PREVENTER ASSEMBLY.....	13,131.69	
50 89 83 20-0096 EA CALTRANS 208440 BACKFLOW PREVENTER ENCLOSURE.....	3,562.04	
50 89 83 20-0097 EA CALTRANS 208442 FLOW SENSOR.....	1,771.26	
50 89 83 20-0098 EA CALTRANS 208447 POP-UP SPRINKLER ASSEMBLY (GEAR DRIVEN).....	97.10	14.67
50 89 83 20-0099 EA CALTRANS 208448 RISER SPRINKLER ASSEMBLY.....	60.46	14.67
50 89 83 20-0100 EA CALTRANS 208449 POP-UP SPRINKLER ASSEMBLY.....	59.41	14.67
50 89 83 20-0101 EA CALTRANS 208562 CAM COUPLER ASSEMBLY.....	498.89	
50 89 83 20-0102 EA CALTRANS 208569 1/2" GATE VALVE.....	334.83	
50 89 83 20-0103 EA CALTRANS 208570 3/4" GATE VALVE.....	355.91	
50 89 83 20-0104 EA CALTRANS 208572 1" GATE VALVE.....	388.27	
50 89 83 20-0105 EA CALTRANS 208573 1 1/4" GATE VALVE.....	427.89	
50 89 83 20-0106 EA CALTRANS 208574 1 1/2" GATE VALVE.....	455.71	
50 89 83 20-0107 EA CALTRANS 208575 2" GATE VALVE.....	518.41	
50 89 83 20-0108 EA CALTRANS 208576 2 1/2" GATE VALVE.....	833.96	
50 89 83 20-0109 EA CALTRANS 208588 3" GATE VALVE.....	1,463.49	
50 89 83 20-0110 EA CALTRANS 208589 4" GATE VALVE.....	1,957.71	
50 89 83 20-0111 EA CALTRANS 208590 6" GATE VALVE.....	2,799.36	
50 89 83 20-0112 EA CALTRANS 208591 8" GATE VALVE.....	4,270.37	
50 89 83 20-0113 LF CALTRANS 208593 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	6.83	
For >1,000, Deduct	-0.34	
For Schedule 80, Add	0.17	
50 89 83 20-0114 LF CALTRANS 208594 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	7.00	
For >1,000, Deduct	-0.35	
For Schedule 80, Add	0.21	
50 89 83 20-0115 LF CALTRANS 208595 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	7.88	
For >1,000, Deduct	-0.39	
For Schedule 80, Add	0.33	
50 89 83 20-0116 LF CALTRANS 208596 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	9.31	
For >1,000, Deduct	-0.47	
For Schedule 80, Add	0.50	
50 89 83 20-0117 LF CALTRANS 208597 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	9.52	
For >1,000, Deduct	-0.48	
For Schedule 80, Add	0.66	



Custom Standards And Assemblies		50
CALTRANS Custom Standards And Assemblies		50 89
CALTRANS Construction Performance Requirements		50 89 80

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0118 LF CALTRANS 208598 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	11.22	
For >1,000, Deduct	-0.56	
For Schedule 80, Add	1.12	
50 89 83 20-0119 LF CALTRANS 208599 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	13.47	
For >1,000, Deduct	-0.67	
For Schedule 80, Add	1.45	
50 89 83 20-0120 LF CALTRANS 208600 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	17.50	
For >1,000, Deduct	-0.88	
For Schedule 80, Add	2.03	
50 89 83 20-0121 LF CALTRANS 208601 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	21.92	
For >1,000, Deduct	-1.10	
For Schedule 80, Add	3.11	
50 89 83 20-0122 LF CALTRANS 208602 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	29.83	
For >1,000, Deduct	-1.49	
For Schedule 80, Add	6.92	
50 89 83 20-0123 LF CALTRANS 208603 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	35.72	
For >1,000, Deduct	-1.79	
For Schedule 80, Add	10.61	
50 89 83 20-0124 LF CALTRANS 208604 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	71.27	
For >1,000, Deduct	-3.56	
For Schedule 80, Add	32.98	
50 89 83 20-0125 LF CALTRANS 208605 2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	11.79	
For >1,000, Deduct	-0.59	
50 89 83 20-0126 LF CALTRANS 208606 2 1/2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	14.41	
For >1,000, Deduct	-0.72	
50 89 83 20-0127 LF CALTRANS 208607 3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	17.50	
For >1,000, Deduct	-0.88	
50 89 83 20-0128 LF CALTRANS 208608 4" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	21.92	
For >1,000, Deduct	-1.10	
50 89 83 20-0129 LF CALTRANS 208609 6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	30.25	
For >1,000, Deduct	-1.51	
50 89 83 20-0130 EA CALTRANS 208631 3/4" PRESSURE RELIEF VALVE	960.74	
50 89 83 20-0131 EA CALTRANS 208632 1 1/2" PRESSURE RELIEF VALVE	1,415.45	
50 89 83 20-0132 EA CALTRANS 208633 1" PRESSURE RELIEF VALVE	1,131.41	
50 89 83 20-0133 EA CALTRANS 208634 2" PRESSURE RELIEF VALVE	1,590.21	
50 89 83 20-0134 EA CALTRANS 208640 PRESSURE REGULATING VALVE (3/4")	300.64	
50 89 83 20-0135 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1")	394.42	
50 89 83 20-0136 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/4")	673.21	
50 89 83 20-0137 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/2")	912.79	
50 89 83 20-0138 EA CALTRANS 208640 PRESSURE REGULATING VALVE (2")	1,308.77	
50 89 83 20-0139 EA CALTRANS 208649 QUICK COUPLING VALVE	586.18	
50 89 83 20-0140 EA CALTRANS 208670 1/2" CHECK VALVE	350.16	
50 89 83 20-0141 EA CALTRANS 208670 3/4" CHECK VALVE	375.11	
50 89 83 20-0142 EA CALTRANS 208670 1" CHECK VALVE	408.24	
50 89 83 20-0143 EA CALTRANS 208670 1 1/4" CHECK VALVE	459.26	
50 89 83 20-0144 EA CALTRANS 208670 1 1/2" CHECK VALVE	511.07	
50 89 83 20-0145 EA CALTRANS 208670 2" CHECK VALVE	581.31	
50 89 83 20-0146 EA CALTRANS 208670 2 1/2" CHECK VALVE	900.97	
50 89 83 20-0147 EA CALTRANS 208670 3" CHECK VALVE	1,542.71	
50 89 83 20-0148 EA CALTRANS 208670 4" CHECK VALVE	2,282.32	
50 89 83 20-0149 EA CALTRANS 208670 6" CHECK VALVE	3,482.44	
50 89 83 20-0150 EA CALTRANS 208670 8" CHECK VALVE	7,684.49	
50 89 83 20-0151 EA CALTRANS 208683 1/2" BALL VALVE	316.35	
50 89 83 20-0152 EA CALTRANS 208683 3/4" BALL VALVE	347.01	
50 89 83 20-0153 EA CALTRANS 208683 1" BALL VALVE	359.08	
50 89 83 20-0154 EA CALTRANS 208683 1 1/4" BALL VALVE	398.85	
50 89 83 20-0155 EA CALTRANS 208683 1 1/2" BALL VALVE	420.00	
50 89 83 20-0156 EA CALTRANS 208683 2" BALL VALVE	462.01	
50 89 83 20-0157 EA CALTRANS 208683 2 1/2" BALL VALVE	517.90	
50 89 83 20-0158 LF CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE)	35.72	
For >1,000, Deduct	-1.79	
50 89 83 20-0159 LF CALTRANS 208702 8" ABS COMPOSITE PIPE CONDUIT	49.43	
For >1,000, Deduct	-2.47	
50 89 83 20-0160 LF CALTRANS 208703 10" ABS COMPOSITE PIPE CONDUIT	70.12	
For >1,000, Deduct	-3.51	
50 89 83 20-0161 LF CALTRANS 208738 8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	27.47	
50 89 83 20-0162 LF CALTRANS 208739 10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	35.24	
50 89 83 20-0163 LF CALTRANS 208740 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	40.80	
50 89 83 20-0164 LF CALTRANS 208756 6" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	30.36	
50 89 83 20-0165 LF CALTRANS 208758 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	37.88	
50 89 83 20-0166 LF CALTRANS 208760 10" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	46.97	
50 89 83 20-0167 LF CALTRANS 208762 12" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	52.17	
50 89 83 20-0168 LF CALTRANS 208813 1 1/4" WELDED STEEL PIPE CONDUIT	26.69	
For >1,000, Deduct	-1.33	
50 89 83 20-0169 LF CALTRANS 208814 1 1/2" WELDED STEEL PIPE CONDUIT	31.21	
For >1,000, Deduct	-1.56	
50 89 83 20-0170 LF CALTRANS 208815 2" WELDED STEEL PIPE CONDUIT	36.06	
For >1,000, Deduct	-1.80	
50 89 83 20-0171 LF CALTRANS 208816 3" WELDED STEEL PIPE CONDUIT	48.95	
For >1,000, Deduct	-2.45	
50 89 83 20-0172 LF CALTRANS 208817 4" WELDED STEEL PIPE CONDUIT	65.96	
For >1,000, Deduct	-3.30	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0173 LF CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT <i>For >1,000, Deduct</i>	93.26 -4.66	
50 89 83 20-0174 LF CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT <i>For >1,000, Deduct</i>	133.14 -6.66	
50 89 83 20-0175 LF CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT <i>For >1,000, Deduct</i>	174.89 -8.74	
50 89 83 20-0176 LF CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT <i>For >1,000, Deduct</i>	222.16 -11.11	
50 89 83 21 EROSION CONTROL (50 89 83)		
Note: Includes applying permanent erosion control measures to the soil surface per CALTRAN Standard.		
50 89 83 21-0001 EA CALTRANS 210010 MOVE-IN/MOVE-OUT (EROSION CONTROL).....	383.01	
50 89 83 21-0002 CY CALTRANS 210110 IMPORTED TOPSOIL (CY).....	62.24	
50 89 83 21-0003 TON CALTRANS 210111 IMPORTED TOPSOIL (TON).....	77.80	
50 89 83 21-0004 SF CALTRANS 210212 DRY SEED (SQFT).....	0.11	
50 89 83 21-0005 ACR CALTRANS 210213 DRY SEED (ACRE)..... <i>For >5 To 20, Deduct</i> <i>For >20 To 45, Deduct</i> <i>For >45, Deduct</i>	4,803.31 -341.71 -664.88 -1,089.59	
50 89 83 21-0006 SY CALTRANS 210222 DRILL SEED (SQYD).....	0.38	
50 89 83 21-0007 ACR CALTRANS 210223 DRILL SEED (ACRE).....	1,820.41	
50 89 83 21-0008 SF CALTRANS 210252 BONDED FIBER MATRIX (SQFT).....	0.10	
50 89 83 21-0009 ACR CALTRANS 210253 BONDED FIBER MATRIX (ACRE).....	4,505.51	
50 89 83 21-0010 SF CALTRANS 210260 ROLLED EROSION CONTROL PRODUCT (JUTE MESH).....	0.54	
50 89 83 21-0011 SF CALTRANS 210270 ROLLED EROSION CONTROL PRODUCT (NETTING).....	1.97	
50 89 83 21-0012 SF CALTRANS 210280 ROLLED EROSION CONTROL PRODUCT (BLANKET).....	0.64	
50 89 83 21-0013 SF CALTRANS 210290 ROLLED EROSION CONTROL PRODUCT (TRM).....	1.67	
50 89 83 21-0014 SF CALTRANS 210300 HYDROMULCH.....	0.11	
50 89 83 21-0015 LF CALTRANS 210350 FIBER ROLL..... Note: 12" Diameter, Type 1 <i>For >1,000 To 10,000, Deduct</i> <i>For >10,000, Deduct</i> <i>For 9" Diameter, Deduct</i>	8.51 -0.98 -1.65 -0.93	
50 89 83 21-0016 LF CALTRANS 210350 FIBER ROLL..... Note: 12" Diameter, Type 2 <i>For >1,000 To 10,000, Deduct</i> <i>For >10,000, Deduct</i> <i>For 9" Diameter, Deduct</i>	6.63 -0.70 -1.18 -0.93	
50 89 83 21-0017 LF CALTRANS 210360 COMPOST SOCK.....	11.92	
50 89 83 21-0018 SF CALTRANS 210420 STRAW.....	0.22	
50 89 83 21-0019 SF CALTRANS 210430 HYDROSEED.....	0.11	
50 89 83 21-0020 CY CALTRANS 210610 COMPOST (CY)..... <i>For >100 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	96.87 -16.22 -24.85	
50 89 83 21-0021 SF CALTRANS 210630 INCORPORATE MATERIALS.....	0.06	
50 89 84 CALTRANS DIVISION IV - SUBBASES AND BASES (50 89 80)		
50 89 84 24 STABILIZED SOILS (50 89 84)		
50 89 84 24-0001 SY CALTRANS 240105 LIME STABILIZED SOIL..... <i>For 4% Lime Instead Of 5%, Deduct</i> <i>For 6% Lime Instead Of 5%, Add</i>	13.50 -0.40 0.40	
50 89 84 24-0002 SY CALTRANS 240300 CEMENT STABILIZED SOIL.....	12.29	
50 89 84 25 AGGREGATE SUBBASES (50 89 84)		
Note: Includes aggregate, placing aggregate subbase, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.		
50 89 84 25-0001 CY CALTRANS 250101 CLASS 1 AGGREGATE SUBBASE.....	121.53	
50 89 84 25-0002 CY CALTRANS 250201 CLASS 2 AGGREGATE SUBBASE.....	110.61	
50 89 84 25-0003 CY CALTRANS 250301 CLASS 3 AGGREGATE SUBBASE.....	106.09	
50 89 84 25-0004 CY CALTRANS 250401 CLASS 4 AGGREGATE SUBBASE.....	106.04	
50 89 84 25-0005 CY CALTRANS 250501 CLASS 5 AGGREGATE SUBBASE.....	105.98	
50 89 84 26 AGGREGATE BASES (50 89 84)		
Note: Includes aggregate, placing aggregate, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.		
50 89 84 26-0001 CY CALTRANS 260200 AGGREGATE BASE..... <i>For Recycled Aggregate Base, Deduct</i>	120.21 -7.82	
50 89 84 26-0002 TON CALTRANS 260202 CLASS 2 AGGREGATE BASE (TON).....	112.18	
50 89 84 26-0003 CY CALTRANS 260203 CLASS 2 AGGREGATE BASE (CY).....	110.61	
50 89 84 26-0004 TON CALTRANS 260302 CLASS 3 AGGREGATE BASE (TON).....	106.01	
50 89 84 26-0005 CY CALTRANS 260303 CLASS 3 AGGREGATE BASE (CY).....	106.09	
50 89 84 27 CEMENT TREATED BASES (50 89 84)		
Note: Includes aggregate, Type II portland cement, mixing, placing cement treated base, spreading, compaction, contact joints and curing per CALTRAN Standard.		



Custom Standards And Assemblies			50
CALTRANS Custom Standards And Assemblies			50 89
CALTRANS Construction Performance Requirements			50 89 80

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
50 89 84 27-0001	TON CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON)	54.71		
	For Up To 500, Add	16.11		
	For >500 To 1,000, Add	5.47		
	For >5,000 To 10,000, Deduct	-2.08		
	For >10,000, Deduct	-3.56		
50 89 84 27-0002	CY CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY)	73.85		
	For Up To 500, Add	21.77		
	For >500 To 1,000, Add	7.39		
	For >5,000 To 10,000, Deduct	-2.81		
	For >10,000, Deduct	-4.80		
50 89 84 27-0003	TON CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON)	44.46		
	For Up To 500, Add	13.04		
	For >500 To 1,000, Add	4.45		
	For >5,000 To 10,000, Deduct	-1.69		
	For >10,000, Deduct	-2.89		
50 89 84 27-0004	CY CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY)	63.60		
	For Up To 500, Add	18.69		
	For >500 To 1,000, Add	6.36		
	For >5,000 To 10,000, Deduct	-2.42		
	For >10,000, Deduct	-4.13		
50 89 84 28	CONCRETE BASES (50 89 84)			
Note: Includes constructing concrete bases and placing concrete per CALTRAN Standard.				
50 89 84 28-0001	CY CALTRANS 280001 CONCRETE BASE	269.15		
50 89 84 29	TREATED PERMEABLE BASES (50 89 84)			
Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.				
50 89 84 29-0001	CY CALTRANS 290301 CEMENT TREATED PERMEABLE BASE	1,003.25		
	For >5,000 To 30,000, Deduct	-106.80		
	For >30,000 To 100,000, Deduct	-195.01		
	For >100,000, Deduct	-242.18		
50 89 84 30	RECLAIMED PAVEMENT (50 89 84)			
Note: Includes constructing reclaimed pavement bases, surface preparation, grading, compaction, finishing and placement per CALTRAN Standard.				
50 89 84 30-0001	SF CALTRANS 300100 FULL DEPTH RECLAMATION-FOAMED ASPHALT	24.66		
50 89 84 30-0002	SY CALTRANS 303000 PULVERIZED ROADBED	5.37		
50 89 85	CALTRANS DIVISION V - SURFACINGS AND PAVEMENTS (50 89 80)			
50 89 85 37	BITUMINOUS SEALS (50 89 85)			
Note: Includes applying bituminous seals, surface preparation, placement, spreading, finishing and seal coat per CALTRAN Standard.				
50 89 85 37-0001	SY CALTRANS 370001 SAND COVER (SEAL)	1.53		
50 89 85 37-0002	SY CALTRANS 374002 ASPHALTIC EMULSION (FOG SEAL COAT)	0.91		
50 89 85 37-0003	LNMI CALTRANS 374207 CRACK TREATMENT	6,847.71		
50 89 85 37-0004	SY CALTRANS 374491 NON-POLYMER ASPHALTIC EMULSION (SEAL COAT)	5.17		
50 89 85 37-0005	SY CALTRANS 374493 POLYMER ASPHALTIC EMULSION (SEAL COAT)	10.74		
50 89 85 37-0006	TON CALTRANS 375001 SCREENINGS	85.92		
	For Up To 14, Add	23.60		
	For >14 To 35, Add	8.59		
50 89 85 37-0007	SY CALTRANS 375009 TACK COAT (SEAL)	1.06		
	For Up To 150, Add	0.23		
	For >150 To 300, Add	0.11		
	For >300 To 500, Add	0.05		
	For >3,500 To 5,000, Deduct	-0.03		
	For >5,000, Deduct	-0.07		
50 89 85 37-0008	SY CALTRANS 377501 SLURRY SEAL (TYPE I)	3.27		
	Note: 1/8" thick.			
	For Each 0.5% Of Latex Addition, Add	0.33		
50 89 85 37-0009	SY CALTRANS 377501 SLURRY SEAL (TYPE II)	4.32		
	Note: 1/4" thick, 14 to 18 Lb./SY.			
	For Each 0.5% Of Latex Addition, Add	0.49		
50 89 85 37-0010	SY CALTRANS 377501 SLURRY SEAL (TYPE III)	5.61		
	Note: 3/8" thick, 25 to 30 Lb./SY.			
	For Each 0.5% Of Latex Addition, Add	0.80		
50 89 85 37-0011	SY CALTRANS 378000 MICRO-SURFACING	11.56		
50 89 85 39	ASPHALT CONCRETE (50 89 85)			
Note: Includes hot mix asphalt, preparation, placement, finishing, compaction and testing per CALTRAN Standard.				
50 89 85 39-0001	TON CALTRANS 390100 PRIME COAT	1,418.92		
50 89 85 39-0002	TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (Up To 25)	183.47		
50 89 85 39-0003	TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>25 To 100)	173.26		
50 89 85 39-0004	TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>100-250)	157.18		
50 89 85 39-0005	TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>250)	149.31		
50 89 85 39-0006	TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (UP TO 25)	292.22		
50 89 85 39-0007	TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>25 - 100)	255.78		
50 89 85 39-0008	TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>100 - 250)	219.60		
50 89 85 39-0009	TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>250)	186.41		

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 39-0010 TON CALTRANS 390136 MINOR HOT MIX ASPHALT (UP TO 25)	300.78	
50 89 85 39-0011 TON CALTRANS 390137 RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	186.03	
Note: Includes placement, rolling, finishing and sweeping.		
50 89 85 39-0012 SY CALTRANS 393004 GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC).....	2.11	
Note: 4.1 Oz/SY, 100# 1-Inch Grab Tensile, Non-woven Polypropylene		
For Up To 50, Add	0.47	
For >50 To 150, Add	0.35	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.11	
50 89 85 39-0013 LF CALTRANS 394072 PLACE HOT MIX ASPHALT DIKE (TYPE B)	10.03	
50 89 85 39-0014 LF CALTRANS 394073 PLACE HOT MIX ASPHALT DIKE (TYPE A)	7.33	
50 89 85 39-0015 LF CALTRANS 394074 PLACE HOT MIX ASPHALT DIKE (TYPE C)	3.90	
50 89 85 39-0016 LF CALTRANS 394075 PLACE HOT MIX ASPHALT DIKE (TYPE D)	16.05	
50 89 85 39-0017 LF CALTRANS 394076 PLACE HOT MIX ASPHALT DIKE (TYPE E)	10.39	
50 89 85 39-0018 LF CALTRANS 394077 PLACE HOT MIX ASPHALT DIKE (TYPE F)	5.70	
50 89 85 39-0019 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) Up To 2"	17.49	
For Up To 500, Add	2.74	
For >500 To 1,000, Add	1.56	
For >5,000 To 10,000, Deduct	-0.71	
For >10,000 To 24,000, Deduct	-1.30	
For >24,000 To 48,000, Deduct	-2.01	
For >48,000, Deduct	-2.89	
50 89 85 39-0020 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >2" To 3"	24.40	
For Up To 300, Add	3.60	
For >300 To 600, Add	2.92	
For >3,000 To 6,000, Deduct	-1.03	
For >6,000 To 16,000, Deduct	-1.88	
For >16,000 To 32,000, Deduct	-2.90	
For >32,000, Deduct	-4.17	
50 89 85 39-0021 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >3" To 4"	33.17	
For Up To 250, Add	4.55	
For >250 To 500, Add	2.52	
For >2,500 To 5,000, Deduct	-1.45	
For >5,000 To 12,000, Deduct	-2.64	
For >12,000 To 24,000, Deduct	-4.10	
For >24,000, Deduct	-5.88	
50 89 85 39-0022 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >4" To 6"	49.75	
For Up To 160, Add	6.83	
For >160 To 320, Add	3.77	
For >1,600 To 3,200, Deduct	-2.18	
For >3,200 To 8,000, Deduct	-3.96	
For >8,000 To 16,000, Deduct	-6.14	
For >16,000, Deduct	-8.82	
50 89 85 39-0023 TON CALTRANS 395020 RUBBERIZED HOT MIX ASPHALT-GAP GRADED (BONDED WEARING COURSE).....	186.03	
50 89 85 39-0024 TON CALTRANS 397005 TACK COAT	858.13	
50 89 85 39-0025 SF CALTRANS 398000 REMOVE ASPHALT CONCRETE PAVEMENT (CY)	204.45	
For >500 To 1,000, Deduct	-20.45	
For >1,000 To 2,500, Deduct	-36.80	
For >2,500 To 5,000, Deduct	-53.16	
For >5,000 To 10,000, Deduct	-69.51	
For >10,000, Deduct	-85.87	
50 89 85 39-0026 SF CALTRANS 398001 REMOVE ASPHALT CONCRETE PAVEMENT (SQFT)	3.46	
For >500 To 1,000, Deduct	-0.35	
For >1,000 To 2,500, Deduct	-0.62	
For >2,500 To 5,000, Deduct	-0.90	
For >5,000 To 10,000, Deduct	-1.18	
For >10,000, Deduct	-1.45	
50 89 85 39-0027 LF CALTRANS 398100 REMOVE ASPHALT CONCRETE DIKE	5.74	
50 89 85 39-0028 SY CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (Up To 3")	4.82	
For Up To 2,500, Add	3.62	
For >2,500 To 5,000, Add	1.21	
For >10,000 To 25,000, Deduct	-0.48	
For >25,000, Deduct	-0.72	
50 89 85 39-0029 SY CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (>3" To 6")	6.43	
For Up To 2,500, Add	4.82	
For >2,500 To 5,000, Add	1.61	
For >10,000 To 25,000, Deduct	-0.64	
For >25,000, Deduct	-0.96	

50 89 85 40 CONCRETE PAVEMENT (50 89 85)

Note: Includes concrete pavement, reinforcing, placement, finishing, compaction and testing per CALTRAN Standard.

50 89 85 40-0001 CY CALTRANS 400050 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT	409.27	
For >1,000 To 5,000, Deduct	-19.07	
For >5,000, Deduct	-49.07	
50 89 85 40-0002 CY CALTRANS 401050 JOINTED PLAIN CONCRETE PAVEMENT	390.69	
For >1,000 To 5,000, Deduct	-19.07	
For >5,000, Deduct	-48.14	

50 89 85 41 EXISTING CONCRETE PAVEMENT (50 89 85)

Note: Includes work on existing concrete pavement, placement and finishing per CALTRAN Standard.

50 89 85 41-0001 EA CALTRANS 410096 DRILL AND BOND (DOWEL BAR)	34.08	



Custom Standards And Assemblies			50
CALTRANS Custom Standards And Assemblies			50 89
CALTRANS Construction Performance Requirements			50 89 80

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MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 41-0002	SY	CALTRANS 410121 SPALL REPAIR (FAST-SETTING CONCRETE)	439.98	
		For Up To 100, Add	606.96	
		For >100 To 250, Add	303.48	
50 89 85 41-0003	LF	CALTRANS 414220 REPLACE JOINT SEAL (ASPHALT RUBBER)	9.50	
50 89 85 41-0004	LF	CALTRANS 414221 REPLACE JOINT SEAL (SILICONE)	9.12	
50 89 85 41-0005	LF	CALTRANS 414222 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 7/16" TO 13/16")	16.34	
50 89 85 41-0006	LF	CALTRANS 414223 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1" TO 1-1/4")	19.41	
50 89 85 41-0007	LF	CALTRANS 414224 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1-5/8" TO 2")	38.80	
50 89 85 41-0008	LF	CALTRANS 414241 ISOLATION JOINT SEAL (SILICONE)	13.32	
50 89 85 41-0009	LF	CALTRANS 414242 ISOLATION JOINT SEAL (PREFORMED COMPRESSION)	14.17	
50 89 85 41-0010	SY	CALTRANS 416101 PAVEMENT TRANSITION TAPER	64.72	
		For Up To 100, Add	25.42	
		For >100 To 250, Add	14.39	
		For >250 To 500, Add	7.19	
		For >1,000 To 2,000, Deduct	-1.68	
		For >2,000 To 5,000, Deduct	-3.29	
		For >5,000 To 10,000, Deduct	-4.91	
		For >10,000 To 20,000, Deduct	-6.53	
		For >20,000, Deduct	-8.15	
50 89 85 41-0011	CY	CALTRANS 418002 REMOVE CONCRETE PAVEMENT AND BASE	51.28	
50 89 85 41-0012	SY	CALTRANS 418005 REMOVE CONCRETE PAVEMENT (SQYD)	24.78	
		For >500 To 1,000, Deduct	-2.48	
		For >1,000 To 2,500, Deduct	-4.46	
		For >2,500 To 5,000, Deduct	-6.44	
		For >5,000 To 10,000, Deduct	-8.43	
		For >10,000, Deduct	-10.41	
50 89 85 42 GROOVE AND GRIND CONCRETE (50 89 85)				
Note: Includes grooving and grinding concrete roadway surfaces per CALTRAN Standard.				
50 89 85 42-0001	SY	CALTRANS 420102 GROOVE EXISTING CONCRETE PAVEMENT	1.85	
50 89 85 42-0002	SY	CALTRANS 420104 GROOVE EXISTING BRIDGE DECK	2.77	
50 89 85 42-0003	SY	CALTRANS 420201 GRIND EXISTING CONCRETE PAVEMENT	4.82	
		For Up To 2,500, Add	3.62	
		For >2,500 To 5,000, Add	1.21	
		For >10,000 To 25,000, Deduct	-0.48	
		For >25,000, Deduct	-0.72	
50 89 85 42-0004	SY	CALTRANS 420203 GRIND EXISTING BRIDGE DECK	30.49	
		For >100 To 1,000, Deduct	-15.25	
		For >1,000, Deduct	-22.87	
50 89 86 CALTRANS DIVISION VI - STRUCTURES (50 89 86)				
50 89 86 47 EARTH RETAINING SYSTEMS (50 89 86)				
50 89 86 47-0001	SF	CALTRANS 475010 RETAINING WALL (MASONRY WALL)	75.62	9.62
		For >3:1 Sloped Soil At Top, Add	4.79	
50 89 86 56 OVERHEAD SIGN STRUCTURES, STANDARDS, AND POLES (50 89 86)				
50 89 86 56-0001	SF	CALTRANS 560248 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	23.30	25.65
50 89 86 60 EXISTING STRUCTURES (50 89 86)				
50 89 86 60-0001	LF	CALTRANS 600063 CORE CONCRETE (1")	132.50	
		For Horizontal Cores, Add	26.17	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.35	
50 89 86 60-0002	LF	CALTRANS 600064 CORE CONCRETE (2")	163.20	
		For Horizontal Cores, Add	32.31	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	64.63	
50 89 86 60-0003	LF	CALTRANS 600065 CORE CONCRETE (3")	179.17	
		For Horizontal Cores, Add	35.38	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.77	
50 89 86 60-0004	LF	CALTRANS 600066 CORE CONCRETE (4")	238.82	
		For Horizontal Cores, Add	47.18	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	94.36	
50 89 86 60-0005	LF	CALTRANS 600067 CORE CONCRETE (5")	275.03	
		For Horizontal Cores, Add	54.29	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.58	
50 89 86 60-0006	LF	CALTRANS 600068 CORE CONCRETE (6")	310.58	
		For Horizontal Cores, Add	61.40	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.80	
50 89 86 60-0007	LF	CALTRANS 600069 CORE CONCRETE (7")	406.40	
		For Horizontal Cores, Add	80.30	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	160.60	
50 89 86 60-0008	LF	CALTRANS 600070 CORE CONCRETE (8")	500.92	
		For Horizontal Cores, Add	99.21	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	198.41	
50 89 86 60-0009	LF	CALTRANS 600071 CORE CONCRETE (9")	57.98	
		For Horizontal Cores, Add	10.29	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.58	
50 89 86 60-0010	LF	CALTRANS 600072 CORE CONCRETE (10")	539.71	
		For Horizontal Cores, Add	106.64	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	213.28	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 86 60-0011 LF CALTRANS 600074 CORE CONCRETE (12").....	621.80	
For Horizontal Cores, Add	122.80	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	245.59	
50 89 86 60-0012 LF CALTRANS 600081 CORE CONCRETE (1 1/2").....	147.05	
For Horizontal Cores, Add	29.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	58.17	
50 89 86 60-0013 LF CALTRANS 600083 CORE CONCRETE (2 1/2").....	171.50	
For Horizontal Cores, Add	33.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.70	

50 89 87 CALTRANS DIVISION VII - DRAINAGE FACILITIES (50 89 80)**50 89 87 64 PLASTIC PIPE (50 89 87)**

Note: Includes installing plastic pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRANS Standard.

50 89 87 64-0001 LF CALTRANS 641101 12" PLASTIC PIPE	53.38	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 64-0002 LF CALTRANS 641104 15" PLASTIC PIPE	66.93	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 64-0003 LF CALTRANS 641107 18" PLASTIC PIPE	84.61	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 64-0004 LF CALTRANS 641110 21" PLASTIC PIPE	100.57	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 64-0005 LF CALTRANS 641113 24" PLASTIC PIPE	117.21	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 64-0006 LF CALTRANS 641119 30" PLASTIC PIPE	168.88	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 64-0007 LF CALTRANS 641125 36" PLASTIC PIPE	205.83	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 64-0008 LF CALTRANS 641128 42" PLASTIC PIPE	284.83	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 64-0009 LF CALTRANS 641131 48" PLASTIC PIPE	344.72	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	

50 89 87 65 CONCRETE PIPE (50 89 87)

Note: Includes installing concrete pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRANS Standard.

50 89 87 65-0001 LF CALTRANS 650010 12" REINFORCED CONCRETE PIPE	67.52	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.38	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0002 LF CALTRANS 650012 15" REINFORCED CONCRETE PIPE	83.91	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.20	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0003 LF CALTRANS 650014 18" REINFORCED CONCRETE PIPE	96.13	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.81	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0004 LF CALTRANS 650016 21" REINFORCED CONCRETE PIPE	123.67	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.18	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0005 LF CALTRANS 650018 24" REINFORCED CONCRETE PIPE	142.99	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.15	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	



Custom Standards And Assemblies			50
CALTRANS Custom Standards And Assemblies			50 89
CALTRANS Construction Performance Requirements			50 89 80

50

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0006 LF CALTRANS 650019 27" REINFORCED CONCRETE PIPE.....	176.48	
Note: Includes 0.98 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.82	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0007 LF CALTRANS 650022 30" REINFORCED CONCRETE PIPE.....	188.70	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.44	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0008 LF CALTRANS 650024 33" REINFORCED CONCRETE PIPE.....	210.62	
Note: Includes 1.19 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.53	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0009 LF CALTRANS 650026 36" REINFORCED CONCRETE PIPE.....	232.34	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-11.62	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0010 LF CALTRANS 650030 42" REINFORCED CONCRETE PIPE.....	299.15	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.96	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0011 LF CALTRANS 650034 48" REINFORCED CONCRETE PIPE.....	358.61	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-17.93	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0012 LF CALTRANS 650038 54" REINFORCED CONCRETE PIPE.....	440.80	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-22.04	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0013 LF CALTRANS 650042 60" REINFORCED CONCRETE PIPE.....	528.95	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-26.45	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0014 LF CALTRANS 650046 66" REINFORCED CONCRETE PIPE.....	784.72	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-39.24	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0015 LF CALTRANS 650050 72" REINFORCED CONCRETE PIPE.....	910.84	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-45.54	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0016 LF CALTRANS 650054 78" REINFORCED CONCRETE PIPE.....	1,087.12	
Note: Includes 3.31 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-54.36	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0017 LF CALTRANS 650058 84" REINFORCED CONCRETE PIPE.....	1,382.71	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-69.14	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0018 LF CALTRANS 650065 96" REINFORCED CONCRETE PIPE.....	1,685.78	
Note: Includes 4.44 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-84.29	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0019 LF CALTRANS 650211 18" REINFORCED CONCRETE PIPE (CLASS II).....	94.10	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.71	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0020 LF CALTRANS 650220 30" REINFORCED CONCRETE PIPE (CLASS II).....	184.61	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.23	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0021 LF CALTRANS 650222 33" REINFORCED CONCRETE PIPE (CLASS II).....	205.81	
Note: Includes 1.19 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.29	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0022 LF CALTRANS 650224 36" REINFORCED CONCRETE PIPE (CLASS II).....	226.80	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-11.34	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0023 LF CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III).....	67.52	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.38	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0024 LF CALTRANS 650309 15" REINFORCED CONCRETE PIPE (CLASS III).....	83.91	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.20	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0025 LF CALTRANS 650311 18" REINFORCED CONCRETE PIPE (CLASS III).....	96.13	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.81	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0026 LF CALTRANS 650316 24" REINFORCED CONCRETE PIPE (CLASS III).....	142.99	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.15	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0027 LF CALTRANS 650318 27" REINFORCED CONCRETE PIPE (CLASS III).....	176.48	
Note: Includes 0.98 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.82	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0028 LF CALTRANS 650320 30" REINFORCED CONCRETE PIPE (CLASS III).....	188.70	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.44	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0029 LF CALTRANS 650324 36" REINFORCED CONCRETE PIPE (CLASS III).....	232.34	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-11.62	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0030 LF CALTRANS 650328 42" REINFORCED CONCRETE PIPE (CLASS III).....	299.15	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.96	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0031 LF CALTRANS 650336 54" REINFORCED CONCRETE PIPE (CLASS III).....	440.80	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-22.04	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0032 LF CALTRANS 650407 12" REINFORCED CONCRETE PIPE (CLASS IV).....	70.39	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.52	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0033 LF CALTRANS 650409 15" REINFORCED CONCRETE PIPE (CLASS IV).....	87.58	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.38	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0034 LF CALTRANS 650411 18" REINFORCED CONCRETE PIPE (CLASS IV).....	100.00	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-5.00	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0035 LF CALTRANS 650416 24" REINFORCED CONCRETE PIPE (CLASS IV).....	148.67	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.43	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0036 LF CALTRANS 650420 30" REINFORCED CONCRETE PIPE (CLASS IV).....	196.45	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.82	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0037 LF CALTRANS 650424 36" REINFORCED CONCRETE PIPE (CLASS IV).....	242.86	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.14	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0038 LF CALTRANS 650432 48" REINFORCED CONCRETE PIPE (CLASS IV).....	377.48	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-18.87	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0039 LF CALTRANS 650436 54" REINFORCED CONCRETE PIPE (CLASS IV).....	465.32	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-23.27	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	



Custom Standards And Assemblies			50
CALTRANS Custom Standards And Assemblies			50 89
CALTRANS Construction Performance Requirements			50 89 80

50

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0040 LF CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV)	559.09	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-27.95	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0041 LF CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V)	73.56	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.68	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0042 LF CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V)	104.27	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-5.21	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0043 LF CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V)	154.95	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.75	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0044 LF CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V)	188.70	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.44	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0045 LF CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V)	254.48	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.72	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0046 LF CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V)	299.15	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.96	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0047 LF CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V)	492.41	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-24.62	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0048 LF CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V)	528.95	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-26.45	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0049 LF CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V)	910.84	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-45.54	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0050 LF CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	68.13	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.41	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0051 LF CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	144.19	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.21	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0052 LF CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	69.79	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.49	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0053 LF CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	99.18	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.96	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0054 LF CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	127.64	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.38	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0055 LF CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	147.48	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.37	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0056 LF CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	194.82	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.74	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0057 LF CALTRANS 652324 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	240.64	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.03	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0058 LF CALTRANS 652328 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	311.16	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-15.56	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0059 LF CALTRANS 652332 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	373.51	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-18.68	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0060 LF CALTRANS 652348 72" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	959.85	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-47.99	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0061 LF CALTRANS 652416 24" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	153.58	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.68	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0062 LF CALTRANS 652420 30" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	203.15	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.16	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0063 LF CALTRANS 652424 36" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	251.94	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.60	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0064 LF CALTRANS 652428 42" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	327.50	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-16.38	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0065 LF CALTRANS 652444 66" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	882.16	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-44.11	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0066 LF CALTRANS 654311 18" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	162.79	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.14	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0067 LF CALTRANS 654316 24" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	201.18	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.06	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0068 LF CALTRANS 654324 36" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	267.28	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-13.36	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0069 LF CALTRANS 657213 24" X 38" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS II).....	280.25	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.01	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0070 LF CALTRANS 657329 34" X 53" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS III).....	481.35	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-24.07	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0071 LF CALTRANS 659108 18" NON-REINFORCED CONCRETE PIPE.....	88.00	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.40	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0072 LF CALTRANS 659109 24" NON-REINFORCED CONCRETE PIPE.....	131.03	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.55	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 65-0073 LF CALTRANS 659110 30" NON-REINFORCED CONCRETE PIPE.....	172.37	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.62	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	



Custom Standards And Assemblies			50
CALTRANS Custom Standards And Assemblies			50 89
CALTRANS Construction Performance Requirements			50 89 80

50

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0074	LF	CALTRANS 659111 36" NON-REINFORCED CONCRETE PIPE Note: Includes 1.30 CY of excavated material per LF of pipe. For >1,000, Deduct For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	210.20 -10.51 0.88 1.09	
50 89 87 66 CORRUGATED METAL PIPE (50 89 87)				
Note: Includes installing corrugated metal pipe and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRANS Standard.				
50 89 87 66-0001	LF	CALTRANS 665002 6" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	30.94 0.88 1.09	
50 89 87 66-0002	LF	CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	33.53 0.88 1.09	
50 89 87 66-0003	LF	CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	41.67 0.88 1.09	
50 89 87 66-0004	LF	CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	45.07 0.88 1.09	
50 89 87 66-0005	LF	CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.32 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	51.31 0.88 1.09	
50 89 87 66-0006	LF	CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.32 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	54.09 0.88 1.09	
50 89 87 66-0007	LF	CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	56.98 0.88 1.09	
50 89 87 66-0008	LF	CALTRANS 665012 12" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	61.42 0.88 1.09	
50 89 87 66-0009	LF	CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	71.79 0.88 1.09	
50 89 87 66-0010	LF	CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	77.27 0.88 1.09	
50 89 87 66-0011	LF	CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	88.56 0.88 1.09	
50 89 87 66-0012	LF	CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	84.17 0.88 1.09	
50 89 87 66-0013	LF	CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	90.78 0.88 1.09	
50 89 87 66-0014	LF	CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	104.47 0.88 1.09	
50 89 87 66-0015	LF	CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	99.93 0.88 1.09	
50 89 87 66-0016	LF	CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	107.57 0.88 1.09	
50 89 87 66-0017	LF	CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	123.48 0.88 1.09	
50 89 87 66-0018	LF	CALTRANS 665022 24" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	110.78 0.88 1.09	



MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
50 89 87 66-0019	LF	CALTRANS 665023 24" CORRUGATED STEEL PIPE (.079" THICK)	119.90		
		Note: Includes 0.89 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0020	LF	CALTRANS 665024 24" CORRUGATED STEEL PIPE (.109" THICK)	138.03		
		Note: Includes 0.89 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0021	LF	CALTRANS 665025 24" CORRUGATED STEEL PIPE (.138" THICK)	153.25		
		Note: Includes 0.89 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0022	LF	CALTRANS 665026 27" CORRUGATED STEEL PIPE (.064" THICK)	127.96		
		Note: Includes 0.98 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0023	LF	CALTRANS 665027 27" CORRUGATED STEEL PIPE (.079" THICK)	138.06		
		Note: Includes 0.98 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0024	LF	CALTRANS 665030 30" CORRUGATED STEEL PIPE (.064" THICK)	148.15		
		Note: Includes 1.08 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0025	LF	CALTRANS 665031 30" CORRUGATED STEEL PIPE (.079" THICK)	158.99		
		Note: Includes 1.08 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0026	LF	CALTRANS 665032 30" CORRUGATED STEEL PIPE (.109" THICK)	181.42		
		Note: Includes 1.08 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0027	LF	CALTRANS 665033 30" CORRUGATED STEEL PIPE (.138" THICK)	200.79		
		Note: Includes 1.08 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0028	LF	CALTRANS 665035 36" CORRUGATED STEEL PIPE (.064" THICK)	194.98		
		Note: Includes 1.30 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0029	LF	CALTRANS 665036 36" CORRUGATED STEEL PIPE (.079" THICK)	208.15		
		Note: Includes 1.30 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0030	LF	CALTRANS 665037 36" CORRUGATED STEEL PIPE (.109" THICK)	234.75		
		Note: Includes 1.30 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0031	LF	CALTRANS 665038 36" CORRUGATED STEEL PIPE (.138" THICK)	259.65		
		Note: Includes 1.30 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0032	LF	CALTRANS 665039 36" CORRUGATED STEEL PIPE (.168" THICK)	289.07		
		Note: Includes 1.30 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0033	LF	CALTRANS 665040 42" CORRUGATED STEEL PIPE (.064" THICK)	227.25		
		Note: Includes 1.53 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0034	LF	CALTRANS 665041 42" CORRUGATED STEEL PIPE (.079" THICK)	242.34		
		Note: Includes 1.53 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0035	LF	CALTRANS 665042 42" CORRUGATED STEEL PIPE (.109" THICK)	273.07		
		Note: Includes 1.53 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0036	LF	CALTRANS 665043 42" COORUGATED STEEL PIPE (.138" THICK)	302.21		
		Note: Includes 1.53 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0037	LF	CALTRANS 665045 48" CORRUGATED STEEL PIPE (.064" THICK)	258.77		
		Note: Includes 1.78 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0038	LF	CALTRANS 665046 48" CORRUGATED STEEL PIPE (.079" THICK)	276.02		
		Note: Includes 1.78 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		
50 89 87 66-0039	LF	CALTRANS 665047 48" CORRUGATED STEEL PIPE (.109" THICK)	311.25		
		Note: Includes 1.78 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09		



Custom Standards And Assemblies			50
CALTRANS Custom Standards And Assemblies			50 89
CALTRANS Construction Performance Requirements			50 89 80

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0040 LF CALTRANS 665048 48" CORRUGATED STEEL PIPE (.138" THICK) 344.31 Note: Includes 1.78 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0041 LF CALTRANS 665049 48" CORRUGATED STEEL PIPE (.168" THICK) 383.27 Note: Includes 1.78 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0042 LF CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK) 337.35 Note: Includes 2.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0043 LF CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK) 376.24 Note: Includes 2.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0044 LF CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK) 413.28 Note: Includes 2.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0045 LF CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK) 459.42 Note: Includes 2.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0046 LF CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK) 435.30 Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0047 LF CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK) 476.52 Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0048 LF CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK) 527.20 Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0049 LF CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK) 522.38 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0050 LF CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK) 567.68 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0051 LF CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK) 699.87 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0052 LF CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK) 764.07 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0053 LF CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK) 825.56 Note: Includes 3.31 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0054 LF CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK) 883.97 Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0055 LF CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK) 980.47 Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0056 LF CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK) 947.00 Note: Includes 4.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0057 LF CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK) 1,007.55 Note: Includes 4.44 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0058 LF CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" THICK) 115.84 Note: Includes 0.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0059 LF CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) 126.53 Note: Includes 0.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0060 LF CALTRANS 665103 6" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) 36.43 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		
50 89 87 66-0061 LF CALTRANS 665105 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) 45.46 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.88 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.09		



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
50 89 87 66-0062	LF CALTRANS 665106 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		48.88		
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0063	LF CALTRANS 665108 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		56.08		
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0064	LF CALTRANS 665109 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		60.38		
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0065	LF CALTRANS 665111 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		62.01		
	Note: Includes 0.37 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0066	LF CALTRANS 665112 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		66.47		
	Note: Includes 0.37 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0067	LF CALTRANS 665113 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		78.06		
	Note: Includes 0.53 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0068	LF CALTRANS 665114 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		83.60		
	Note: Includes 0.53 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0069	LF CALTRANS 665115 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		97.18		
	Note: Includes 0.53 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0070	LF CALTRANS 665116 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		91.76		
	Note: Includes 0.64 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0071	LF CALTRANS 665117 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		98.45		
	Note: Includes 0.64 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0072	LF CALTRANS 665118 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		113.25		
	Note: Includes 0.64 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0073	LF CALTRANS 665119 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		109.01		
	Note: Includes 0.80 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0074	LF CALTRANS 665120 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		116.69		
	Note: Includes 0.80 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0075	LF CALTRANS 665121 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		133.86		
	Note: Includes 0.80 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0076	LF CALTRANS 665122 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		116.48		
	Note: Includes 0.89 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0077	LF CALTRANS 665123 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		130.21		
	Note: Includes 0.89 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0078	LF CALTRANS 665124 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		149.79		
	Note: Includes 0.89 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0079	LF CALTRANS 665125 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....		167.58		
	Note: Includes 0.89 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0080	LF CALTRANS 665130 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		161.40		
	Note: Includes 1.08 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0081	LF CALTRANS 665131 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		172.25		
	Note: Includes 1.08 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0082	LF CALTRANS 665132 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		196.39		
	Note: Includes 1.08 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		
50 89 87 66-0083	LF CALTRANS 665133 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....		219.01		
	Note: Includes 1.08 CY of excavated material per LF of pipe.				
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.88		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.09		



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County of Santa Cruz, A License **Page 50 - 19**

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0105 LF CALTRANS 665158 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....	561.52	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0106 LF CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	614.52	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0107 LF CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	687.54	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0108 LF CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....	763.92	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0109 LF CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	840.97	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0110 LF CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	929.40	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0111 LF CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	906.70	
Note: Includes 3.31 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0112 LF CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	1,002.30	
Note: Includes 3.31 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0113 LF CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	971.70	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0114 LF CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	1,087.49	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0115 LF CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	1,040.12	
Note: Includes 4.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0116 LF CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	193.61	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0117 LF CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" THICK).....	143.80	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0118 LF CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....	159.28	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0119 LF CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....	268.17	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0120 LF CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....	130.21	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0121 LF CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK).....	252.10	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0122 LF CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....	224.76	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0123 LF CALTRANS 665711 12" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	61.66	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0124 LF CALTRANS 665712 12" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	65.95	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0125 LF CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" THICK).....	79.33	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	



Custom Standards And Assemblies		50
CALTRANS Custom Standards And Assemblies		50 89
CALTRANS Construction Performance Requirements		50 89 80

50

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0126 LF CALTRANS 665716 18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	110.73	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0127 LF CALTRANS 665717 18" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	120.58	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0128 LF CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" THICK).....	204.84	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0129 LF CALTRANS 665722 24" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	120.12	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0130 LF CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	128.85	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0131 LF CALTRANS 665811 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	67.76	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0132 LF CALTRANS 665812 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	73.08	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0133 LF CALTRANS 665816 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	124.74	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0134 LF CALTRANS 665817 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	136.95	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0135 LF CALTRANS 665818 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.109" THICK).....	175.12	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0136 LF CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" THICK).....	205.03	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0137 LF CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	143.36	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0138 LF CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" THICK).....	241.62	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0139 LF CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	80.46	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0140 LF CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	98.36	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0141 LF CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	111.95	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0142 LF CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	115.88	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0143 LF CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	131.89	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0144 LF CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	122.89	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0145 LF CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	148.07	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0146 LF CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	163.95	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0147 LF CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	171.46	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0148 LF CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	193.82	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0149 LF CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	213.81	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0150 LF CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	213.16	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0151 LF CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	239.61	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0152 LF CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	264.51	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0153 LF CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	249.47	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0154 LF CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	279.99	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0155 LF CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	309.02	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0156 LF CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	299.59	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0157 LF CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	326.70	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0158 LF CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	359.60	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0159 LF CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	349.72	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0160 LF CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	379.65	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0161 LF CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	442.88	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0162 LF CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	480.35	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0163 LF CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	730.39	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0164 LF CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" THICK).....	160.55	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0165 LF CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK).....	323.55	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0166 LF CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	61.42	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0167 LF CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	84.17	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	
50 89 87 66-0168 LF CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	90.78	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.88	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.09	



Custom Standards And Assemblies			50
CALTRANS Custom Standards And Assemblies			50 89
CALTRANS Construction Performance Requirements			50 89 80

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0169	LF CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	104.47 0.88 1.09	
50 89 87 66-0170	LF CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.064" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	45.46 0.88 1.09	
50 89 87 66-0171	LF CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	130.21 0.88 1.09	
50 89 87 67 STRUCTURAL PLATE CULVERTS (50 89 87)			
Note: Includes structural metal plate pipe, arches and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, testing, and other connecting devices per CALTRAN Standard.			
50 89 87 67-0001	LF CALTRANS 670602 90" STRUCTURAL STEEL PLATE PIPE (.138" THICK) Note: Includes 4.05 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	967.46 0.88 1.09	
50 89 87 67-0002	LF CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK) Note: Includes 5.30 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1,056.85 0.88 1.09	
50 89 87 67-0003	LF CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK) Note: Includes 6.22 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1,172.11 0.88 1.09	
50 89 87 67-0004	LF CALTRANS 674351 11'-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK) Note: Includes 0.32 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1,347.88 0.88 1.09	
50 89 87 68 SUBSURFACE DRAINS (50 89 87)			
Note: Includes subsurface drains, excavation, backfill and compaction per CALTRAN Standard.			
50 89 87 68-0001	LF CALTRANS 680402 6" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	33.77 0.88 1.09	
50 89 87 68-0002	LF CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	45.43 0.88 1.09	
50 89 87 68-0003	LF CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	49.67 0.88 1.09	
50 89 87 68-0004	LF CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	64.15 0.88 1.09	
50 89 87 68-0005	LF CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	69.71 0.88 1.09	
50 89 87 68-0006	LF CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	54.41 0.88 1.09	
50 89 87 69 OVERSIDE DRAINS (50 89 87)			
Note: Includes constructing overside drains, excavation, backfill, compaction and anchors per CALTRAN Standard.			
50 89 87 69-0001	LF CALTRANS 690103 6" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	32.96	
50 89 87 69-0002	LF CALTRANS 690105 8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	40.70	
50 89 87 69-0003	LF CALTRANS 690106 8" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	44.10	
50 89 87 69-0004	LF CALTRANS 690107 10" CORRUGATED STEEL PIPE DOWNDRAIN	53.05	
50 89 87 69-0005	LF CALTRANS 690111 12" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	55.38	
50 89 87 69-0006	LF CALTRANS 690112 12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	59.83	
50 89 87 69-0007	LF CALTRANS 690114 15" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	75.08	
50 89 87 69-0008	LF CALTRANS 690115 15" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	86.36	
50 89 87 69-0009	LF CALTRANS 690116 18" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	81.68	
50 89 87 69-0010	LF CALTRANS 690117 18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	88.29	
50 89 87 69-0011	LF CALTRANS 690118 18" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	101.98	
50 89 87 69-0012	LF CALTRANS 690122 24" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	106.27	
50 89 87 69-0013	LF CALTRANS 690123 24" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	115.15	
50 89 87 69-0014	LF CALTRANS 690124 24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	133.28	
50 89 87 69-0015	LF CALTRANS 690125 24" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	148.51	
50 89 87 69-0016	LF CALTRANS 690131 30" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	153.68	
50 89 87 69-0017	LF CALTRANS 690132 30" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	176.10	
50 89 87 69-0018	LF CALTRANS 690134 30" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	195.46	
50 89 87 69-0019	LF CALTRANS 690136 36" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	202.18	
50 89 87 69-0020	LF CALTRANS 690137 36" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	228.78	
50 89 87 69-0021	LF CALTRANS 690138 36" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	253.68	
50 89 87 69-0022	LF CALTRANS 690142 42" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	264.35	
50 89 87 69-0023	LF CALTRANS 690147 48" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	299.39	
50 89 87 69-0024	LF CALTRANS 690148 48" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	332.45	
50 89 87 69-0025	LF CALTRANS 690150 54" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	363.36	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 69-0026 LF CALTRANS 690205 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	44.49	
50 89 87 69-0027 LF CALTRANS 690206 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	47.91	
50 89 87 69-0028 LF CALTRANS 690211 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	60.42	
50 89 87 69-0029 LF CALTRANS 690212 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	64.88	
50 89 87 69-0030 LF CALTRANS 690216 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	89.26	
50 89 87 69-0031 LF CALTRANS 690217 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	95.96	
50 89 87 69-0032 LF CALTRANS 690218 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	110.76	
50 89 87 69-0033 LF CALTRANS 690222 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	116.48	
50 89 87 69-0034 LF CALTRANS 690223 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	125.47	
50 89 87 69-0035 LF CALTRANS 690224 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	145.05	
50 89 87 69-0036 LF CALTRANS 690225 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	162.84	
50 89 87 69-0037 LF CALTRANS 690231 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	166.93	
50 89 87 69-0038 LF CALTRANS 690232 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	191.06	
50 89 87 69-0039 LF CALTRANS 690235 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	205.72	
50 89 87 69-0040 LF CALTRANS 690237 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	247.29	
50 89 87 69-0041 LF CALTRANS 690238 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	277.22	
50 89 87 69-0042 LF CALTRANS 690242 42" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	286.03	
50 89 87 69-0043 LF CALTRANS 690247 48" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	323.87	
50 89 87 69-0044 LF CALTRANS 690253 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	213.68	
50 89 87 69-0045 LF CALTRANS 690260 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	84.03	
50 89 87 69-0046 LF CALTRANS 690263 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	124.19	
50 89 87 69-0047 LF CALTRANS 690318 18" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	117.83	
50 89 87 69-0048 LF CALTRANS 690324 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	154.53	
50 89 87 69-0049 LF CALTRANS 690341 42" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	253.17	
50 89 87 69-0050 LF CALTRANS 690351 54" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	416.37	
50 89 87 69-0051 LF CALTRANS 690960 12" PLASTIC PIPE DOWNDRAIN.....	51.77	
50 89 87 69-0052 LF CALTRANS 690964 18" PLASTIC PIPE DOWNDRAIN.....	82.11	
50 89 87 69-0053 EA CALTRANS 692303 8" ANCHOR ASSEMBLY.....	690.03	
50 89 87 69-0054 EA CALTRANS 692305 12" ANCHOR ASSEMBLY.....	862.16	
50 89 87 69-0055 EA CALTRANS 692306 15" ANCHOR ASSEMBLY.....	968.14	
50 89 87 69-0056 EA CALTRANS 692307 18" ANCHOR ASSEMBLY.....	1,081.44	
50 89 87 69-0057 EA CALTRANS 692309 24" ANCHOR ASSEMBLY.....	1,330.76	
50 89 87 69-0058 EA CALTRANS 692311 30" ANCHOR ASSEMBLY.....	1,593.39	
50 89 87 69-0059 EA CALTRANS 692313 36" ANCHOR ASSEMBLY.....	1,860.18	
50 89 87 69-0060 EA CALTRANS 692319 54" ANCHOR ASSEMBLY.....	2,657.58	
50 89 87 70 MISCELLANEOUS DRAINAGE FACILITIES (50 89 87)		
50 89 87 70-0001 LF CALTRANS 700637 36" CORRUGATED STEEL PIPE INLET (.064" THICK).....	208.15	
50 89 87 70-0002 LF CALTRANS 700638 36" CORRUGATED STEEL PIPE INLET (.079" THICK).....	208.15	
50 89 87 70-0003 LF CALTRANS 700639 36" CORRUGATED STEEL PIPE INLET (.109" THICK).....	234.75	
50 89 87 70-0004 LF CALTRANS 700640 36" CORRUGATED STEEL PIPE INLET (.138" THICK).....	259.65	
50 89 87 70-0005 LF CALTRANS 700641 36" CORRUGATED STEEL PIPE INLET (.168" THICK).....	315.82	
50 89 87 70-0006 LF CALTRANS 700655 48" CORRUGATED STEEL PIPE INLET (.109" THICK).....	311.25	
50 89 87 70-0007 LF CALTRANS 700656 48" CORRUGATED STEEL PIPE INLET (.138" THICK).....	344.31	
50 89 87 70-0008 LF CALTRANS 700837 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.064" THICK).....	211.69	
50 89 87 70-0009 LF CALTRANS 700838 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK).....	223.22	
50 89 87 70-0010 LF CALTRANS 700839 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.109" THICK).....	253.26	
50 89 87 70-0011 LF CALTRANS 700840 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.138" THICK).....	283.19	
50 89 87 70-0012 LF CALTRANS 700854 48" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK).....	335.74	
50 89 87 70-0013 LF CALTRANS 703516 8" WELDED STEEL PIPE (.188" THICK).....	112.31	30.58
For >1,000, Deduct	-5.62	
50 89 87 70-0014 LF CALTRANS 703525 10" WELDED STEEL PIPE (.250" THICK).....	155.02	33.35
For >1,000, Deduct	-7.75	
50 89 87 70-0015 LF CALTRANS 703533 12" WELDED STEEL PIPE (.250" THICK).....	175.44	34.95
For >1,000, Deduct	-8.77	
50 89 87 70-0016 LF CALTRANS 703555 18" WELDED STEEL PIPE (.250" THICK).....	249.06	45.87
For >1,000, Deduct	-12.45	
50 89 87 70-0017 LF CALTRANS 703557 18" WELDED STEEL PIPE (.375" THICK).....	325.97	78.13
For >1,000, Deduct	-16.30	
50 89 87 70-0018 LF CALTRANS 703564 20" WELDED STEEL PIPE (.375" THICK).....	356.54	78.13
For >1,000, Deduct	-17.83	
50 89 87 70-0019 LF CALTRANS 703575 24" WELDED STEEL PIPE (.250" THICK).....	386.27	90.15
For >1,000, Deduct	-19.31	
50 89 87 70-0020 LF CALTRANS 703576 24" WELDED STEEL PIPE (.375" THICK).....	452.30	90.15
For >1,000, Deduct	-22.62	
50 89 87 70-0021 LF CALTRANS 703598 30" WELDED STEEL PIPE (.250" THICK).....	449.16	105.17
For >1,000, Deduct	-22.46	
50 89 87 70-0022 LF CALTRANS 703600 30" WELDED STEEL PIPE (.375" THICK).....	525.58	105.17
For >1,000, Deduct	-26.28	
50 89 87 70-0023 LF CALTRANS 703618 36" WELDED STEEL PIPE (.250" THICK).....	593.36	126.20
For >1,000, Deduct	-29.67	
50 89 87 70-0024 LF CALTRANS 703620 36" WELDED STEEL PIPE (.375" THICK).....	698.81	126.20
For >1,000, Deduct	-34.94	
50 89 87 70-0025 LF CALTRANS 703644 42" WELDED STEEL PIPE (.250" THICK).....	1,185.78	141.23
For >1,000, Deduct	-59.29	
50 89 87 70-0026 LF CALTRANS 703646 42" WELDED STEEL PIPE (.375" THICK).....	1,185.78	141.23
For >1,000, Deduct	-59.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 70-0027 LF CALTRANS 703656 48" WELDED STEEL PIPE (.375" THICK)	1,361.50	159.26
For >1,000, Deduct	-68.08	
50 89 87 70-0028 LF CALTRANS 703755 8" COATED WELDED STEEL PIPE (.188" THICK)	126.71	30.58
For >1,000, Deduct	-6.34	
50 89 87 70-0029 LF CALTRANS 703757 10" COATED WELDED STEEL PIPE (.250" THICK)	171.07	33.35
For >1,000, Deduct	-8.55	
50 89 87 70-0030 LF CALTRANS 703760 12" COATED WELDED STEEL PIPE (.250" THICK)	175.44	34.95
For >1,000, Deduct	-8.77	
50 89 87 70-0031 LF CALTRANS 703762 18" COATED WELDED STEEL PIPE (.250" THICK)	276.25	45.87
For >1,000, Deduct	-13.81	
50 89 87 70-0032 LF CALTRANS 703763 18" COATED WELDED STEEL PIPE (.375" THICK)	353.16	78.13
For >1,000, Deduct	-17.66	
50 89 87 70-0033 LF CALTRANS 703764 20" COATED WELDED STEEL PIPE (.375" THICK)	386.76	78.13
For >1,000, Deduct	-19.34	
50 89 87 70-0034 LF CALTRANS 703765 24" COATED WELDED STEEL PIPE (.250" THICK)	406.02	90.15
For >1,000, Deduct	-20.30	
50 89 87 70-0035 LF CALTRANS 703767 30" COATED WELDED STEEL PIPE (.250" THICK)	494.47	105.17
For >1,000, Deduct	-24.72	
50 89 87 70-0036 LF CALTRANS 703768 30" COATED WELDED STEEL PIPE (.375" THICK)	570.89	105.17
For >1,000, Deduct	-28.54	
50 89 87 70-0037 LF CALTRANS 703769 36" COATED WELDED STEEL PIPE (.250" THICK)	647.74	126.20
For >1,000, Deduct	-32.39	
50 89 87 70-0038 LF CALTRANS 703769 36" COATED WELDED STEEL PIPE (.375" THICK)	753.19	126.20
For >1,000, Deduct	-37.66	
50 89 87 70-0039 LF CALTRANS 703771 42" COATED WELDED STEEL PIPE (.250" THICK)	1,249.22	141.23
For >1,000, Deduct	-62.46	
50 89 87 70-0040 LF CALTRANS 703772 42" COATED WELDED STEEL PIPE (.375" THICK)	1,249.22	141.23
For >1,000, Deduct	-62.46	
50 89 87 70-0041 LF CALTRANS 703773 48" COATED WELDED STEEL PIPE (.375" THICK)	1,434.00	159.26
For >1,000, Deduct	-71.70	
50 89 87 70-0042 EA CALTRANS 705007 12" STEEL FLARED END SECTION	522.37	73.18
50 89 87 70-0043 EA CALTRANS 705009 15" STEEL FLARED END SECTION	606.50	78.41
50 89 87 70-0044 EA CALTRANS 705011 18" STEEL FLARED END SECTION	728.03	83.64
50 89 87 70-0045 EA CALTRANS 705013 21" STEEL FLARED END SECTION	908.82	91.48
50 89 87 70-0046 EA CALTRANS 705015 24" STEEL FLARED END SECTION	1,195.42	99.32
50 89 87 70-0047 EA CALTRANS 705016 27" STEEL FLARED END SECTION	1,499.28	99.32
50 89 87 70-0048 EA CALTRANS 705019 30" STEEL FLARED END SECTION	1,808.37	112.38
50 89 87 70-0049 EA CALTRANS 705023 36" STEEL FLARED END SECTION	3,091.56	134.17
50 89 87 70-0050 EA CALTRANS 705027 42" STEEL FLARED END SECTION	3,956.21	156.53
50 89 87 70-0051 EA CALTRANS 705031 48" STEEL FLARED END SECTION	5,670.51	178.90
50 89 87 70-0052 EA CALTRANS 705035 54" STEEL FLARED END SECTION	6,277.92	223.62
50 89 87 70-0053 EA CALTRANS 705037 60" STEEL FLARED END SECTION	8,463.51	268.34
50 89 87 70-0054 EA CALTRANS 705039 66" STEEL FLARED END SECTION	9,524.39	402.51
50 89 87 70-0055 EA CALTRANS 705041 72" STEEL FLARED END SECTION	11,093.86	536.69
50 89 87 70-0056 EA CALTRANS 705057 12" BITUMINOUS COATED STEEL FLARED END SECTION	611.47	73.18
50 89 87 70-0057 EA CALTRANS 705059 15" BITUMINOUS COATED STEEL FLARED END SECTION	712.86	78.41
50 89 87 70-0058 EA CALTRANS 705061 18" BITUMINOUS COATED STEEL FLARED END SECTION	856.03	83.64
50 89 87 70-0059 EA CALTRANS 705063 21" BITUMINOUS COATED STEEL FLARED END SECTION	1,079.83	91.48
50 89 87 70-0060 EA CALTRANS 705065 24" BITUMINOUS COATED STEEL FLARED END SECTION	1,431.23	99.32
50 89 87 70-0061 EA CALTRANS 705067 27" BITUMINOUS COATED STEEL FLARED END SECTION	1,805.29	99.32
50 89 87 70-0062 EA CALTRANS 705069 30" BITUMINOUS COATED STEEL FLARED END SECTION	2,184.59	112.38
50 89 87 70-0063 EA CALTRANS 705073 36" BITUMINOUS COATED STEEL FLARED END SECTION	3,763.43	134.17
50 89 87 70-0064 EA CALTRANS 705077 42" BITUMINOUS COATED STEEL FLARED END SECTION	4,822.21	156.53
50 89 87 70-0065 EA CALTRANS 705081 48" BITUMINOUS COATED STEEL FLARED END SECTION	6,934.16	178.90
50 89 87 70-0066 EA CALTRANS 705084 54" BITUMINOUS COATED STEEL FLARED END SECTION	7,661.85	223.62
50 89 87 70-0067 EA CALTRANS 705201 12" CONCRETE FLARED END SECTION	939.19	130.26
50 89 87 70-0068 EA CALTRANS 705202 15" CONCRETE FLARED END SECTION	1,131.72	162.34
50 89 87 70-0069 EA CALTRANS 705204 18" CONCRETE FLARED END SECTION	1,373.32	205.51
50 89 87 70-0070 EA CALTRANS 705205 21" CONCRETE FLARED END SECTION	1,573.78	245.76
50 89 87 70-0071 EA CALTRANS 705206 24" CONCRETE FLARED END SECTION	1,918.67	284.44
50 89 87 70-0072 EA CALTRANS 705207 27" CONCRETE FLARED END SECTION	2,309.28	454.28
50 89 87 70-0073 EA CALTRANS 705208 30" CONCRETE FLARED END SECTION	2,399.41	625.46
50 89 87 70-0074 EA CALTRANS 705210 36" CONCRETE FLARED END SECTION	3,245.21	789.38
50 89 87 70-0075 EA CALTRANS 705212 42" CONCRETE FLARED END SECTION	3,899.59	990.41
50 89 87 70-0076 EA CALTRANS 705214 48" CONCRETE FLARED END SECTION	4,228.34	1,116.97
50 89 87 70-0077 EA CALTRANS 705216 54" CONCRETE FLARED END SECTION	4,740.58	1,251.04
50 89 87 70-0078 EA CALTRANS 705217 60" CONCRETE FLARED END SECTION	5,250.24	1,251.04
50 89 87 70-0079 EA CALTRANS 705403 21" X 15" STEEL FLARED END PIPE ARCH SECTION	772.93	83.64
50 89 87 70-0080 EA CALTRANS 705405 24" X 18" STEEL FLARED END PIPE ARCH SECTION	844.16	91.48
50 89 87 70-0081 EA CALTRANS 705407 28" X 20" STEEL FLARED END PIPE ARCH SECTION	910.40	99.32
50 89 87 70-0082 EA CALTRANS 705409 35" X 24" STEEL FLARED END PIPE ARCH SECTION	1,380.86	112.38
50 89 87 70-0083 EA CALTRANS 705411 42" X 29" STEEL FLARED END PIPE ARCH SECTION	2,658.10	134.17
50 89 87 70-0084 EA CALTRANS 705413 49" X 33" STEEL FLARED END PIPE ARCH SECTION	3,569.26	156.53
50 89 87 70-0085 EA CALTRANS 705415 57" X 38" STEEL FLARED END PIPE ARCH SECTION	5,519.82	178.90
50 89 87 70-0086 EA CALTRANS 705417 64" X 43" STEEL FLARED END PIPE ARCH SECTION	6,318.83	223.62
50 89 87 70-0087 EA CALTRANS 705419 71" X 47" STEEL FLARED END PIPE ARCH SECTION	7,632.68	268.34

50 89 87 71**EXISTING DRAINAGE FACILITIES (50 89 87)**

Note: For work on culverts, inlets, headwalls, endwalls, aprons, drains, pipes, gutters, gutter depressions, junction structures, spillways, and check dams. Includes cleaning and preparing, inspecting and evaluating, repairing, rehabilitating, and reinspecting culverts, drain pipes, conduit, risers, downdrains, median drainage inlets, and underdrains per CALTRANS Standard.

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0001 EA CALTRANS 710208 ADJUST FRAME AND COVER TO GRADE	456.91	
50 89 87 71-0002 LF CALTRANS 710360 CLEANING, INSPECTING, AND PREPARING CULVERT (LF)	56.41	
For >250 To 500, Deduct	-2.51	
For >500 To 1,000, Deduct	-5.02	
For >1,000 To 2,000, Deduct	-7.53	
For >2,000 To 5,000, Deduct	-10.04	
For >5,000, Deduct	-12.55	
50 89 87 71-0003 CY CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL	257.52	
50 89 87 71-0004 CY CALTRANS 710370 SAND BACKFILL	53.96	
For Up To 10, Add	14.36	
For >10 To 25, Add	5.40	
50 89 87 71-0005 LF CALTRANS 710372 8" CURED-IN-PLACE PIPELINER	94.00	
For >10 To 25, Add	63.03	
For >25 To 50, Add	41.64	
For >50 To 100, Add	20.82	
For >500 To 1,000, Deduct	-2.85	
For >1,000 To 2,000, Deduct	-5.25	
For >2,000 To 5,000, Deduct	-8.10	
For >5,000, Deduct	-12.91	
50 89 87 71-0006 LF CALTRANS 710374 10" CURED-IN-PLACE PIPELINER	133.93	
For >10 To 25, Add	76.48	
For >25 To 50, Add	51.63	
For >50 To 100, Add	25.81	
For >500 To 1,000, Deduct	-3.73	
For >1,000 To 2,000, Deduct	-6.98	
For >2,000 To 5,000, Deduct	-10.71	
For >5,000, Deduct	-17.22	
50 89 87 71-0007 LF CALTRANS 710376 12" CURED-IN-PLACE PIPELINER	159.70	
For >10 To 25, Add	87.36	
For >25 To 50, Add	59.34	
For >50 To 100, Add	29.67	
For >500 To 1,000, Deduct	-4.35	
For >1,000 To 2,000, Deduct	-8.18	
For >2,000 To 5,000, Deduct	-12.53	
For >5,000, Deduct	-20.19	
50 89 87 71-0008 LF CALTRANS 710378 15" CURED-IN-PLACE PIPELINER	254.45	
For >10 To 25, Add	117.37	
For >25 To 50, Add	81.95	
For >50 To 100, Add	40.97	
For >500 To 1,000, Deduct	-6.40	
For >1,000 To 2,000, Deduct	-12.21	
For >2,000 To 5,000, Deduct	-18.61	
For >5,000, Deduct	-30.22	
50 89 87 71-0009 LF CALTRANS 710380 18" CURED-IN-PLACE PIPELINER	305.16	
For >10 To 25, Add	137.00	
For >25 To 50, Add	96.11	
For >50 To 100, Add	48.05	
For >500 To 1,000, Deduct	-7.59	
For >1,000 To 2,000, Deduct	-14.50	
For >2,000 To 5,000, Deduct	-22.09	
For >5,000, Deduct	-35.91	
50 89 87 71-0010 LF CALTRANS 710382 21" CURED-IN-PLACE PIPELINER	394.69	
For >10 To 25, Add	164.44	
For >25 To 50, Add	116.94	
For >50 To 100, Add	58.47	
For >500 To 1,000, Deduct	-9.50	
For >1,000 To 2,000, Deduct	-18.27	
For >2,000 To 5,000, Deduct	-27.77	
For >5,000, Deduct	-45.32	
50 89 87 71-0011 LF CALTRANS 710384 24" CURED-IN-PLACE PIPELINER	496.30	
For >10 To 25, Add	195.83	
For >25 To 50, Add	140.72	
For >50 To 100, Add	70.36	
For >500 To 1,000, Deduct	-11.68	
For >1,000 To 2,000, Deduct	-22.56	
For >2,000 To 5,000, Deduct	-34.24	
For >5,000, Deduct	-56.01	
50 89 87 71-0012 LF CALTRANS 710386 27" CURED-IN-PLACE PIPELINER	662.86	
For >10 To 25, Add	248.88	
For >25 To 50, Add	180.62	
For >50 To 100, Add	90.31	
For >500 To 1,000, Deduct	-15.29	
For >1,000 To 2,000, Deduct	-29.66	
For >2,000 To 5,000, Deduct	-44.95	
For >5,000, Deduct	-73.68	
50 89 87 71-0013 LF CALTRANS 710388 30" CURED-IN-PLACE PIPELINER	738.34	
For >10 To 25, Add	276.90	
For >25 To 50, Add	201.01	
For >50 To 100, Add	100.50	
For >500 To 1,000, Deduct	-17.02	
For >1,000 To 2,000, Deduct	-33.02	
For >2,000 To 5,000, Deduct	-50.04	
For >5,000, Deduct	-82.04	



Custom Standards And Assemblies			50
CALTRANS Custom Standards And Assemblies			50 89
CALTRANS Construction Performance Requirements			50 89 80

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0014 LF CALTRANS 710390 36" CURED-IN-PLACE PIPELINER	886.24	
For >10 To 25, Add	325.26	
For >25 To 50, Add	237.17	
For >50 To 100, Add	118.58	
For >500 To 1,000, Deduct	-20.26	
For >1,000 To 2,000, Deduct	-39.37	
For >2,000 To 5,000, Deduct	-59.63	
For >5,000, Deduct	-97.84	
50 89 87 71-0015 LF CALTRANS 710392 42" CURED-IN-PLACE PIPELINER	1,035.69	
For >10 To 25, Add	377.50	
For >25 To 50, Add	275.65	
For >50 To 100, Add	137.82	
For >500 To 1,000, Deduct	-23.61	
For >1,000 To 2,000, Deduct	-45.91	
For >2,000 To 5,000, Deduct	-69.52	
For >5,000, Deduct	-114.11	
50 89 87 71-0016 LF CALTRANS 710394 48" CURED-IN-PLACE PIPELINER	1,187.36	
For >10 To 25, Add	435.31	
For >25 To 50, Add	317.47	
For >50 To 100, Add	158.74	
For >500 To 1,000, Deduct	-27.13	
For >1,000 To 2,000, Deduct	-52.73	
For >2,000 To 5,000, Deduct	-79.86	
For >5,000, Deduct	-131.04	
50 89 87 71-0017 LF CALTRANS 710396 54" CURED-IN-PLACE PIPELINER	1,554.25	
For >10 To 25, Add	562.78	
For >25 To 50, Add	411.51	
For >50 To 100, Add	205.75	
For >500 To 1,000, Deduct	-35.34	
For >1,000 To 2,000, Deduct	-68.75	
For >2,000 To 5,000, Deduct	-104.10	
For >5,000, Deduct	-170.91	
50 89 87 71-0018 LF CALTRANS 710398 60" CURED-IN-PLACE PIPELINER	1,980.16	
For >10 To 25, Add	732.80	
For >25 To 50, Add	533.40	
For >50 To 100, Add	266.70	
For >500 To 1,000, Deduct	-45.42	
For >1,000 To 2,000, Deduct	-88.19	
For >2,000 To 5,000, Deduct	-133.60	
For >5,000, Deduct	-219.15	
50 89 87 71-0019 LF CALTRANS 710400 18" DEFORMED/RE-FORMED HDPE PIPELINER	188.06	
For >500 To 1,000, Deduct	-1.62	
For >1,000 To 2,000, Deduct	-3.24	
For >2,000, Deduct	-6.49	
50 89 87 71-0020 LF CALTRANS 710402 21" DEFORMED/RE-FORMED HDPE PIPELINER	212.48	
For >500 To 1,000, Deduct	-1.76	
For >1,000 To 2,000, Deduct	-3.51	
For >2,000, Deduct	-7.03	
50 89 87 71-0021 LF CALTRANS 710404 24" DEFORMED/RE-FORMED HDPE PIPELINER	258.49	
For >500 To 1,000, Deduct	-1.92	
For >1,000 To 2,000, Deduct	-3.83	
For >2,000, Deduct	-7.67	
50 89 87 71-0022 LF CALTRANS 710434 12" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	32.39	
50 89 87 71-0023 LF CALTRANS 710436 15" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	48.64	
50 89 87 71-0024 LF CALTRANS 710438 18" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	65.55	
50 89 87 71-0025 LF CALTRANS 710440 21" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	81.33	
50 89 87 71-0026 LF CALTRANS 710442 24" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	106.60	
50 89 87 71-0027 LF CALTRANS 710444 27" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	127.96	
50 89 87 71-0028 LF CALTRANS 710446 30" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	146.49	
50 89 87 71-0029 LF CALTRANS 710448 12" CEMENTITIOUS PIPELINER	79.83	
50 89 87 71-0030 LF CALTRANS 710450 15" CEMENTITIOUS PIPELINER	89.79	
50 89 87 71-0031 LF CALTRANS 710452 18" CEMENTITIOUS PIPELINER	95.77	
50 89 87 71-0032 LF CALTRANS 710454 21" CEMENTITIOUS PIPELINER	102.78	
50 89 87 71-0033 LF CALTRANS 710456 24" CEMENTITIOUS PIPELINER	109.65	
50 89 87 71-0034 LF CALTRANS 710458 27" CEMENTITIOUS PIPELINER	115.17	
50 89 87 71-0035 LF CALTRANS 710460 30" CEMENTITIOUS PIPELINER	120.51	
50 89 87 71-0036 LF CALTRANS 710462 36" CEMENTITIOUS PIPELINER	115.40	
50 89 87 71-0037 LF CALTRANS 710478 36" WELDED STEEL PIPELINER	740.99	
50 89 87 71-0038 LF CALTRANS 710480 42" WELDED STEEL PIPELINER	855.07	
50 89 87 71-0039 LF CALTRANS 710482 48" WELDED STEEL PIPELINER	972.28	
50 89 87 71-0040 LF CALTRANS 710484 54" WELDED STEEL PIPELINER	1,186.31	
50 89 87 71-0041 LF CALTRANS 710486 60" WELDED STEEL PIPELINER	1,283.60	
50 89 87 71-0042 LF CALTRANS 710488 66" WELDED STEEL PIPELINER	1,402.21	
50 89 87 71-0043 LF CALTRANS 710490 72" WELDED STEEL PIPELINER	1,674.13	
50 89 87 71-0044 LF CALTRANS 710491 78" WELDED STEEL PIPELINER	1,766.69	
50 89 87 71-0045 LF CALTRANS 710492 84" WELDED STEEL PIPELINER	1,870.57	
50 89 87 71-0046 LF CALTRANS 710494 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 42" X 29")	475.31	
50 89 87 71-0047 LF CALTRANS 710496 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 49" X 33")	594.43	
50 89 87 71-0048 LF CALTRANS 710498 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 57" X 38")	741.06	
50 89 87 71-0049 LF CALTRANS 710500 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 64" X 43")	894.17	
50 89 87 71-0050 LF CALTRANS 710512 42" X 29" WELDED STEEL PIPELINER (ARCH)	822.37	
50 89 87 71-0051 LF CALTRANS 710514 49" X 33" WELDED STEEL PIPELINER (ARCH)	948.34	
50 89 87 71-0052 LF CALTRANS 710516 57" X 38" WELDED STEEL PIPELINER (ARCH)	1,078.00	
50 89 87 71-0053 LF CALTRANS 710518 64" X 43" WELDED STEEL PIPELINER (ARCH)	1,321.68	
50 89 87 71-0054 LF CALTRANS 710520 71" X 47" WELDED STEEL PIPELINER (ARCH)	1,427.87	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0055 LF CALTRANS 710522 83" X 57" WELDED STEEL PIPELINER (ARCH)	1,873.97	
50 89 87 71-0056 LF CALTRANS 710524 HDPE PLASTIC PIPELINER (16" OD SDR 32.5)	97.16	
50 89 87 71-0057 LF CALTRANS 710526 HDPE PLASTIC PIPELINER (18" OD SDR 32.5)	122.17	
50 89 87 71-0058 LF CALTRANS 710528 HDPE PLASTIC PIPELINER (20" OD SDR 32.5)	150.72	
50 89 87 71-0059 LF CALTRANS 710530 HDPE PLASTIC PIPELINER (22" OD SDR 32.5)	174.16	
50 89 87 71-0060 LF CALTRANS 710532 HDPE PLASTIC PIPELINER (24" OD SDR 32.5)	199.72	
50 89 87 71-0061 LF CALTRANS 710534 HDPE PLASTIC PIPELINER (26" OD SDR 32.5)	228.51	
50 89 87 71-0062 LF CALTRANS 710536 HDPE PLASTIC PIPELINER (28" OD SDR 32.5)	258.34	
50 89 87 71-0063 LF CALTRANS 710538 HDPE PLASTIC PIPELINER (30" OD SDR 32.5)	300.47	
50 89 87 71-0064 LF CALTRANS 710540 HDPE PLASTIC PIPELINER (32" OD SDR 32.5)	344.71	
50 89 87 71-0065 LF CALTRANS 710542 HDPE PLASTIC PIPELINER (34" OD SDR 32.5)	381.66	
50 89 87 71-0066 LF CALTRANS 710544 HDPE PLASTIC PIPELINER (36" OD SDR 32.5)	418.61	
50 89 87 71-0067 LF CALTRANS 710546 HDPE PLASTIC PIPELINER (39.5" OD SDR 32.5)	480.27	
50 89 87 71-0068 LF CALTRANS 710548 HDPE PLASTIC PIPELINER (42" OD SDR 32.5)	541.94	
50 89 87 71-0069 LF CALTRANS 710550 HDPE PLASTIC PIPELINER (48" OD SDR 32.5)	702.90	
50 89 87 71-0070 LF CALTRANS 710552 HDPE PLASTIC PIPELINER (54" OD SDR 32.5)	861.79	
50 89 87 71-0071 LF CALTRANS 710554 HDPE PLASTIC PIPELINER (55.3" OD SDR 32.5)	910.26	
50 89 87 71-0072 LF CALTRANS 710556 HDPE PLASTIC PIPELINER (63.2" OD SDR 32.5)	1,145.61	
50 89 87 71-0073 LF CALTRANS 710558 HDPE PLASTIC PIPELINER (16" OD SDR 26)	117.36	
50 89 87 71-0074 LF CALTRANS 710660 HDPE PLASTIC PIPELINER (18" OD SDR 26)	147.59	
50 89 87 71-0075 LF CALTRANS 710662 HDPE PLASTIC PIPELINER (20" OD SDR 26)	182.43	
50 89 87 71-0076 LF CALTRANS 710664 HDPE PLASTIC PIPELINER (22" OD SDR 26)	210.93	
50 89 87 71-0077 LF CALTRANS 710666 HDPE PLASTIC PIPELINER (24" OD SDR 26)	242.08	
50 89 87 71-0078 LF CALTRANS 710668 HDPE PLASTIC PIPELINER (26" OD SDR 26)	277.22	
50 89 87 71-0079 LF CALTRANS 710670 HDPE PLASTIC PIPELINER (28" OD SDR 26)	313.65	
50 89 87 71-0080 LF CALTRANS 710672 HDPE PLASTIC PIPELINER (30" OD SDR 26)	365.33	
50 89 87 71-0081 LF CALTRANS 710674 HDPE PLASTIC PIPELINER (32" OD SDR 26)	419.63	
50 89 87 71-0082 LF CALTRANS 710766 HDPE PLASTIC PIPELINER (34" OD SDR 26)	464.89	
50 89 87 71-0083 LF CALTRANS 710768 HDPE PLASTIC PIPELINER (36" OD SDR 26)	510.15	
50 89 87 71-0084 LF CALTRANS 710770 HDPE PLASTIC PIPELINER (39.5" OD SDR 26)	586.05	
50 89 87 71-0085 LF CALTRANS 710772 HDPE PLASTIC PIPELINER (42" OD SDR 26)	661.96	
50 89 87 71-0086 LF CALTRANS 710774 HDPE PLASTIC PIPELINER (48" OD SDR 26)	861.00	
50 89 87 71-0087 LF CALTRANS 710776 HDPE PLASTIC PIPELINER (54" OD SDR 26)	1,057.46	
50 89 87 71-0088 LF CALTRANS 710778 HDPE PLASTIC PIPELINER (55.3" OD SDR 26)	1,117.00	
50 89 87 71-0089 LF CALTRANS 710780 HDPE PLASTIC PIPELINER (63.2" OD SDR 26)	1,407.72	
50 89 87 71-0090 LF CALTRANS 710882 HDPE PLASTIC PIPELINER (16" OD SDR 21)	143.44	
50 89 87 71-0091 LF CALTRANS 710884 HDPE PLASTIC PIPELINER (18" OD SDR 21)	180.42	
50 89 87 71-0092 LF CALTRANS 710886 HDPE PLASTIC PIPELINER (20" OD SDR 21)	223.39	
50 89 87 71-0093 LF CALTRANS 710888 HDPE PLASTIC PIPELINER (22" OD SDR 21)	258.44	
50 89 87 71-0094 LF CALTRANS 710890 HDPE PLASTIC PIPELINER (24" OD SDR 21)	296.78	
50 89 87 71-0095 LF CALTRANS 710891 HDPE PLASTIC PIPELINER (26" OD SDR 21)	340.13	
50 89 87 71-0096 LF CALTRANS 710892 HDPE PLASTIC PIPELINER (28" OD SDR 21)	385.09	
50 89 87 71-0097 LF CALTRANS 710893 HDPE PLASTIC PIPELINER (30" OD SDR 21)	449.11	
50 89 87 71-0098 LF CALTRANS 710894 HDPE PLASTIC PIPELINER (32" OD SDR 21)	516.40	
50 89 87 71-0099 LF CALTRANS 710895 HDPE PLASTIC PIPELINER (34" OD SDR 21)	572.39	
50 89 87 71-0100 LF CALTRANS 710896 HDPE PLASTIC PIPELINER (36" OD SDR 21)	628.39	
50 89 87 71-0101 LF CALTRANS 710897 HDPE PLASTIC PIPELINER (39.5" OD SDR 21)	722.68	
50 89 87 71-0102 LF CALTRANS 710898 HDPE PLASTIC PIPELINER (42" OD SDR 21)	816.99	
50 89 87 71-0103 LF CALTRANS 710899 HDPE PLASTIC PIPELINER (48" OD SDR 21)	1,065.21	
50 89 87 71-0104 LF CALTRANS 710900 HDPE PLASTIC PIPELINER (54" OD SDR 21)	1,310.01	
50 89 87 71-0105 LF CALTRANS 710902 HDPE PLASTIC PIPELINER (55.3" OD SDR 21)	1,384.05	
50 89 87 71-0106 LF CALTRANS 710904 HDPE PLASTIC PIPELINER (63.2" OD SDR 21)	1,746.28	

50 89 88 CALTRANS DIVISION VIII - MISCELLANEOUS CONSTRUCTION (50 89 80)**50 89 88 73 CONCRETE CURBS AND SIDEWALKS (50 89 88)**

50 89 88 73-0001 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 18"	30.80
For Up To 20, Add	18.61
For >20 To 50, Add	10.55
For >50 To 100, Add	4.03
For >500 To 1,000, Deduct	-4.03
For >1,000, Deduct	-6.81
50 89 88 73-0002 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 24"	35.40
For Up To 20, Add	20.77
For >20 To 50, Add	11.75
For >50 To 100, Add	4.51
For >500 To 1,000, Deduct	-4.51
For >1,000, Deduct	-7.65
50 89 88 73-0003 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 18"	32.49
For Up To 20, Add	19.03
For >20 To 50, Add	10.77
For >50 To 100, Add	4.13
For >500 To 1,000, Deduct	-4.13
For >1,000, Deduct	-7.01
50 89 88 73-0004 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 24"	37.64
For Up To 20, Add	21.21
For >20 To 50, Add	11.98
For >50 To 100, Add	4.62
For >500 To 1,000, Deduct	-4.62
For >1,000, Deduct	-7.87



Custom Standards And Assemblies		50
CALTRANS Custom Standards And Assemblies		50 89
CALTRANS Construction Performance Requirements		50 89 80

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 73-0005 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 36"	52.36	
For Up To 20, Add	28.95	
For >20 To 50, Add	16.32	
For >50 To 100, Add	6.31	
For >500 To 1,000, Deduct	-6.31	
For >1,000, Deduct	-10.78	
50 89 88 73-0006 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 24"	45.56	
For Up To 20, Add	24.51	
For >20 To 50, Add	13.79	
For >50 To 100, Add	5.36	
For >500 To 1,000, Deduct	-5.36	
For >1,000, Deduct	-9.17	
50 89 88 73-0007 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 36"	64.13	
For Up To 20, Add	33.82	
For >20 To 50, Add	19.01	
For >50 To 100, Add	7.40	
For >500 To 1,000, Deduct	-7.40	
For >1,000, Deduct	-12.71	
50 89 88 73-0008 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 18"	40.50	
For Up To 20, Add	27.53	
For >20 To 50, Add	15.38	
For >50 To 100, Add	6.08	
For >500 To 1,000, Deduct	-5.25	
For >1,000, Deduct	-8.89	
50 89 88 73-0009 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 24"	49.03	
For Up To 20, Add	33.31	
For >20 To 50, Add	18.60	
For >50 To 100, Add	7.35	
For >500 To 1,000, Deduct	-6.35	
For >1,000, Deduct	-10.74	
50 89 88 73-0010 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 30"	63.96	
For Up To 20, Add	43.49	
For >20 To 50, Add	24.30	
For >50 To 100, Add	9.59	
For >500 To 1,000, Deduct	-8.31	
For >1,000, Deduct	-14.07	
50 89 88 73-0011 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 36"	67.35	
For Up To 20, Add	45.77	
For >20 To 50, Add	25.56	
For >50 To 100, Add	10.10	
For >500 To 1,000, Deduct	-8.72	
For >1,000, Deduct	-14.77	
50 89 88 73-0012 SF CALTRANS 730070 DETECTABLE WARNING SURFACE	57.95	
50 89 88 73-0013 CY CALTRANS 731502 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	218.99	
For Up To 20, Add	14.80	
For >20 To 50, Add	5.55	
For >100 To 200, Deduct	-4.38	
For >200 To 400, Deduct	-8.76	
For >400, Deduct	-13.14	
50 89 88 73-0014 SF CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 4"	10.60	
For Up To 100, Add	4.60	
For >100 To 500, Add	1.31	
For >1,000 To 5,000, Deduct	-0.78	
For >5,000, Deduct	-1.70	
50 89 88 73-0015 SF CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 6"	12.43	
For Up To 100, Add	5.21	
For >100 To 500, Add	1.46	
For >1,000 To 5,000, Deduct	-0.84	
For >5,000, Deduct	-1.88	
50 89 88 73-0016 LF CALTRANS 731700 REMOVE CURB	12.75	
50 89 88 73-0017 LF CALTRANS 731710 REMOVE CONCRETE CURB (LF)	20.53	
For Up To 20, Add	14.37	
For >20 To 50, Add	8.21	
For >50 To 100, Add	3.08	
For >500 To 1,000, Deduct	-3.08	
For >1,000, Deduct	-5.13	
50 89 88 73-0018 SY CALTRANS 731780 REMOVE CONCRETE SIDEWALK (SQYD)	111.91	
For Up To 100, Add	46.87	
For >100 To 500, Add	13.15	
For >1,000 To 5,000, Deduct	-7.56	
For >5,000, Deduct	-16.93	
50 89 88 73-0019 LF CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER)	33.74	
For Up To 20, Add	23.62	
For >20 To 50, Add	13.50	
For >50 To 100, Add	5.06	
For >500 To 1,000, Deduct	-5.06	
For >1,000, Deduct	-8.44	

50 89 88 78 INCIDENTAL CONSTRUCTION (50 89 88)

50 89 88 78-0001 EA CALTRANS 780210 SURVEY MONUMENT (TYPE A)	640.47
50 89 88 78-0002 EA CALTRANS 780250 ADJUST MONUMENT COVER TO GRADE	251.58
50 89 88 78-0003 SF CALTRANS 780433 PAINT CURB (2-COAT)	6.23

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 78-0004 SF CALTRANS 780460 ANTI-GRAFFITI COATING	1.96	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
50 89 88 78-0005 EA CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE)	108.39	23.35
50 89 88 80 FENCES (50 89 88)		
Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRANS Standard.		
50 89 88 80-0001 LF CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST)	13.20	
50 89 88 80-0002 LF CALTRANS 800006 FENCE (TYPE BW, 6-STRAND, WOOD POST)	14.04	
50 89 88 80-0003 LF CALTRANS 800007 FENCE (TYPE BW, 5-STRAND, METAL POST)	16.58	
50 89 88 80-0004 LF CALTRANS 800008 FENCE (TYPE BW, 4-STRAND, METAL POST)	15.37	
50 89 88 80-0005 LF CALTRANS 800010 FENCE (TYPE BW, 4-STRAND, WOOD POST)	12.37	
50 89 88 80-0006 LF CALTRANS 800016 FENCE (TYPE BW, 6-STRAND, METAL POST)	17.41	
50 89 88 80-0007 LF CALTRANS 800103 TEMPORARY FENCE (TEMPORARY FENCE (TYPE CL-6))	8.53	
50 89 88 80-0008 LF CALTRANS 800302 CHAIN LINK FENCE (TYPE CL-3, VINYL-CLAD)	47.68	
For Up To 100, Add	8.99	
For >100 To 250, Add	3.30	
For >2,500 To 5,000, Deduct	-1.65	
For >5,000, Deduct	-3.30	
50 89 88 80-0009 LF CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5)	46.21	
For Up To 100, Add	8.74	
For >100 To 250, Add	3.22	
For >2,500 To 5,000, Deduct	-1.61	
For >5,000, Deduct	-3.22	
50 89 88 80-0010 LF CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4)	47.75	
For Up To 100, Add	9.00	
For >100 To 250, Add	3.31	
For >2,500 To 5,000, Deduct	-1.65	
For >5,000, Deduct	-3.31	
50 89 88 80-0011 LF CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD)	49.39	
For Up To 100, Add	9.25	
For >100 To 250, Add	3.39	
For >2,500 To 5,000, Deduct	-1.69	
For >5,000, Deduct	-3.39	
50 89 88 80-0012 LF CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5)	51.32	
For Up To 100, Add	9.60	
For >100 To 250, Add	3.51	
For >2,500 To 5,000, Deduct	-1.76	
For >5,000, Deduct	-3.51	
50 89 88 80-0013 LF CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD)	53.39	
For Up To 100, Add	9.91	
For >100 To 250, Add	3.62	
For >2,500 To 5,000, Deduct	-1.81	
For >5,000, Deduct	-3.62	
50 89 88 80-0014 LF CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6)	55.56	
For Up To 100, Add	10.35	
For >100 To 250, Add	3.79	
For >2,500 To 5,000, Deduct	-1.89	
For >5,000, Deduct	-3.79	
50 89 88 80-0015 LF CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD)	59.77	
For Up To 100, Add	10.99	
For >100 To 250, Add	4.00	
For >2,500 To 5,000, Deduct	-2.00	
For >5,000, Deduct	-4.00	
50 89 88 80-0016 LF CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM)	57.44	
For Up To 100, Add	10.64	
For >100 To 250, Add	3.88	
For >2,500 To 5,000, Deduct	-1.94	
For >5,000, Deduct	-3.88	
50 89 88 80-0017 LF CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED)	118.84	
For Up To 100, Add	20.35	
For >100 To 250, Add	7.20	
For >2,500 To 5,000, Deduct	-3.60	
For >5,000, Deduct	-7.20	
50 89 88 80-0018 LF CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8)	65.39	
For Up To 100, Add	12.04	
For >100 To 250, Add	4.39	
For >2,500 To 5,000, Deduct	-2.19	
For >5,000, Deduct	-4.39	
50 89 88 80-0019 EA CALTRANS 802100 4' CHAIN LINK GATE (TYPE CL-4)	498.84	
50 89 88 80-0020 EA CALTRANS 802110 5' CHAIN LINK GATE (TYPE CL-4)	591.24	
50 89 88 80-0021 EA CALTRANS 802120 6' CHAIN LINK GATE (TYPE CL-4)	695.15	
50 89 88 80-0022 EA CALTRANS 802180 12' CHAIN LINK GATE (TYPE CL-4)	1,692.94	
50 89 88 80-0023 EA CALTRANS 802340 8' CHAIN LINK GATE (TYPE CL-5)	1,055.92	
50 89 88 80-0024 EA CALTRANS 802400 14' CHAIN LINK GATE (TYPE CL-5)	2,399.76	
50 89 88 80-0025 EA CALTRANS 802420 16' CHAIN LINK GATE (TYPE CL-5)	2,767.39	
50 89 88 80-0026 EA CALTRANS 802440 18' CHAIN LINK GATE (TYPE CL-5)	3,093.86	
50 89 88 80-0027 EA CALTRANS 802500 3' CHAIN LINK GATE (TYPE CL-6)	507.46	
50 89 88 80-0028 EA CALTRANS 802501 4' CHAIN LINK GATE (TYPE CL-6)	645.93	
50 89 88 80-0029 EA CALTRANS 802502 4' CHAIN LINK GATE (TYPE CL-6, VINYL-CLAD)	293.75	
50 89 88 80-0030 EA CALTRANS 802503 4' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	665.00	
50 89 88 80-0031 EA CALTRANS 802504 4' CHAIN LINK GATE (TYPE CL-6, SLATTED)	684.75	



Custom Standards And Assemblies		50
CALTRANS Custom Standards And Assemblies		50 89
CALTRANS Construction Performance Requirements		50 89 80

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 80-0032 EA CALTRANS 802510 5' CHAIN LINK GATE (TYPE CL-6).....	757.37	
50 89 88 80-0033 EA CALTRANS 802520 6' CHAIN LINK GATE (TYPE CL-6).....	878.99	
50 89 88 80-0034 EA CALTRANS 802540 8' CHAIN LINK GATE (TYPE CL-6).....	1,127.88	
50 89 88 80-0035 EA CALTRANS 802543 8' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	1,148.66	
50 89 88 80-0036 EA CALTRANS 802550 9' CHAIN LINK GATE (TYPE CL-6).....	1,250.31	
50 89 88 80-0037 EA CALTRANS 802560 10' CHAIN LINK GATE (TYPE CL-6).....	1,860.57	
50 89 88 80-0038 EA CALTRANS 802580 12' CHAIN LINK GATE (TYPE CL-6).....	2,208.97	
50 89 88 80-0039 EA CALTRANS 802601 14' CHAIN LINK GATE (TYPE CL-6).....	2,619.96	
50 89 88 80-0040 EA CALTRANS 802620 16' CHAIN LINK GATE (TYPE CL-6).....	2,973.94	
50 89 88 80-0041 EA CALTRANS 802640 18' CHAIN LINK GATE (TYPE CL-6).....	3,337.68	
50 89 88 80-0042 EA CALTRANS 802660 20' CHAIN LINK GATE (TYPE CL-6).....	3,706.01	
50 89 88 80-0043 EA CALTRANS 802670 24' CHAIN LINK GATE (TYPE CL-6).....	4,453.32	
50 89 88 80-0044 EA CALTRANS 802840 18' CHAIN LINK GATE (TYPE CL-7).....	3,521.37	
50 89 88 80-0045 LF CALTRANS 802900 CHAIN LINK FENCE (TYPE CL-8, EXTENSION ARM)	67.26	
For Up To 100, Add	12.32	
For >100 To 250, Add	4.48	
For >2,500 To 5,000, Deduct	-2.24	
For >5,000, Deduct	-4.48	
50 89 88 80-0046 EA CALTRANS 802901 4' CHAIN LINK GATE (TYPE CL-8).....	798.57	
50 89 88 80-0047 EA CALTRANS 802902 4' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	817.64	
50 89 88 80-0048 EA CALTRANS 802920 6' CHAIN LINK GATE (TYPE CL-8).....	1,070.23	
50 89 88 80-0049 EA CALTRANS 802941 8' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	1,388.78	
50 89 88 80-0050 EA CALTRANS 803010 14' CHAIN LINK GATE (TYPE CL-10, VINYL_CLAD).....	1,631.72	
50 89 88 80-0051 LF CALTRANS 803050 REMOVE CHAIN LINK FENCE.....	6.82	
For Up To 100, Add	1.71	
For >100 To 250, Add	0.68	
For >2,500 To 5,000, Deduct	-0.34	
For >5,000, Deduct	-0.68	
50 89 88 80-0052 EA CALTRANS 803060 REMOVE GATE.....	302.68	
50 89 88 80-0053 EA CALTRANS 803160 RESET GATE.....	1,492.10	
50 89 88 80-0054 LF CALTRANS 803180 RELOCATE CHAIN LINK FENCE.....	31.31	

50 89 89 CALTRANS DIVISION IX - TRAFFIC CONTROL DEVICES (50 89 80)**50 89 89 81 MISCELLANEOUS TRAFFIC CONTROL DEVICES (50 89 89)**

50 89 89 81-0001 EA CALTRANS 810120 REMOVE PAVEMENT MARKER	2.83	
For >100, Deduct	-0.28	
50 89 89 81-0002 EA CALTRANS 810220 PAVEMENT MARKER (NON-REFLECTIVE).....	7.62	2.83
For >100, Deduct	-0.76	
For >100, Deduct	-0.76	
50 89 89 81-0003 EA CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE).....	8.82	2.83
For >100, Deduct	-0.88	
For >100, Deduct	-0.88	
50 89 89 81-0004 EA CALTRANS 810250 PAVEMENT MARKER (RETROREFLECTIVE-RECESSED).....	81.47	34.04

50 89 89 82 SIGNS AND MARKERS (50 89 89)

50 89 89 82-0001 EA CALTRANS 820110 MILEPOST MARKER	209.40	
50 89 89 82-0002 SF CALTRANS 820750 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	25.94	39.63
50 89 89 82-0003 SF CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	26.68	25.65

50 89 89 83 RAILINGS AND BARRIERS (50 89 89)

50 89 89 83-0001 LF CALTRANS 832006 MIDWEST GUARDRAIL SYSTEM (STEEL POST).....	63.89	11.20
50 89 89 83-0002 LF CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST).....	127.83	16.44
50 89 89 83-0003 LF CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST)	147.06	3.07
50 89 89 83-0004 LF CALTRANS 839752 REMOVE GUARDRAIL	11.20	

50 89 89 84 MARKINGS (50 89 89)

50 89 89 84-0001 LF CALTRANS 840505 6" THERMOPLASTIC TRAFFIC STRIPE	2.14	
For Up To 5,000 LF, Add	0.43	
For >25,000 LF, Deduct	-0.32	
50 89 89 84-0002 LF CALTRANS 840506 8" THERMOPLASTIC TRAFFIC STRIPE	2.83	
For Up To 5,000 LF, Add	0.57	
For >25,000 LF, Deduct	-0.42	
50 89 89 84-0003 LF CALTRANS 840507 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 8-4)	1.28	
For Up To 5,000 LF, Add	0.26	
For >25,000 LF, Deduct	-0.19	
50 89 89 84-0004 LF CALTRANS 840508 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	1.10	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.17	
50 89 89 84-0005 SF CALTRANS 840515 THERMOPLASTIC PAVEMENT MARKING	10.33	
50 89 89 84-0006 SF CALTRANS 840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING.....	10.33	
50 89 89 84-0007 LF CALTRANS 840522 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1)	0.73	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
50 89 89 84-0008 LF CALTRANS 840528 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	0.84	
For Up To 5,000 LF, Add	0.17	
For >25,000 LF, Deduct	-0.13	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0009 LF CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	0.99	
For Up To 5,000 LF, Add	0.20	
For >25,000 LF, Deduct	-0.15	
50 89 89 84-0010 LF CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7).....	1.13	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.17	
50 89 89 84-0011 LF CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12).....	1.57	
For Up To 5,000 LF, Add	0.31	
For >25,000 LF, Deduct	-0.24	
50 89 89 84-0012 LF CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	1.29	
For Up To 5,000 LF, Add	0.26	
For >25,000 LF, Deduct	-0.19	
50 89 89 84-0013 LF CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE	0.79	
For Up To 5,000 LF, Add	0.16	
For >25,000 LF, Deduct	-0.12	
50 89 89 84-0014 LF CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE	0.97	
For Up To 5,000 LF, Add	0.19	
For >25,000 LF, Deduct	-0.15	
50 89 89 84-0015 LF CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3).....	0.55	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0016 LF CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1).....	0.50	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0017 LF CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3).....	0.54	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0018 LF CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.42	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
50 89 89 84-0019 LF CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7).....	0.54	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0020 LF CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12).....	0.62	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
50 89 89 84-0021 LF CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4).....	0.54	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0022 LF CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.68	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.10	
50 89 89 84-0023 SF CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING	8.72	
50 89 89 84-0024 SF CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS.....	7.21	
50 89 89 84-0025 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide	0.34	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
50 89 89 84-0026 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide	0.43	
For Up To 5,000 LF, Add	0.09	
For >25,000 LF, Deduct	-0.06	
50 89 89 84-0027 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide	0.55	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0028 LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide	0.67	
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.10	
50 89 89 84-0029 LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide	0.84	
For Up To 5,000 LF, Add	0.17	
For >25,000 LF, Deduct	-0.13	
50 89 89 84-0030 LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide	1.09	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.16	
50 89 89 84-0031 SF CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT)	7.12	
50 89 89 84-0032 SF CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT)	10.82	
50 89 89 84-0033 LF CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE.....	2.32	
For Up To 250, Add	1.16	
For >250 To 1,000, Add	0.58	
For >5,000 To 10,000, Deduct	-0.35	
For >10,000 To 25,000, Deduct	-0.58	
For >25,000 To 50,000, Deduct	-0.81	
For >50,000, Deduct	-0.93	
50 89 89 84-0034 SF CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING	3.99	
For Up To 250, Add	2.00	
For >250 To 1,000, Add	1.00	
For >5,000 To 10,000, Deduct	-0.60	
For >10,000 To 25,000, Deduct	-1.00	
For >25,000 To 50,000, Deduct	-1.40	
For >50,000, Deduct	-1.60	
50 89 89 84-0035 LF CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE.....	3.52	
For Up To 250, Add	1.76	
For >250 To 1,000, Add	0.88	
For >5,000 To 10,000, Deduct	-0.53	
For >10,000 To 25,000, Deduct	-0.88	
For >25,000 To 50,000, Deduct	-1.23	
For >50,000, Deduct	-1.41	



Custom Standards And Assemblies		50
CALTRANS Custom Standards And Assemblies		50 89
CALTRANS Construction Performance Requirements		50 89 80

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
50 89 89 84-0036	SF CALTRANS 846035 REMOVE THERMOPLASTIC PAVEMENT MARKING	5.09		
	For Up To 250, Add	2.55		
	For >250 To 1,000, Add	1.27		
	For >5,000 To 10,000, Deduct	-0.76		
	For >10,000 To 25,000, Deduct	-1.27		
	For >25,000 To 50,000, Deduct	-1.78		
	For >50,000, Deduct	-2.04		

END OF SECTION 50

50	50	Custom Standards And Assemblies	
	50 89	CALTRANS Custom Standards And Assemblies	
	50 89 80	CALTRANS Construction Performance Requirements	



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST

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