



MICHAEL BEATON
DIRECTOR

County of Santa Cruz



GENERAL SERVICES DEPARTMENT

GENERAL AND EMERGENCY SERVICES
701 OCEAN STREET, SUITE 330, SANTA CRUZ, CA 95060-4073
(831) 454-2210 FAX: (831) 454-2710 TDD/TTY: 711

ADDENDUM # 2

MICROWAVE DECOMMISSIONING & NEW INSTALLATION

Issued December 22, 2022

This addendum (#1) is being issued in response to general inquiries and to provide clarification and correction to the Construction Documents for the above project. These changes are hereby made a part of the Construction Documents to the same extent as though it were originally included therein.

Supporting Documents "Volume #02 Plans - Specifications - Scope - Photographs – Other" have been updated identifying new Bid Submittal Date to January 4th 2023 at 2:30 pm. In addition, document was updated to remove previous page 22 identifying a price sheet. **Exhibit A Volume #02 Plans - Specifications - Scope - Photographs – Other Updated**

Clarifications: The following questions were received with the clarifying responses.

1. Please confirm if there is -48VDC power and Dehydrator with manifold ports available at the new Mt Madonna shelter or does it need to be moved from Fire House #2?

Response: The installation will need a new one.

2. Would the County of Santa Cruz consider any alternative options to Exhibit E with regards the antenna sizes or bands listed in the scope of work summary?

Response: Yes, per County approval from The County.

3. The document "3_CUPCCAA BID PROPOSAL 23C1-003" states on page 5 that Phase 1 is to decommission Fire House #2 but document "2_CUPCCAA Supporting Docs 23C1-003" states on page 18 under the High-level requirements in execution as item 5 comes later, please confirm which is correct?

Response: 2_CUPCCAA Supporting Docs 23C1-003 is correct to reflect that the 1st portion is the installation of equipment and getting the microwave ring back up, then decommissioning the old tower at Fire Station #2. Volume #03 Bidder Instructions have been updated to reflect the changes hereto. **EXHIBIT B**

4. What type of traffic interfaces (Ethernet, OC3, T1) and Media type (Copper, MM, SM Fiber, LC, ST, SC) do you need at each site and quantities?

Response: The Interfaces are all three (ethernet, OC3, and T1) The media type is Copper. 1 T1 and 6 ethernet connections at Madonna

5. For the new proposal link, is the County of Santa Cruz interested in WiFi 6E interference detection?

Response: Yes

6. Will the County provide the -48 VDC power system at Mt Madonna site for the MW equipment?

Response: No, it should be provided by the winning bidder

7. Are the new radios to be integrated into the existing SONET network so the traffic is loop protected?

Response: Yes

8. Will a single management system be required to manage existing and new MW system?

Response: Yes

9. Will the General Terms and Conditions be provided upon Award and will Clarifications and proposed changes/redlines be accepted for consideration?

Response: Yes

10. Requesting clarification on what equipment requires removal at Watsonville (example: number and size of antennas, antenna mounts, waveguide, LMR cable, radio racks, other equipment such as jackfields or non-microwave radio equipment)

Response: Fujitsu mux, Constellation microwave equipment, DSX panel, All wave guide and LMR coax, (3) 6' microwave dishes, (2) LMR antennas, and Lorain microwave power supply

11. What equipment needs to be relocated from Watsonville shelter to Mt. Madonna?

Response: None

12. Please confirm if the existing antenna and waveguide at Loma Prieta facing Watsonville need to be decommissioned by the contractor.

Response: Yes

13. Please confirm if all the existing radios between Loma Prieta - Watsonville- Toro need to be decommissioned by the contractor.

Response: Yes

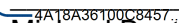
Please email GSDFacilities@santacruzcounty.us with any questions regarding this addendum.

Addendum #2 authorization:

DocuSigned by:



December 22, 2022


Michael Beaton - Director

Date

Enclosures: Exhibit A **Volume #02 Plans - Specifications - Scope - Photographs – Other Updated**
Exhibit B **3_CUPCCAA Bid Proposal 23C1-003**

EXHIBIT A Updated 12.22.22

MICROWAVE DECOMMISSIONING & NEW INSTALLATION

**FIRE HOUSE #2, WATSONVILLE, CA
AND
MOUNT MADONNA, MORGAN HILL, CA**

PROJECT #23C1-003

*Volume #02 Plans - Specifications - Scope - Photographs - Other
CUPCAA Supporting Docs*



**COUNTY OF SANTA CRUZ, CALIFORNIA
GENERAL SERVICES DEPARTMENT
November 21, 2022 *Date Prepared***

PROPOSALS DUE:
Wednesday January ,4th 2023 at 2:30pm

PRE-BID CONFERENCE:
Tuesday, December 6, 2022 – 11:00 A.M.

LOCATION:
“Virtual” Teams Meeting

For use in connection with Santa Cruz County standards and the 2019 California Building Code.



TABLE OF CONTENTS

This CUPCCAA Project is supported by specific documents enumerated in the “Table of Contents” below:

- A. Engineered Drawings – ***Site Plan and Equipment Layout***
- B. Technical Specifications
- C. Supplemental Conditions
- D. Existing Condition Photographs
- E. Scope of Work
- F. Preliminary / Milestone Project Schedule
- G. Other Documents

Project Scope of Work:

The County, as a core milestone in the development and delivery of a project, did conduct a site assessment and in conjunction met with the occupants of the facility and/or space to discuss the needs, wants, and expectations. From this site meeting discussion, the “**scope of work**” was drafted and refined to aid the Bidder in understanding parameters of the project and establishing the Bid to execute the expected work.

Project Supplemental Conditions:

These are project clarifications that help the Contractor to gain comfort with the site conditions and support the project intent. The Supplemental Conditions are weighted equally in significance to that of the County General Conditions Terms & Conditions and project Specifications.

Project Existing Condition Photographs:

The County has provided existing condition photographs in advance of a site visit for the purpose of formulating questions to focus observations during the mandatory pre-bid site visit. This will better prepare the Contractor to identify, mitigate, and manage their risk as well that of the county.

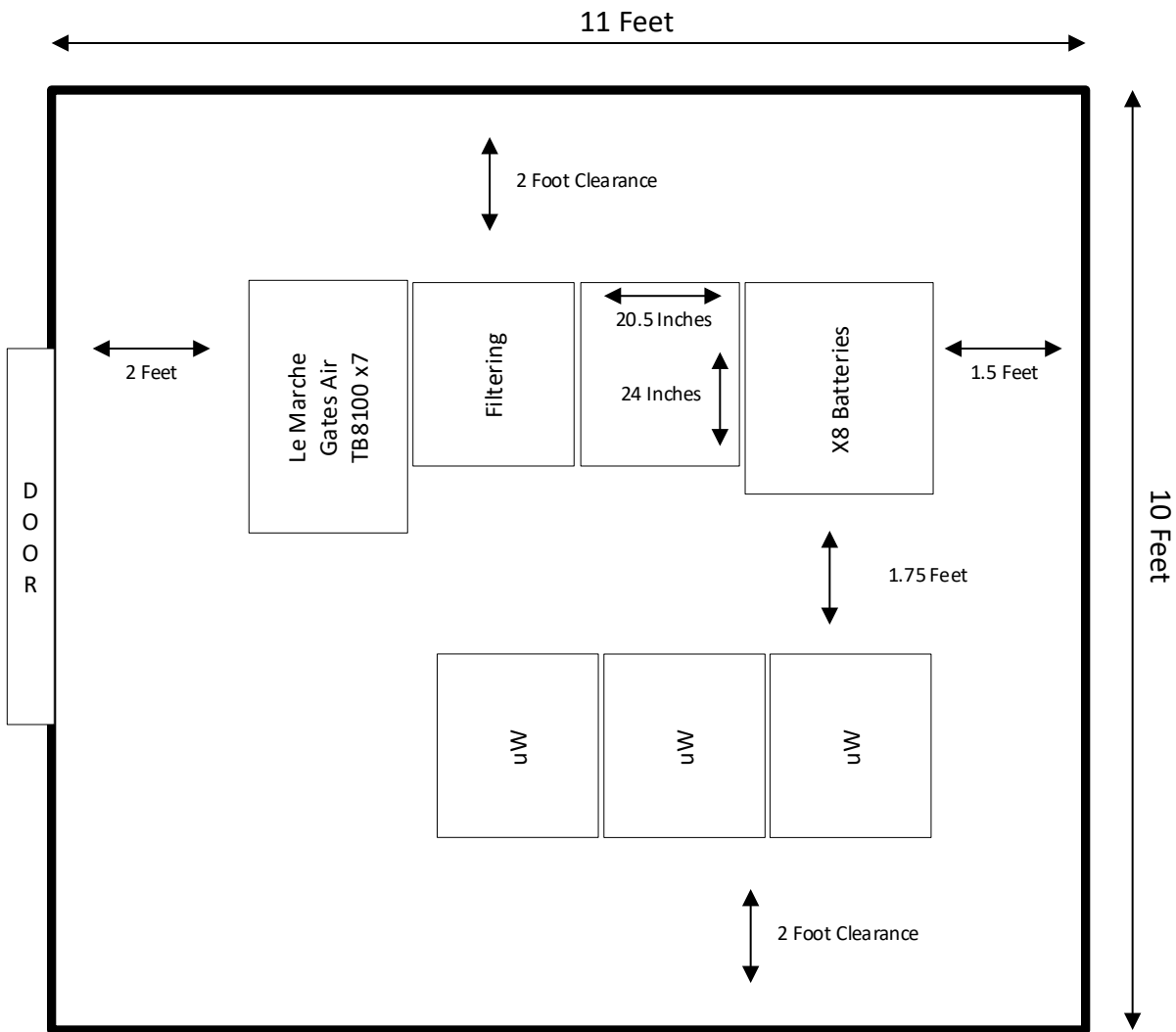
Preliminary / Milestone Project Schedule:

The County has prepared either a “**Preliminary or Milestone Project Schedule**”. This schedule shall be considered by the Bidder to establish expected duration to execute the work. At the “**Notice of Award**” (NOA) the Bidder will be asked to begin preparing the “**Baseline Project Schedule**” for formal submission and review by the County. This Schedule will be submitted and reviewed within the first ten (10) days of receiving the NOA.



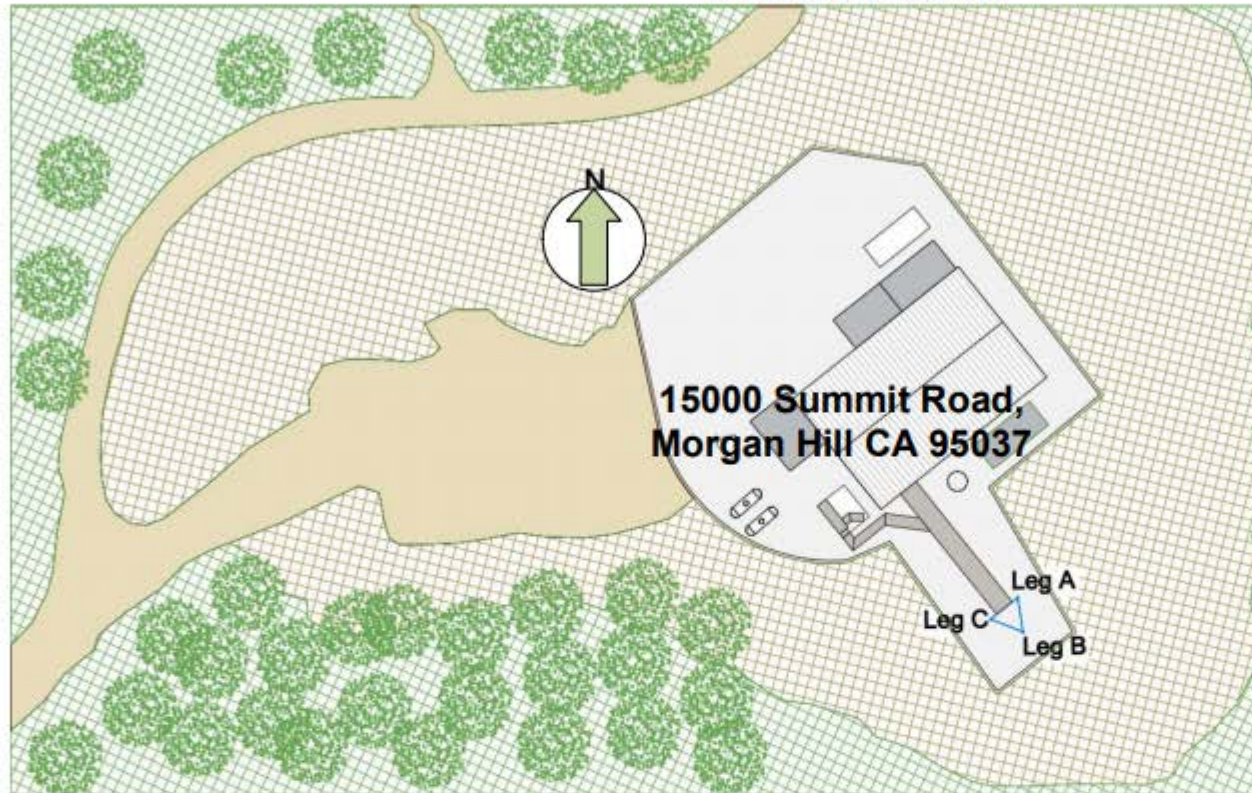
ENGINEERED DRAWINGS

EXHIBIT "A"

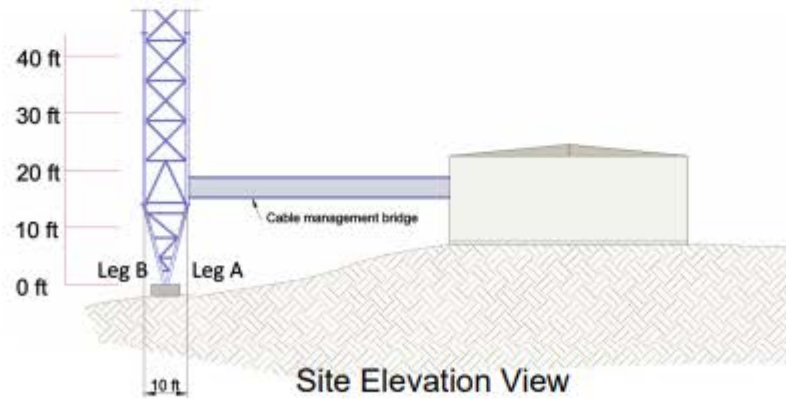


Etheric Networks

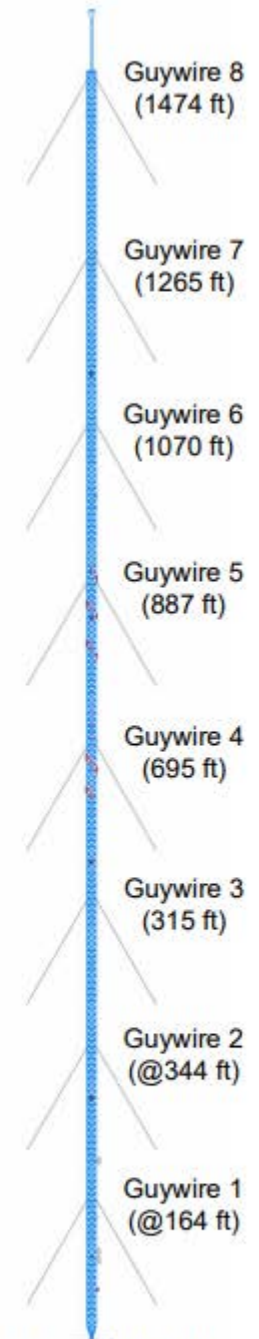
BS20 Mount Madonna
Elevation and Plan view



Site Plan View



Site Elevation View



Tower elevation View



Title: Network Design Document Etheric Networks Engineering Department BS20 Mt.Madonna

Rev:8

Created: 8/29/2016 By: AK Revised: 5/11/20



TECHNICAL SPECIFICATIONS
EXHIBIT "B"
(Not Applicable)



SUPPLEMENTAL CONDITIONS

EXHIBIT “C”



County of Santa Cruz

GENERAL SERVICES DEPARTMENT

FACILITIES MAINTENANCE & PROJECT OPERATIONS

1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073

SUPPLEMENTAL & SPECIAL CONDITIONS

PROJECT #23C1-003

The Supplemental Conditions enumerated below shall be applicable to the noted Project above and shall be enforced by County Facilities Maintenance & Project Operations with the support of County Risk Management and Counsel.

1. Contractor (Bidder) **MUST** ensure ALL Workers onsite are wearing Safety PP&E which will include Hardhats, orange or bright green safety vests, steel toed shoes, jeans or other applicable work pants, appropriate work shirt preferably with the Contractor name written on said shirt, safety glasses, and safety gloves, ear protection, etc. when applicable.
2. Contractor (Bidder) **MUST** abide by COVID 19 Compliance regulations if and when enforced. If enforced, while walking to and from the work site or outside the work site during the day said Contractor shall ensure all Crew have and wear proper face coverings. While in the work zone area Contractor can remove face coverings if Contractor policy permits.
3. Contractor (Bidder) **is required** to submit a **"Bid Bond"** during the Bid Phase of this project if the value of the Project exceeds \$25,000.
4. The successful Contractor (Bidder) **is required** to obtain and submit a **"Payment & Performance"** Bond for 100% of the project Bid Value. A **"Performance Bond"** is required if the value of the project exceeds \$10,000. A **"Payment Bond"** is required if the value of the project exceeds \$25,000. **Payment and Performance Bonds** are required to be submitted with the Bid. These will be requested of the apparent successful Bidder during Post Bid proceedings.
5. This project will be registered with the Department of Industrial Relations (DIR) and assigned a DIR # if the project value exceeds \$25,000. County General Services Department (GSD) will issue that # to the successful Contractor (Bidder).
6. Contractor (Bidder) shall start work at 7:00 am and cleanup the work site daily beginning at 3:30 pm. Contractor (Bidder) shall be offsite by 4:30pm unless authorized to work overtime. *Project Work Hours can be deviated if the Sponsoring Department and End Users agree on the work schedule change proposed by the Contractor (Bidder).*
7. Materials and equipment shall be staged accordingly as discussed with the Sponsoring Department.
8. Contractor (Bidder) shall define the required staging and laydown area(s) required for the duration of the project. Area shall be adequately delineated, and proper signage installed if applicable.
9. The successful Contractor (Bidder) **SHALL** collaborate with **ALL** applicable County Departments and Representatives to include Facilities Maintenance & Project Operations.
10. Contractor (Bidder) shall maintain a safe site and comply with OSHA Regulations.



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GENERAL SERVICES DEPARTMENT

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11. Contractor (Bidder) is obligated to comply with applicable building codes and county ordinances.
12. Contractor (Bidder) is responsible for the project schedule which includes a baseline, monthly progress updates, and look ahead schedules throughout the project duration.
13. Change Conditions shall be discussed in advance of Contractor (Bidder) submitting any **"Proposed Change Order"** to Facilities Maintenance & Project Operations. ALL **"Proposed Change Orders"** MUST be submitted with applicable supporting documentation.
14. Contractor (Bidder) shall, at appropriate project intervals, schedule Facilities Maintenance & Project Operations to conduct a scope specific building inspection ensuring means & methods performance meets code requirements. The county is exempt from permitting and therefore typical inspection services by an Agency at predetermined times in the execution of the work is not performed by a building inspector but by skilled and/or licensed Facilities Staff.
15. Facilities Maintenance & Project Operations will inspect (observe) the quality and progress of the Contractor (Bidder) work at irregular intervals.
16. Contractor (Bidder) shall use the County **"Progress Payment Schedule of Values"** when submitting for payment. Payments can be submitted at agreed upon intervals during the project. Progress Payment Applications MUST be submitted to GSDFacilities@santacruzcounty.us with copy to Justine Leonard at Justine.Leonard@santacruzcounty.us and prior to submitting a formal Progress Payment Application the Contractor (Bidder) shall submit a "Pencil Draft" copy to the assigned Facilities Maintenance & Project Operations Building Project Manager and Field Facilitator for review and comment.
17. Contractor (Bidder) is required by the County to pay both "Prevailing Wages" and ensure a "Living Wage" is paid to all who work on this project.
18. Contractor (Bidder) is required to submit Certified Payroll with all submitted invoices and/or payment applications to the DIR with a verification of submission attached to the submitted payment application.
19. Contractor (Bidder) will carry a current and in good standing State of California Contractors License for the work performed.
20. Contractor (Bidder) MUST be a registered Vendor of the County of Santa Cruz and have in possession prior to submitting a Bid or after award and before starting a Vendor #.
21. Contractor (Bidder) shall submit applicable certificates of insurance (COI).
22. Contractor (Bidder) will review and execute an Independent Contracting Agreement (ICA) when issued by County General Services Department (GSD) or be issued a Purchase Order (PO). Both bind the Contractor (Bidder) and County to the documents and terms and conditions of the project.
23. Project warranty on material and labor shall be extended to the County by the Contractor (Bidder) during closeout of the project. Warranty on labor and materials shall be separately defined.
24. Taxes (if applicable) shall be included in the Contractor (Bidder) Bid.



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25. Facilities Maintenance & Project Operations shall provide to the Contractor a "Notice of Substantial Completion" at a time when the majority of the contracted work is completed and a "Punch List" of the work is scheduled. This allows beneficial use by the Department for operational purposes in County affairs.
26. Contractor (Bidder) before receiving "Retention" payment MUST have completed work to include "Punch Items" and formally submitted ALL closeout required materials and/or documents to include Warranty. At such time County will issue a "Notice of Completion".

SPECIAL CONDITIONS:

- A. There are two site locations that require advance notification of work activities to be performed. Contractor Schedule must have differentiating work activities noted.
- B. Contractor is responsible to procure "New Installation" equipment. Reference Exhibit G. Contractor shall expedite the order and communicate timeline for delivery. Contractor is responsible for all freight charges and/or increases in the cost for equipment by the Vendor.
- C. Contractor shall ensure they have the capacity or ability to engineer the new system to include dish connectivity to the Etheric Tower.
- D. Contractor is responsible for all equipment required to set the dish and new equipment.
- E. Commissioning requires in a formal submittal the pre commissioning and commissioning scripts to the County Information Systems Department (ISD) for review and comment.



EXISTING CONDITION PHOTOGRAPHS

EXHIBIT “D”



County of Santa Cruz

GENERAL SERVICES DEPARTMENT

FACILITIES MAINTENANCE & PROJECT OPERATIONS

1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073

EXISTING CONDITION PHOTOGRAPHS

PROJECT 23C1-003





County of Santa Cruz
GENERAL SERVICES DEPARTMENT
FACILITIES MAINTENANCE & PROJECT OPERATIONS
1110 EMELINE AVENUE, SANTA CRUZ, CA 95060-4073

EXISTING CONDITION PHOTOGRAPHS

PROJECT 23C1-003





County of Santa Cruz

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FACILITIES MAINTENANCE & PROJECT OPERATIONS

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SCOPING OF WORK

EXHIBIT “E”



County Of Santa Cruz
GENERAL SERVICES DEPARTMENT

FACILITIES MAINTENANCE & PROJECT OPERATIONS
1110 EMELINE AVE, SANTA CRUZ, CA 95060
(831) 454-5251 OR (831) 454-5255

**SANTA CRUZ COUNTY FACILITIES MAINTENANCE &
PROJECT OPERATIONS**

SCOPING DOCUMENT

PROJECT #23C1-003

**MICROWAVE DECOMMISSIONING & NEW
INSTALLATION**

**FIRE HOUSE #2, WATSONVILLE, CA
AND
MOUNT MADONNA, MORGAN HILL, CA**

November 21, 2022

**PURCHASING * ENERGY MANAGEMENT *CONSTRUCTION PROJECT MANAGEMENT *FACILITIES MAINTENANCE
* FLEET SERVICES *EMERGENCY SERVICES *WAREHOUSE SERVICES *CUSTODIAL SERVICES *COUNTY
FIRE SERVICES *COUNTY SAFETY*



FACILITIES MAINTENANCE & PROJECTS OPERATIONS

PURPOSE:

This project is being funded by the County of Santa Cruz Capital Projects Review Committee representing the County Chief Administrative Officer (CAO) to provide a scope of work to decommissioning existing equipment and a tower dish at Watsonville Fire Station #2 then to haul equipment to a storage facility and the dish to a new installation located at Mount Madonna in Morgan Hill, California. The dish shall be installed on the Etheric Tower located on the Mount Madonna site. The demolition of these structures shall be coordinated with all stakeholders.

The County of Santa Cruz Facilities Maintenance & Project Operations a Division of General Services Department (GSD) has developed this project Bid Package specifically in an effort to solicit qualified Contractors to review the supporting documents, participate in the Pre-Bid Job Walks, submit when applicable Pre-Bid RFI's, and compile a "Fair Market" competitive and complete Bid.

The Bidder will execute the work professionally and with an industry expected level of acceptable quality if contracted. The County of Santa Cruz submits this scoping document as a supporting document to Project **23C1-003** Bid Package.

SCOPE OF WORK SUMMARY:

The county approach strategy to this project is in two phases. The first involves the decommissioning of existing equipment located at 370 Airport Blvd, Watsonville, CA and Mt Toro. The second is the installation of new equipment located at 15000 Summit Rd, Morgan Hill, CA.

The successful Bidder (Contractor) shall be responsible to establish a new Microwave site at Mount Madonna, removal of a small Dish at Loma Prieta, and for the removal of the equipment and 3ea Dish at Fire House #2 in Watsonville, CA. Included in the project is the installation of new equipment at the Etheric tower at Mt. Madonna, along with removal of the older equipment at the Watsonville tower site and Mt Toro location, frequency coordination and re-alignment of the Microwave ring at Mt. Madonna, and eliminate the microwave hop at the Watsonville site.

The high-level requirements in execution will include the following:

1. Installation of two new 6 GHZ dishes and one new 11 ghz dish Microwave and related equipment in County shelter at the Etheric tower, and one new 11 ghz dish mounted at Loma Prieta.
2. Alignment of Microwave to include two new 6 GHZ dishes and one new 11 ghz dish mounted at Madonna Etheric tower, 6 ghz Dish at Mt Toro, and eliminate Watsonville tower hub from the ring.



FACILITIES MAINTENANCE & PROJECTS OPERATIONS

3. Alignment of all remaining Dishes in the system pointed toward Mt Madonna.
4. Frequency coordination needed to remove old site and establish new location at Etheric tower.
5. Removal of equipment from the Watsonville tower and hauled to 701 Ocean Street Santa Cruz, CA.
6. All Dish will be aligned toward Mt Madonna.

Bidder (Contractor) shall be held accountable to provide specific deliverables from the contract.

1. Microwave dishes and equipment as listed in attachment or comparable solutions.
2. All installation of related equipment as noted in the attachment.
3. Removal of equipment at Watsonville site, with removed equipment to be delivered to the County Radio Shop at 701 Ocean Street, Santa Cruz CA to the attention of Fred Berge.
4. Engineering required to align Etheric tower dishes with current ring.
5. Frequency coordination with FCC for new site.

To close out the project the Bidder (Contractor) shall submit all frequency coordination reports and equipment startup results. Bidder (Contractor) shall remove all materials and equipment from the laydown area. The work site shall be clean. All newly installed equipment and/or cabling shall be properly labeled. Any electrical panels touched or added to the project shall be properly labeled.

Contractor shall reference Exhibit F, **“Preliminary Schedule”**. It is inclusive of Bid Package 21TI-035(A) and 21TI-035(B) activities. The schedule shall be used to derive the Bid. Once an apparent best value and lowest responsive Bid is confirmed said Bidder (Contractor) will be required to develop and submit a project **“Baseline Schedule”**.

CLARIFICATION:

- Contractor shall reference Exhibit C for Supplemental Conditions.
- Contractor shall reference Exhibit D Existing Condition Photographs
- Contractor shall start work at 7:00am. Work will stop for clean up at 3:30pm.
- Contractor will be off site by 4:30pm daily unless prior arrangements are made with Facilities Maintenance & Project Operations.
- Contractor shall submit crane pick area location map and crane shop drawing with engineering lift calculations as a formal submittal.
- Contractor shall submit applicable means & methods submittals for review and comment prior to mobilizing and starting execution of the work. These will be enumerated at the Post Bid Meeting with the successful contractor.



FACILITIES MAINTENANCE & PROJECTS OPERATIONS

- Contractor shall coordinate and schedule County Facilities Maintenance & Project Operations to observe and report on executed work to ensure code and county terms and conditions compliance.
- At the conclusion of each workday Contractor shall clean up the project site to ensure the site is safe, secured, clean and orderly. Any cleanup required by Facilities Maintenance & Project Operations or external contract incurred costs can be recovered through deductive change orders to the contractor.

SCHEDULE:

Facilities Maintenance & Project Operations have derived project **“Preliminary Schedule”** for the Bid Phase. (Reference **Exhibit C**)

Prior to start of work the Contractor shall meet with Facilities Maintenance & Project Operations to discuss schedule activities and/or review comments.



PRELIMINARY PROJECT SCHEDULE

EXHIBIT “F”

Not-Provided



OTHER DOCUMENTS

EXHIBIT “G”

ITEM	EQUIPMENT LIST DESCRIPTION
1.000	Eclipse Radios
1.001	IRU600v4
1.002	ACU IRU600 MHSB RX UNEQUAL SPLIT 5.8-U6 GHZ V2
1.003	IRU600v4 RFSEC ASSY MHSB/SD TX SWITCH, IF TR SP-HP 5.8-U6 GHz, Filter-non ACCP * HP 30MHz ACM; based on 512QAM 200Mbps
1.004	IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR SP-HP 10.5-11 GHz, Filter-non ACCP * SP 30MHz 512QAM 200Mbps
1.100	WG EXT & EXP KIT
1.101	WG EXT KIT IRU600 V3 6GHZ SH1-PO1, 1+0/MHSB 2 ANT, MHSB/SD
1.102	EXT BRKT KIT IRU600 3 SHELF
1.103	WG EXT KIT IRU600 V3 UNDER V2 11GHZ 1+0/MHSB 1ANT, RPTR(MAIN)
2.000	Eclipse Indoor Unit and Data Cards
2.001	INUe
2.002	ECLIPSE, INTELLIGENT NODE UNIT 2RU, INC IDCE, FAN, NCCV2, HIGH OUTPUT
2.003	NODE PROTECTION CARD, HIGH OUTPUT
2.004	KIT BRACKET 2RU
2.005	Rac Card
2.006	RAC 70, QPSK-4096QAM, NO XPIC, ACM * Every RAC60 and RAC70 comes with the following accessories: (1) Cable, RAC Indoor Jumper, SMA to Type N, 3 m (037-579122-001) (1) CABLE RAC6X TO DAC GE 620MM RJ45 –RJ45, 620mm (037-579518-620)
2.007	AUX Card and Cables
2.008	AUX, ALARM I/O CARD
2.009	ALARM I/O HD15 10M WIREWRAP
2.019	Protected OC-3 Card, DS3 Card and Cables
2.020	DAC 1X155o, 1XSTM1/OC3, MULTIMODE OPTICAL
2.021	SPLITTER SM LC-LC TO SC 2M
2.030	Software and Licenses
2.031	NODE SW LICENSE, 200 Mbps TOTAL RADIO PAYLOAD CAPACITY
2.032	NODE SW LICENSE, 400 Mbps TOTAL RADIO PAYLOAD CAPACITY
2.033	IRU600 600 Nodal High power option 2 x RFU
2.034	IRU600 600 Nodal High power option 4 x RFU
2.035	ADAPTIVE MODULATION NODAL RAC60/6X/60E/6XE/70
2.036	NCM LOOP SWITCH License to support up to 50E1/63T1 TDM circuits
3.000	Rack, Miscellaneous Materials
3.001	RACK ASSY CRATED, 7' CHATSWORTH ALUMINUM, 1 BREAKER PNL W/10 BLANK COVERS AND NO BREAKERS
3.002	Installation Kit, Aluminum Rack, Concrete Floor (AV179-530119-001WA)
3.003	RACK ASSY, NO RACK, NO CRATE, 1 BREAKER PNL W/10 BLANK COVERS AND NO BREAKERS
3.004	COMMON BREAKERS & BLANKING PLUGS PER RACK PER DRAWING
4.000	Fujitsu OC-3 SONET Mux (reusing existing one)
4.001	Fujitsu OC-3 SONET mux (existing one)
4.002	JACKFIELD CHASSIS, EMPTY, MULTIFUNCTION CHASSIS FOR NORTH AMERICA AND EUROPE, DSX-1/DSX-3/FIBER/RJ45 CAT 5E & CAT 6 , 16 MODULE CAPACITY, 19", 3 RU, 5"D, -48 VDC (DFX-9E0002)
4.003	JACKFIELD PLUG-IN MODULE, DSX-1 MODULE, 4 CIRCUITS WITH JACKS, FRONT CROSSCONNECT, REAR WIREWRAP, DUAL MONITOR, -48VDC, LED (DFX-9T1000)
4.004	
4.005	JACKFIELD CHASSIS, EMPTY, DSX-1, MINI-DSX-1/W-1.75X19, 3
4.006	JACKFIELD PLUG-IN MODULE, DSX-1, MINI-DSX-1/WM-1.75X19, DSX-1 MODULE FOR USE WITH COM-300100108033 EMPTY CHASSIS (MINI-DSX-1/W-1.75X19). 8 CIRCUITS (TERMINATIONS) WITH JACKS (MONITOR/IN/OUT), REAR WW CROSSCONNECT, REAR WIREWRAP, NO LED (300100108032)
5.000	DC power system
5.001	48 VDC power (Using existing one)
5.002	New proposed DC power system

This sales quotation and any resulting Customer order ("Order") are subject to Aviat Networks standard terms and conditions of sale ("Conditions"), which are available at the following web site: http://www.aviatnetworks.com/media/files/AVWN_STCS.pdf. However, if an Order is issued under or in connection with an applicable master agreement between Aviat and Customer (an "Existing Agreement"), then the Existing Agreement will govern and control the Order.

1.103	WG EXT KIT IRU600 V3 UNDER V2 11GHZ 1+0/MHSB 1ANT, RPTR(MAIN)
5.003	COMPACT POWER SHELF / FRONT WIRE 120AMP MAX 48V NEGATIVE OUTPUT POLARITY 19" / 2 RU / MID MOUNT / SYSTEM DEPTH 12" INDIVIDUAL AC INPUT (LA, LC OR LT AC CORD) QTY 3 RECTIFIER POSITIONS QTY 2 LOAD BREAKER POSITIONS #10-32 STUDS 5/8 CENTERS QTY 2 LOAD BULK POSITIONS 1/4-20 STUDS 5/8 CENTERS (TOP ACCESS) QTY 2 LVBD BREAKER POSITIONS #10-32 STUD 5/8" CENTER QTY 10 GMT FUSE POSITIONS BRACKETS KIT 19" TO 23" INCLUDED BC CONTROLLER CARD NOT INCLUDED
5.004	CONTROLLER, SYSTEM CONTROLLER WITH ETHERNET, NEXT GENERATION, WITH CLEI, 48 VDC (BC2000-A01-10VC)
5.005	RECTIFIER, V SERIES, HIGH EFFICIENCY, 48VDC, 1120W, 20 AMP DC OUTPUT, 90-264 VAC INPUT, W/ CLEI, MAX AC INPUT 14.6A @90VAC, 7.3A @180VAC (V1000A1-HE)
5.011	PULLER, FOR BULLET BREAKER (BBPULR-01)
6.000	Punch Block
6.001	M66 Punch-Down Block Kit
7.000	Antenna ,Waveguides and Dehydrators
7.001	ANTENNA, U6 GHZ, 1.8 M (6FT), TRUNKLINE, IMP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 6.425-7.125 GHZ, RADOME (STD: WHITE), CPR137G, SINGLE POL., FCC101A, SINGLE PIECE REFLECTOR, 200 KMPH, 190 KMPH (PAD6-65BC1S1R)
7.002	ELLIPTICAL WAVEGUIDE STANDARD, 5.925-7.125 GHZ, BLACK PE JACKET, PER FOOT (EW63-F)
7.003	EW63INSTALL-KIT (ONE KIT PER WAVEGUIDE RUN) (EW63INSTALL-KIT)
7.004	HARDWARE-KIT (ONE KIT PER 100FT)
7.005	WAVEGUIDE BOOT FOR EW63, 4 IN
7.006	WAVEGUIDE CUSHION HANGER, KITS, EW63, 2-HOLE (BAG OF 5 KITS)
7.007	ANTENNA, 11 GHZ, 1.2 M (4FT), PRIMELINE, UHP, HIGH XPD, REMOTE MOUNT, PARABOLIC (STD: WHITE), 10.700-11.700 GHZ, RADOME (STD: WHITE), CPR90G, DUAL POLARIZED, SINGLE PIECE REFLECTOR, CLASS III/FCC101A, 200 KMPH/190 KMPH (UXA4-107DC)
7.008	LOAD TERMINATION, WR-90 (914791)
7.009	ELLIPTICAL WAVEGUIDE STANDARD, 10.2-11.7 GHZ, BLACK PE JACKET, PER FOOT (EW90-F)
7.010	EW90INSTALL-KIT (ONE KIT PER WAVEGUIDE RUN) (EW90INSTALL-KIT)
7.011	HARDWARE-KIT (ONE KIT PER 100FT)
7.012	WAVEGUIDE BOOT FOR EWP90, 4 IN (WGB4-90)
7.013	WAVEGUIDE CUSHION HANGER, KITS, EW90, 3-HOLE (BAG OF 5 KITS)
7.014	Dehydrator and manifold (reusiing existing one)
8.000	Services*
8.001	RADIO INTEGRATION
8.002	VENDOR INTEGRATION
8.003	CONFIG ENG / DOCUMENTATION / DRAFTING
8.004	NETWORK/SYSTEM ENGINEERING
8.005	PROGRAM MANAGEMENT
8.006	TRANSMISSION ENGINEERING: path survey+one site survey
8.007	TRANSMISSION ENGINEERING: Frequency coordination and FCC license
8.008	PROJECT/SITE ENGINEERING
8.009	FIELD INSTALLATION, Radio (including Provision)
8.010	FIELD INSTALLATION, Antenna system
8.011	Equipment Removal - Antenna system

EXHIBIT B

MICROWAVE DECOMMISSIONING & NEW INSTALLATION

**FIRE HOUSE #2, WATSONVILLE, CA
AND
MOUNT MADONNA, MORGAN HILL, CA**

PROJECT #23C1-003

Volume #03 Bidder Instructions
CUPCAA: BID PROPOSAL



**COUNTY OF SANTA CRUZ, CALIFORNIA
GENERAL SERVICES DEPARTMENT
*Updated December 22, 2022***

PROPOSALS DUE:
Wednesday January 4, 2023 – 2:30 P.M.

PRE-BID CONFERENCE:
Tuesday, December 6, 2022 – 11:00 A.M.

LOCATION:
“Virtual” Teams Meeting

For use in connection with Santa Cruz County standards and the 2019 California Building Code.

TABLE OF CONTENTS

This CUPCCAA Project procurement **Volume 3** package contains the following Bidder qualifications and quantification documents enumerated in the "Table of Contents" below:

- 01. Bid Proposal
- 02. Bid Schedule
- 03. Bonds
 - A. Bidders
 - B. Payment & Performance
- 04. Names & Title Form
- 05. Non-Collusion Affidavit
- 06. Statement of Compliance
- 07. Designation of Subcontractors
- 08. Bidder Qualifications
- 09. Guaranty to the County of Santa Cruz

01-BID PROPOSAL

For: **PROJECT: MICROWAVE DECOMMISSIONING & NEW INSTALLATION – 23C1-003**

Name of Bidder _____

Business Address _____

Place of Residence _____

Telephone Number: () _____

Fax: () _____

Email: _____

1) All portions of the Bid Proposal must be completed before the bid is submitted. Failure to do so may result in the bid being rejected as nonresponsive. Attached to and submitted with this Bid Proposal, bidder must provide (1) the Bidders Bond; (2) Names and Titles Form; (3) completed Noncollusion Affidavit signed by bidder; (4) Statement of Compliance; (5) Designation of Subcontractors; (6) Bidder's Qualifications; and (7) the Guaranty. Failure to submit all required documents may result in the bid being rejected as nonresponsive.

2) One copy of the Bid Proposal shall be filled in and submitted as the bid.

3) The Bidder, having the appropriate active license required by the State of California; and having carefully read and examined the plans, specifications, and all related bidding documents as prepared by the County of Santa Cruz Information Services Department (ISD) and General Services Department's Division of Facilities Maintenance & Project Operations for the **County Administrative Office (CAO) Project #23C1-003 Microwave Equipment Decommissioning & New Installation** having carefully and fully examined the site of the proposed work and all information available to bidder, and being familiar with all the conditions related to the proposed work, including the availability of materials, equipment, and labor, hereby offers to furnish all labor, materials, tools, transportation, services, and equipment necessary to complete the work of the described project in accordance with the Contract Documents, and to complete all requirements of the Contract Documents for the sums quoted in this Bid Proposal. The bidder agrees that it will not withdraw its bid within sixty (60) days after the bid deadline. Bidder agrees, if requested by County of Santa Cruz, to complete and sign the Contractor Qualification Questionnaire, furnishing all required attachments, and return it to County of Santa Cruz within ten (10) days of date of dispatch by County of Santa Cruz. If the bidder is selected as the apparent lowest responsible bidder, the bidder agrees, within ten (10) days after date of dispatch of Notice of Award, to sign and deliver the Contract, and to furnish the Performance Bond, the Payment Bond, Certificates of Insurance, and other required items. If awarded the Contract, the bidder agrees to complete the work within the number of calendar days specified by the Project Manager after the date of the commencement specified in the Notice to Proceed.

4) The bidder and subcontractors must meet the following requirements:

- a) No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 (with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a).
- b) No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

01 BID PROPOSAL (continued)

- c) This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

5) The bidder agrees that if the bidder is selected as the apparent lowest responsible bidder, and the bidder fails to sign the Contract and furnish (1) the **Performance Bond**, (2) the **Payment Bond**, (3) **Certificates of Insurance**, and (4) **Payment Application Schedule of Values**, (5) **Preliminary Project Schedule**, and (6) **other required items** within the time limit specified in the Contract Documents, the County of Santa Cruz may award the work to another bidder or call for new bids. In such event, the bidder shall be liable to the County of Santa Cruz for the difference between the amount of the disqualified bid and the larger amount for which the County of Santa Cruz procures the work plus all of the County of Santa Cruz's costs, damages, expenses and liabilities arising from bidder's failure to sign the Contract and/or furnish the required documents.

02-BID SCHEDULE

I will perform the work on the **Project** as set forth in the Contract Documents, prepared by the County of Santa Cruz **General Services Department's** Facilities Maintenance & Project Operations Division for the following price as itemized herein:

01. BONDS AND INSURANCE	\$ _____
02. MOBILIZATION / DEMOBILIZATION	\$ _____
03. DECOMMISSION FIRE HOUSE #2	\$ _____
04. ENGINEERING NEW INSTALLATION	\$ _____
05. MT MADONNA INSTALLATION	\$ _____
06. DISH INSTALLATION ETHERIC TOWER	\$ _____
07. COMMISSIONING MT MADONNA	\$ _____
08. FREQUENCY COORDINATION	\$ _____
BID TOTAL:	\$ _____

ADDITIVE ALTERNATES

01. ADD ALTERNATE #01	\$ _____
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Bidder Submitted Total Project Bid (Base + Alternate) **\$ _____**

This Contract follows Public Contract Code 20103.8(a): whereas the lowest bid shall be the lowest bid price on the base contract, without consideration of the prices on the additive or deductive items.

The **Project** specifically includes:

Scopes of Work reflects a two phase county approach strategy to this project.

The first phase involves the procurement and installation of new equipment at the Mount Madonna facility in Morgan Hill, CA located at 15000 Summit Road. The new dish's will be installed on the Etheric Tower located at the same address. Remove the 6 ghz dish and replace with new 11 ghz dish at Loma Prieta tower

The second involves the decommissioning of existing equipment and dish's at Fire House #2 located at 370 Airport Blvd, Watsonville, CA and the loading and hauling to the County of Santa Cruz storage facility located at 701 Ocean Street Santa Cruz all equipment

All equipment shall either be decommissioned or commissioned accordingly. The new installation requires low voltage engineering and review with County Information Services Department (ISD) before acceptance and execution of the engineered work.

The County is seeking a provider of Microwave backhaul and transport solutions to establish a new Microwave site at Mount Madonna and removal of the equipment at Fire House #2 in Watsonville, CA. The project includes the summary descriptions of work in the above paragraphs for the purpose of realigning microwave ring to eliminate the Watsonville site and bring online Mount Madonna.

02 - BID SCHEDULE (continued)

The bidder acknowledges receipt of the following Addenda:

Addendum # _____ dated _____	_____	_____
	Signature	Date
Addendum # _____ dated _____	_____	_____
	Signature	Date
Addendum # _____ dated _____	_____	_____
	Signature	Date
Addendum # _____, dated _____	_____	_____
	Signature	Date

AUTHORIZED SIGNATURE OF BIDDER: _____

DATE: _____

NOTE:

Where quantities are shown they are engineers estimated quantities. Variations may occur between actual quantities and engineers estimated quantities. Bidder is responsible to calculate quantities when preparing bid. Payment will be based on lump sum bid amount(s) and no allowance will be made for variations between actual quantities and engineers estimated quantities.

03A-BIDDER'S BOND

Know All Persons by These Presents,
That we, _____

_____, As PRINCIPAL, and _____

_____,
as SURETY, are held and firmly bound unto the County of Santa Cruz of the State of California, hereinafter called the County, in the penal sum of TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE BID of the Principal above named, submitted by said Principal to the County for the work described below for the payment of such sum in lawful money of the United States, well and truly to be made, and we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents. In no case shall the liability of the surety exceed the sum of _____

_____ (\$_____) Dollars.

THE CONDITION OF THIS OBLIGATION IS SUCH, That whereas the Principal has submitted the above mentioned bid to the County for certain construction specifically described as follows: **23C1-003 Microwave Decommissioning & New Installation**; for which bids are to be opened at Santa Cruz, California on **November 17, 2022**.

NOW, THEREFORE, If the aforesaid Principal is awarded the contract and, within the time and manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the bid, and files two bonds with the Purchasing Agent, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by law, then this obligation shall be null and void; or should the aforementioned contract be awarded to other than the herein named Principal, then this obligation shall be null and void; otherwise, it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on this _____ day of _____ A.D. 20____.

_____(SEAL) _____(SEAL)

_____(SEAL) _____(SEAL)

_____(SEAL) _____(SEAL)

Surety

Principal

Address

(Note: Signatures of those executing
for the Surety must be properly
acknowledged.)

04-NAMES AND TITLES FORM

NAMES AND TITLES OF KEY MEMBERS OF FIRM:

(Name of person signing the bid on behalf of the bidder and all general partners, if a partnership, must be included.)

Bidder is a: (circle one)

Corporation Partnership Individual Joint Venture Other _____
(Specify)

NAME OF PRESIDENT IF A CORPORATION: _____

NAME OF SECRETARY IF A CORPORATION: _____

CALIFORNIA CONTRACTORS LICENSE(S):

Name of License(s):

_____	_____	_____
Classification(s)	Number	Expiration Date

_____	_____	_____
Classification(s)	Number	Expiration Date

(For Joint Ventures, list Joint Venture's license or licenses for all Joint Venture partners.)

Are you registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5?
_____ YES _____ NO Date of Registration _____ Registration No. _____

The following documents are submitted with and made a condition of this bid:

Bid security in the form of _____ (fill in type of bid security)

Corporation is organized under the laws of the State of _____.

Corporate Seal:

04-NAMES AND TITLES FORM continued

NAME OF BIDDERS FIRM: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

By: _____

(Signature)

(Print or Type Name)

(Print or Type Title)

By: _____

(Signature)

(Print or Type Name)

(Print or Type Title)

(If signature is by other than the sole proprietor, general partner, or corporate officers, attach an original Power of Attorney.)

05-NONCOLLUSION AFFIDAVIT

TO BE SIGNED BY BIDDER AND SUBMITTED WITH BID

Pursuant to Section 7106 of the Public Contract

Code, _____
(Name)

being first duly sworn, deposes and says that he or she is _____
(Title)

of _____,
(DBA)

the party making the foregoing bid; the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; the bid is genuine and not collusive or sham; the Bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the Contract of anyone interested in the proposed Contract; all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her Bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive sham bid.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____, (date) at _____ (city), _____ (state).

Signature

06-STATEMENT OF COMPLIANCE

(Company Name)

(hereinafter referred to as "prospective Contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 and California Administrative Code, Title II, Division 4, Chapter 5, in matters relating to the development, implementation, and maintenance of a nondiscrimination program. Prospective Contractor agrees not to unlawfully discriminate against any employee or applicants for employment because of race, religion, color, national origin, ancestry, physical handicap, medical condition, marital status, sex, sexual orientation, physical and mental disabilities, or age (over forty).

I, _____
(Name of Official)

hereby swear that I am duly authorized to legally bind the prospective Contractor to the above-described certification. I am fully aware that this certification, signed on

(name) (date)

in the County of _____, is made under the penalty of perjury
(County)
under the laws of the State of California.

Signature)

(Print or Type Title)

07-DESIGNATION OF SUBCONTRACTORS

PLEASE REFER TO ITEM #4 ON PAGE 1 OF THE CUPCAA BID PROPOSAL FOR CONTRACTOR AND SUBCONTRACTOR REQUIREMENTS

In compliance with the provisions of Section 4100 through 4114, inclusive, of the Public Contract Code, and any amendments thereto, each bidder shall set forth in his or her bid, **the name and location of the place of business** and the California contractor license (CSLB#) of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or a subcontractor licensed by the State of California who, under subcontract to the prime contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of 1 percent of the prime contractor's total bid and the portion of the work which will be done by each subcontractor under this act. The prime contractor shall list only one subcontractor for each portion as is defined by the prime contractor in his or her bid.

An inadvertent error in listing the California contractor license (CSLB#) number provided pursuant to the paragraph above shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive if the corrected contractor's license number is submitted to the County by the prime contractor in writing within 24 hours after the bid opening and provided the corrected contractor's license number corresponds to the submitted name and location for that subcontractor.

Function	1.	2.	3.
Name			
Location			
CSLB#			
PWC Reg. #			
Function	4.	5.	6.
Name			
Location			
CSLB#			
PWC Reg. #			
Function	7.	8.	9.
Name			
Location			
CSLB#			
PWC Reg. #			

08-BIDDER QUALIFICATIONS

This form must be completed, signed by bidder, and submitted to County of Santa Cruz with bidder's bid. Failure to complete, sign, and submit with bidder's bid may result in bidder's bid being rejected as not responsive.

County of Santa Cruz has determined that bidders must meet the following minimum qualifications to bid the work of improvement contemplated herein:

1. Have possessed a valid, active and in good standing, State of California Department of Consumer Affairs, Contractor's License Board license, appropriate for trade being bid, for a minimum of five (5) continuous years prior to the date of bid opening.
2. Not have any pending disciplinary proceedings or investigations by the Contractor's State License Board.
3. Currently (as of the date of bid opening) or within the past year, not have any suspensions, disbarments, or similar proceedings (including stipulated agreements), restricting, limiting or prohibiting Bidder from bidding or performing other public works for any other public agency.

I, being the _____ (insert title) of bidder herein, declare that bidder meets all of the minimum criteria set forth above.

Signature

Print Name

Date

09-GUARANTY
TO THE COUNTY OF SANTA CRUZ

The undersigned, as prime Contractor, guarantees the construction and installation of the following work included in this project:

Project 23C1-003

MICROWAVE DECOMMISSIONING & NEW INSTALLATION

Should any of the materials or equipment prove defective, due to faulty workmanship, material furnished or methods of installation or should the work or any part thereof fail to operate properly as originally intended and in accordance with the plans and specifications, due to any of the above causes, all within one (1) year after the date on which this contract work is accepted by the County, the undersigned agrees to reimburse the County, upon demand, for County's expenses incurred in restoring said work to the condition contemplated in said project, including the cost of any such equipment or materials replaced and the cost of removing and replacing any other work necessary to make such replacement or repairs, or, upon demand by the County, to replace any such material and to repair said work completely without cost to the County so that said work will function successfully as originally contemplated. (Ordinary wear and tear and unusual abuse or neglect excepted).

The County shall have the unqualified option to make any needed replacement or repairs itself or to have such replacements or repairs done by the undersigned. In the event the County elects to have said work performed by the undersigned, the undersigned agrees that the repairs shall be made and such materials as are necessary shall be furnished and installed within a reasonable time after the receipt of demand from the County. If the undersigned shall fail or refuse to comply with his obligations under this guaranty, the County shall be entitled to all costs and expenses, including attorney's fees, reasonably incurred by reason of said failure or refusal.

Contractor, Name and Address

Date

By _____
Signature of Principal