



Traffic Safety

November 9th, 2023

Russell Chen

Senior Civil Engineer – Department of Community Development and

Infrastructure - Public Works

Agenda

Local Road Safety Plan

- What is a Local Road Safety Plan (LRSP)
- LRSP Process
- Preliminary Collision Analysis Findings
- Project Website and Interactive Map Input Walk-Through

Santa Cruz Gardens

Soquel Dr Buffered Bike Lane and Congestion Mitigation Project

- Existing Conditions and Goals
- Project Overview
- Schedule
- Questions and Answers



What is a Local Road Safety Plan (LRSP)?

Goals:

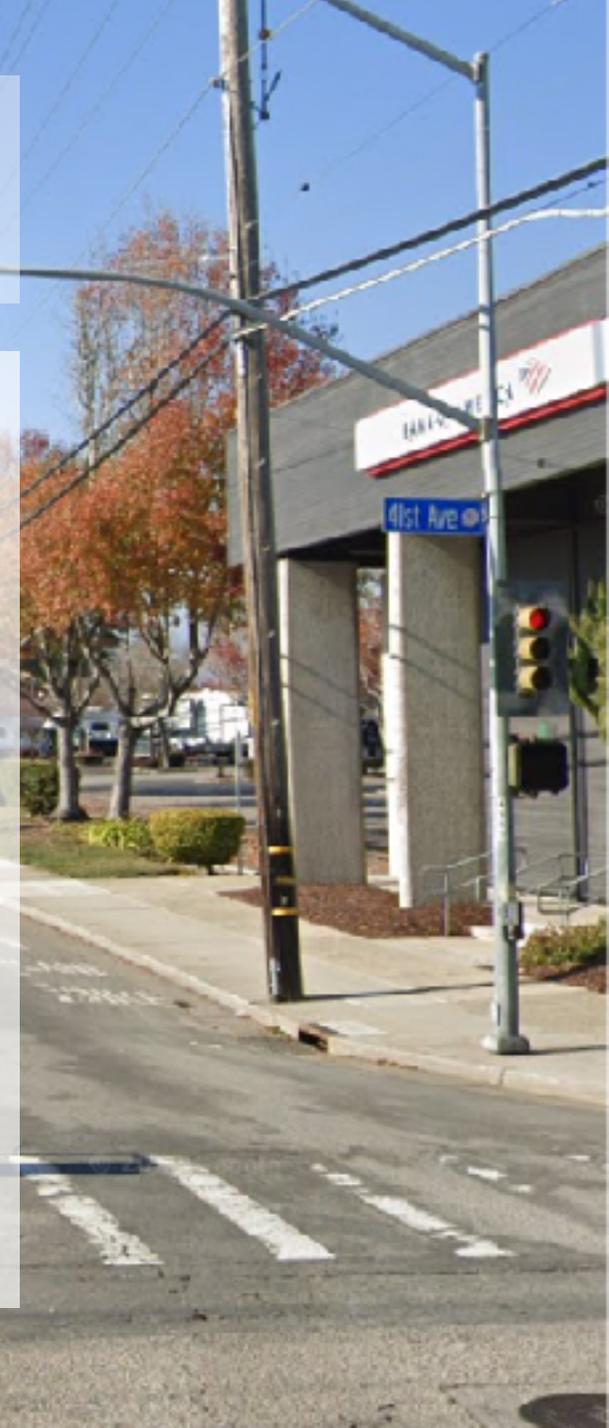
- Identify locations with highest concentration of vehicular collisions
- Identify location with higher concentration of bicycle and pedestrian collisions

Objectives:

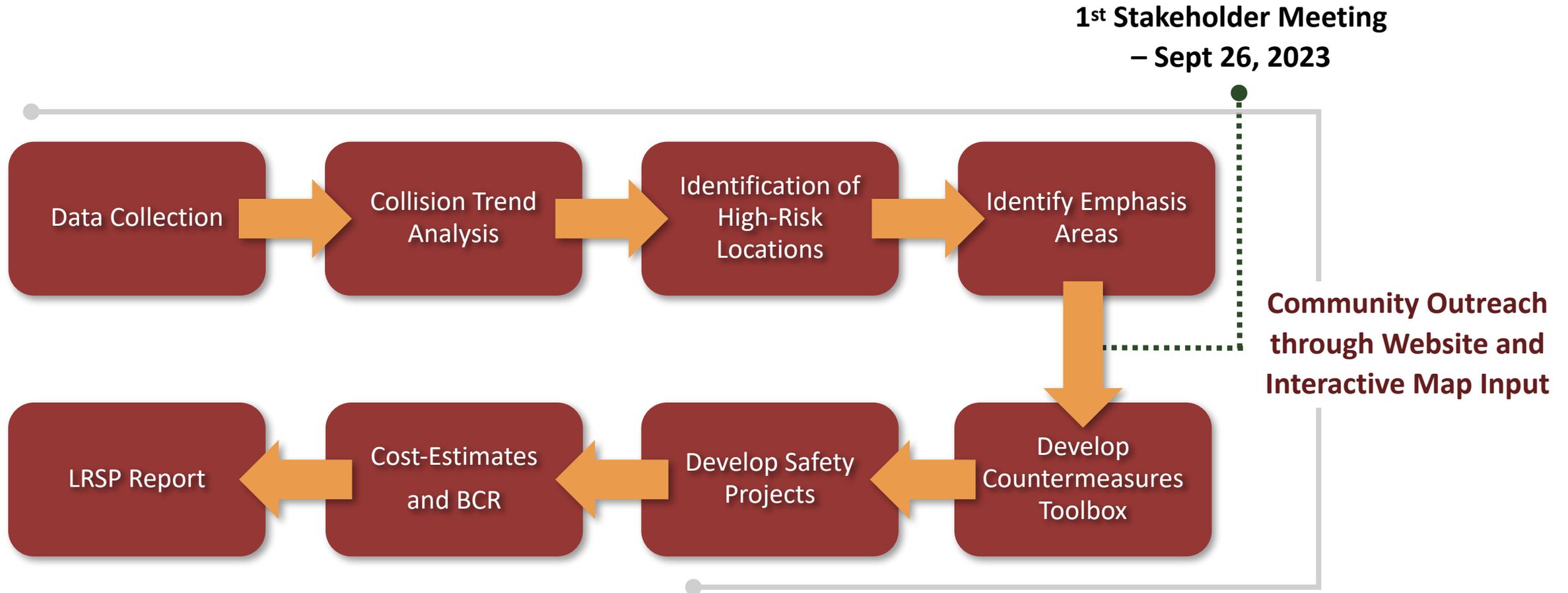
- Identify major contributing factors to crashes and define priority locations for roadway safety improvements
- Identify cost-effective countermeasures and safety investments that can be applied systemically
- Create an LRSP document to capitalize on established safety initiatives and identify other strategies to prioritize safety investments
- Document proposed countermeasures, implementation considerations, and benefit/cost for priority locations identified through this study to aid in the evaluation and preparation of grant applications

Considers engineering and non-engineering strategies:

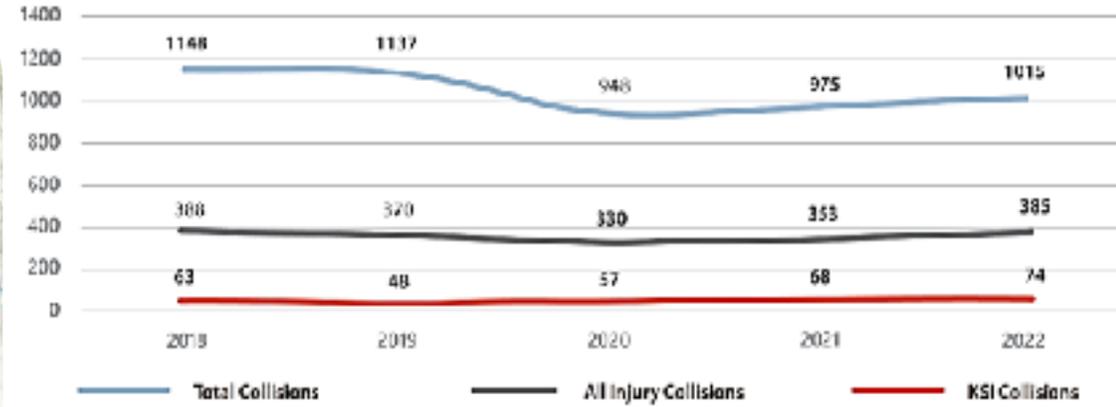
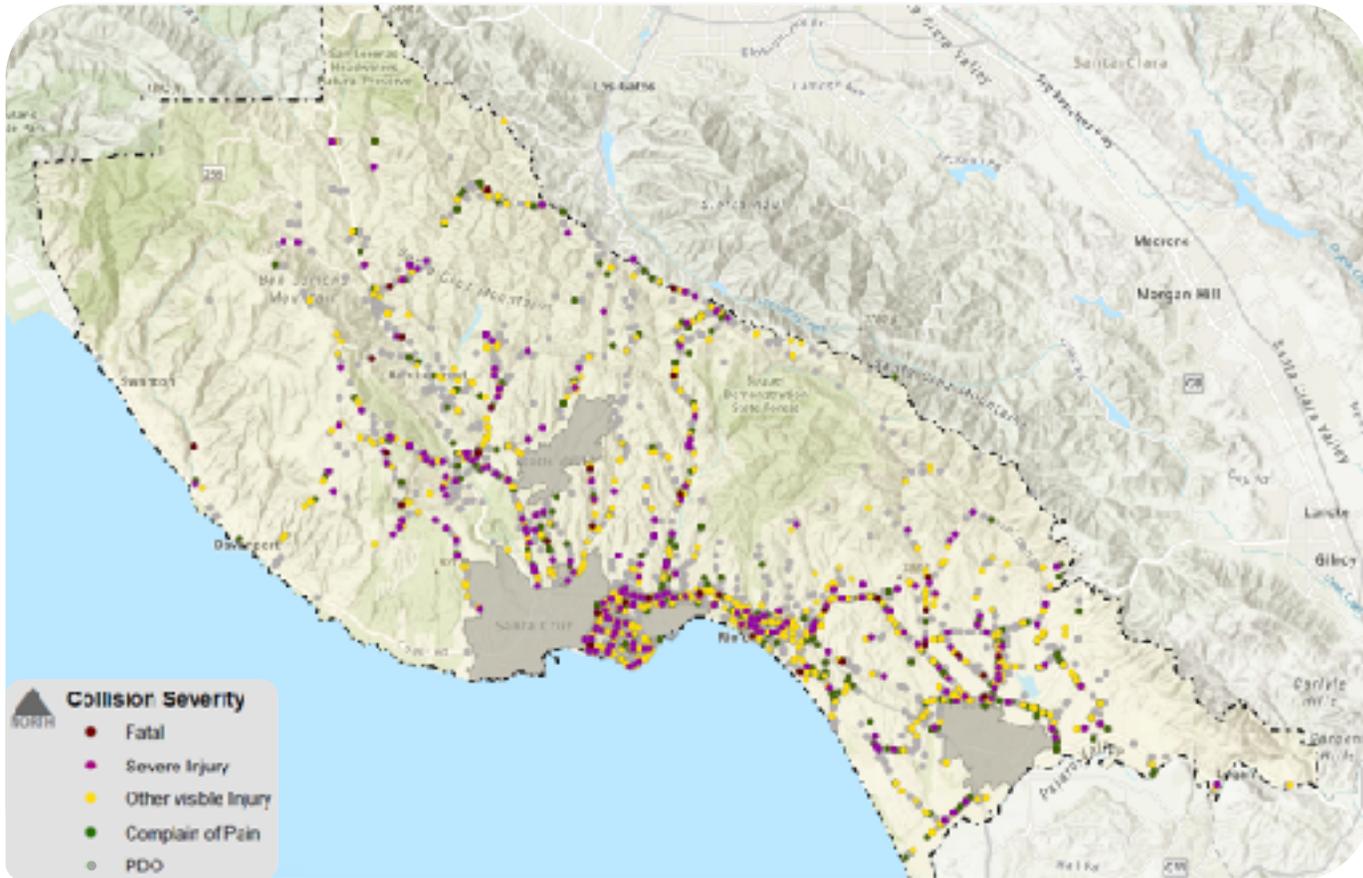
- 5 E's of Traffic Safety: **E**ducation, **E**nforcement, **E**ngineering, **E**mergency Medical Services (EMS), and **E**quity



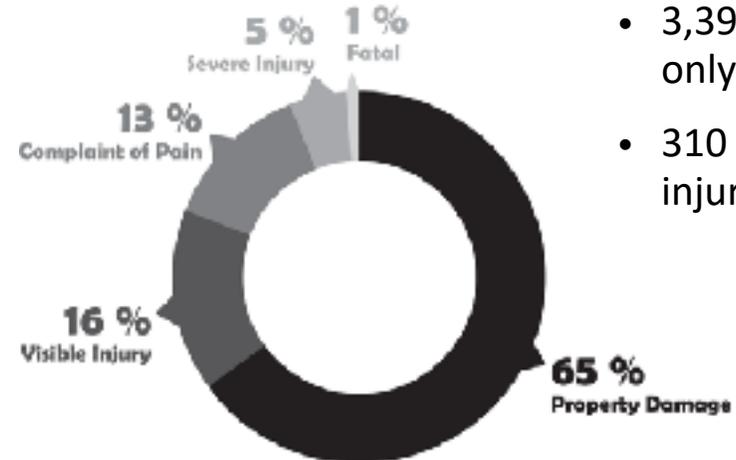
LRSP Process



Collision Analysis Findings



- 5,223 collisions between 2018-2022
- 3,397 property damage only (PDO collisions)
- 310 fatal and severe injury (F+SI/KSI collisions)



Project Website is Live!

santacruzcountysafestreeets.com

Project Overview Report Concern Collision History Project Updates Provide Feedback Contact

 **COUNTY OF SANTA CRUZ**
LOCAL ROAD SAFETY PLAN

Project Overview

Santa Cruz County is developing a comprehensive Local Road Safety Plan (LRSP).

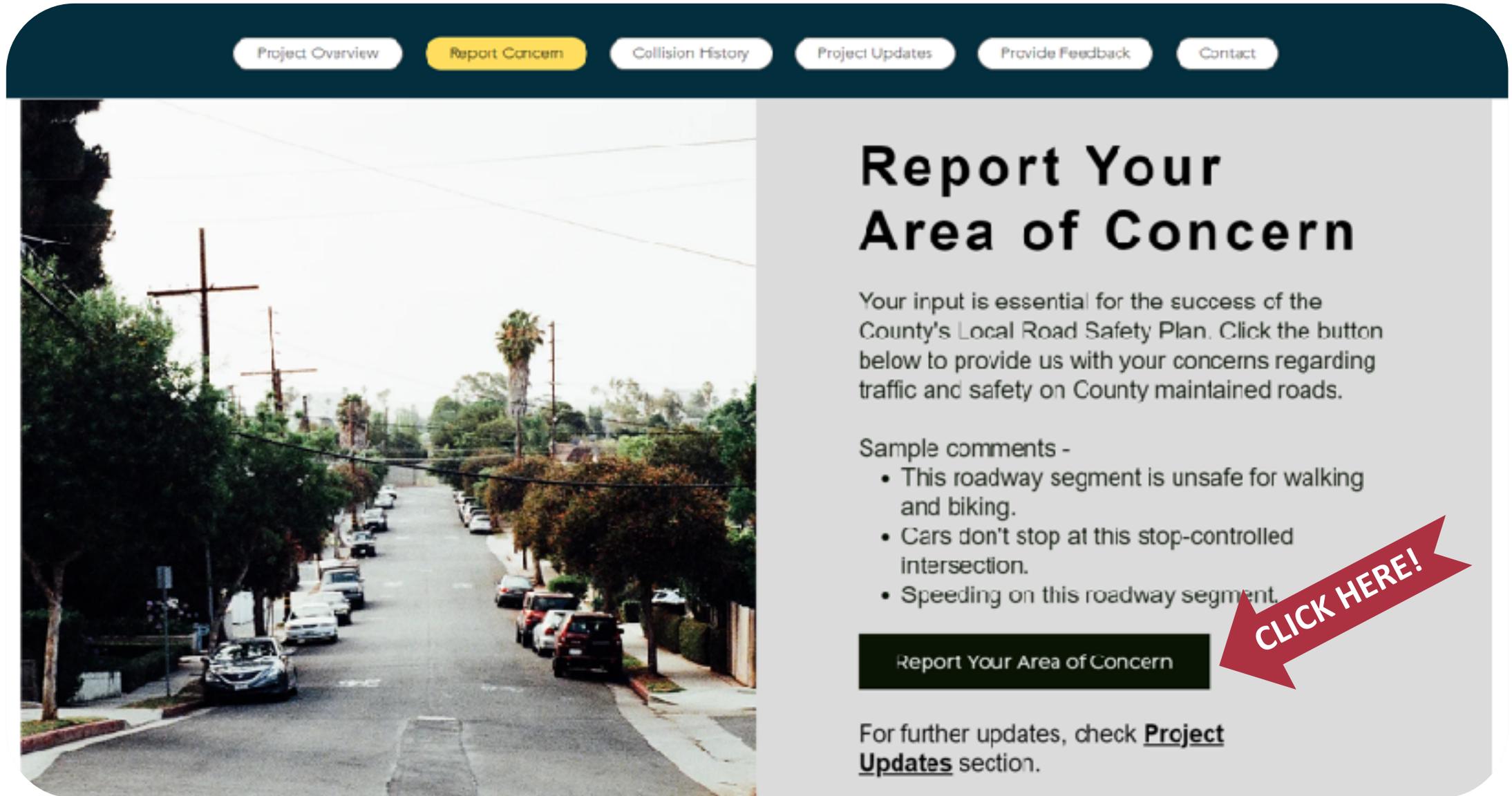
Visit: santacruzcountysafestreeets.com

County to enhance traffic safety for all modes of transportation and for all ages and abilities.

The goal is to develop a successful LRSP by analyzing historic collision databases and creating a decision-making process that relies on public outreach and a partnership with stakeholders using the five "E's" of traffic safety: Engineering, Enforcement, Education, Equity and Emergency Medical Services.

Enforcement, Education, Equity and Emergency Medical Services

Provide Feedback



The screenshot shows a web page with a dark blue navigation bar at the top containing six buttons: 'Project Overview', 'Report Concern' (highlighted in yellow), 'Collision History', 'Project Updates', 'Provide Feedback', and 'Contact'. Below the navigation bar is a large photograph of a residential street with parked cars and utility poles. To the right of the photo is a grey content area with the following text:

Report Your Area of Concern

Your input is essential for the success of the County's Local Road Safety Plan. Click the button below to provide us with your concerns regarding traffic and safety on County maintained roads.

Sample comments -

- This roadway segment is unsafe for walking and biking.
- Cars don't stop at this stop-controlled intersection.
- Speeding on this roadway segment.

[Report Your Area of Concern](#)

For further updates, check [Project Updates](#) section.



Show us your concerns right on the map!

Provide your input

Zoom to your desired location, or click the magnifying glass to the right to search for a specific address or street. Use one of the methods below to express your traffic safety-related concerns!

Pin a Location 

Draw a Line 

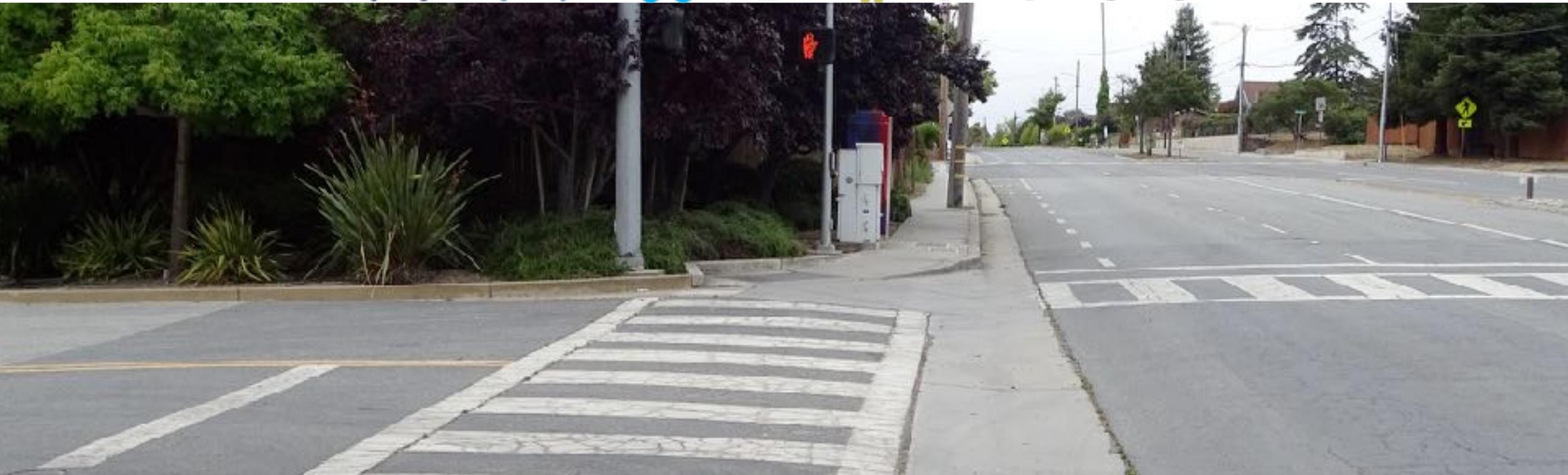


Santa Cruz Gardens

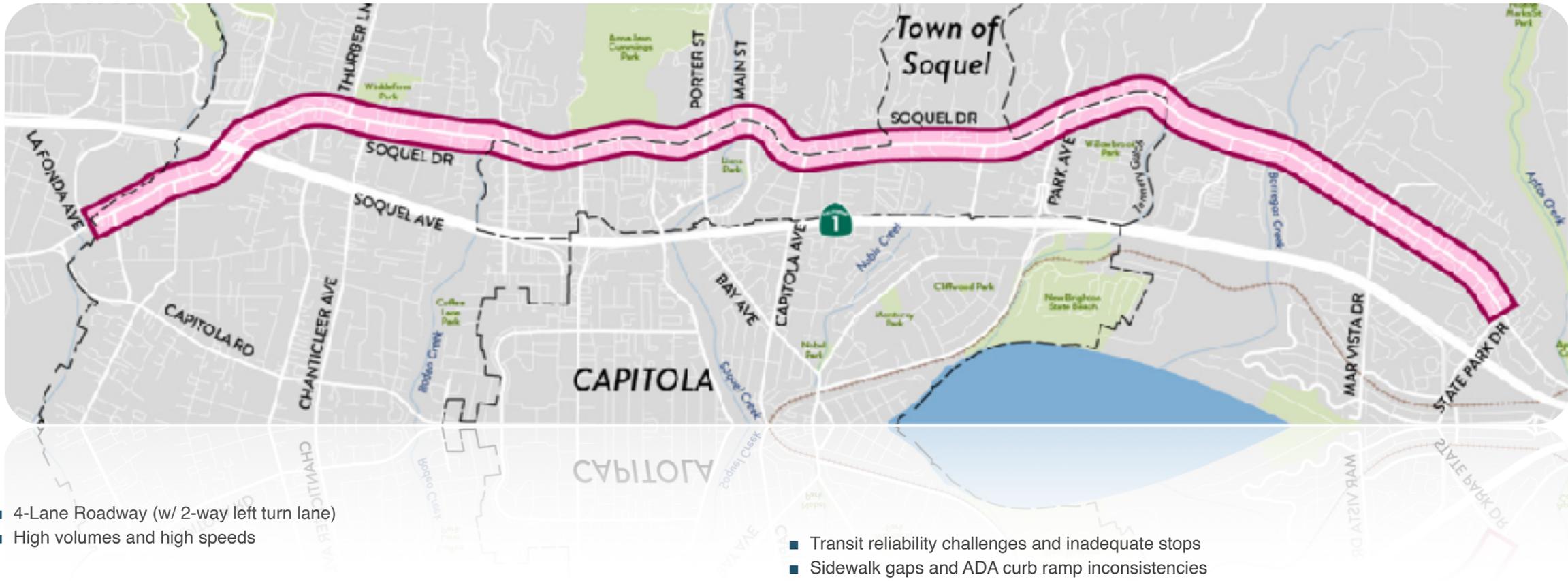
- Red curbs on Winkle Ave at Cabrillo Ave
- Stop sign on Winkle Ave at Cabrillo Ave
- Restriping of Thurber Ln



SOQUEL DRIVE BUFFERED BIKE LANE AND CONGESTION MITIGATION PROJECT



EXISTING CONDITIONS



PROJECT GOALS

01

Improve safety and reduce traffic congestion for all modes of travel

02

Enhance multimodal options

03

Improve active transportation connectivity

04

Reduce greenhouse gas emissions

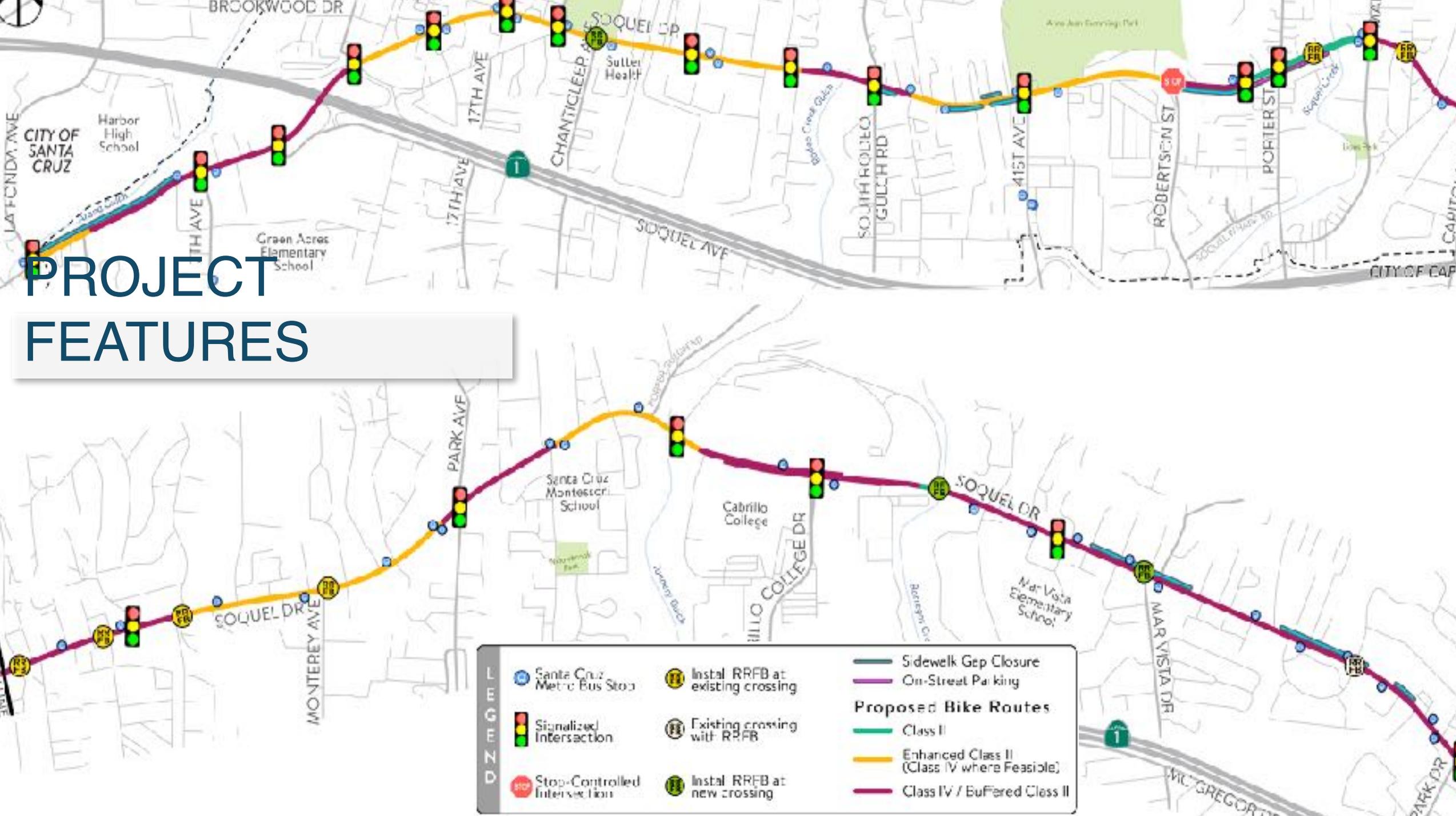
05

Improve emergency response time

06

Improve access to housing, jobs, schools and medical facilities

PROJECT FEATURES



Santa Cruz Metro Bus Stop	Install RRFB at existing crossing	Sidewalk Gap Closure
Signalized Intersection	Existing crossing with RRFB	On-Street Parking
Stop-Controlled Intersection	Install RRFB at new crossing	Proposed Bike Routes
		Class II
		Enhanced Class II (Class IV where Feasible)
		Class IV / Buffered Class II

PROJECT FEATURES

Bike Improvements:

- 2.4 miles of separated bikeway, Class IV (2-foot buffer with delineators)
- 2.7 miles of buffered bike lanes, Class II (1-foot to 2-foot buffer)
- 27 bike boxes



CLASS IV CYCLE TRACK

PROJECT FEATURES

Pedestrian Improvements:

- 0.6 miles of sidewalk gap closures
- 94 reconstructed ADA ramps
- 70 crosswalk upgrades
- 11 mid-block crosswalk RRFB's (rectangular rapid flashing beacons)



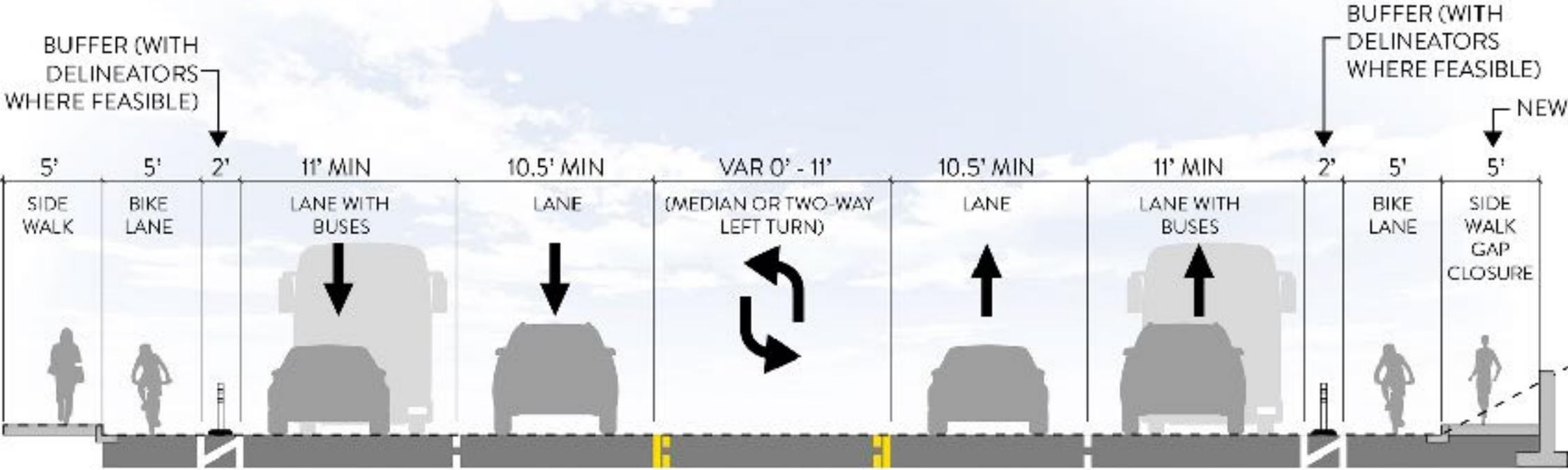
PROJECT FEATURES



Bus / Vehicular Improvements:

- Transit signal priority and adaptive signal control at 21 intersections
- Pavement rehabilitation (slurry seal)

TYPICAL CROSS-SECTION (BUFFERED CLASS 2 & 4)



CONSTRUCTION CONSIDERATIONS



Anticipated Shoulder
and Periodic Lane
Closures



Temporary Lane
Restriping



Side Street and
Driveway Access
Impacts



Intermittent Utility
Service Interruptions
(water and power)



Maintain Bicycle and
Pedestrian Access



Anticipated
Construction
Duration 12-18
months



Questions and Answers