

WEDNESDAY, MAY 18
2022

LAGUNA CANYON CHANNEL REPLACEMENT PROJECT

PROJECT OVERVIEW

PROJECT INFORMATION



Background

Project Overview

Design Review

Timeline/Next Steps

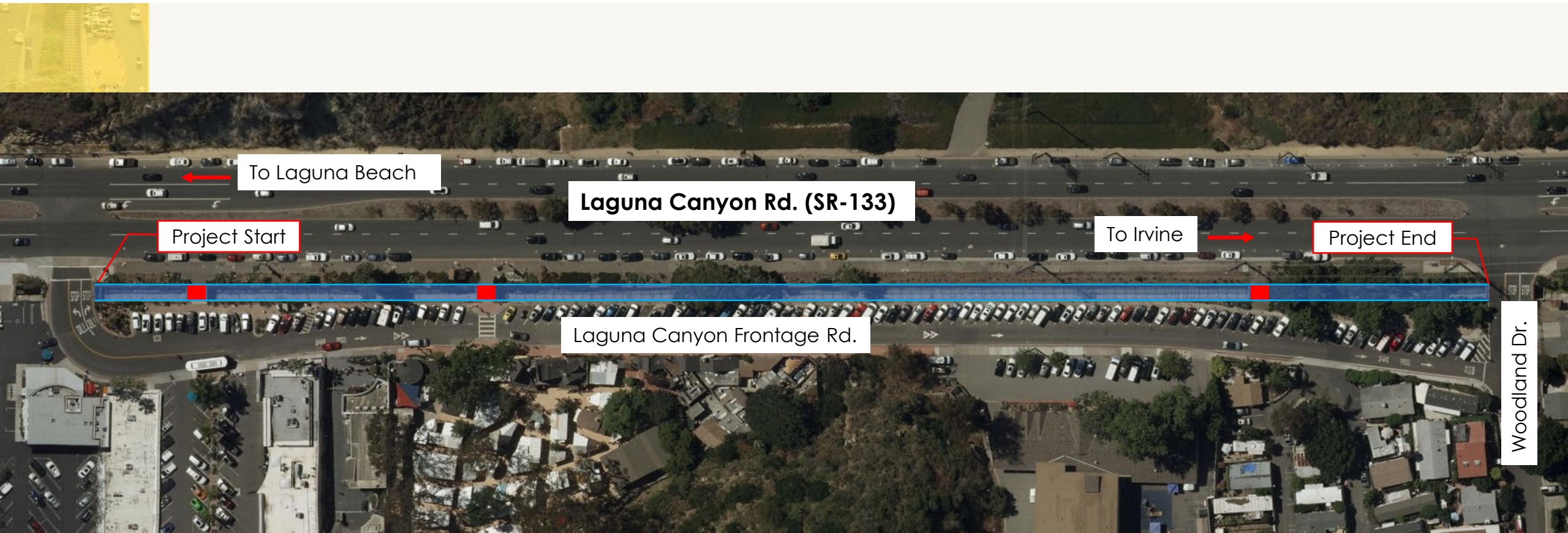
PROJECT LOCATION



PROJECT OVERVIEW



OC Public Works



Channel Information

Built: 1958

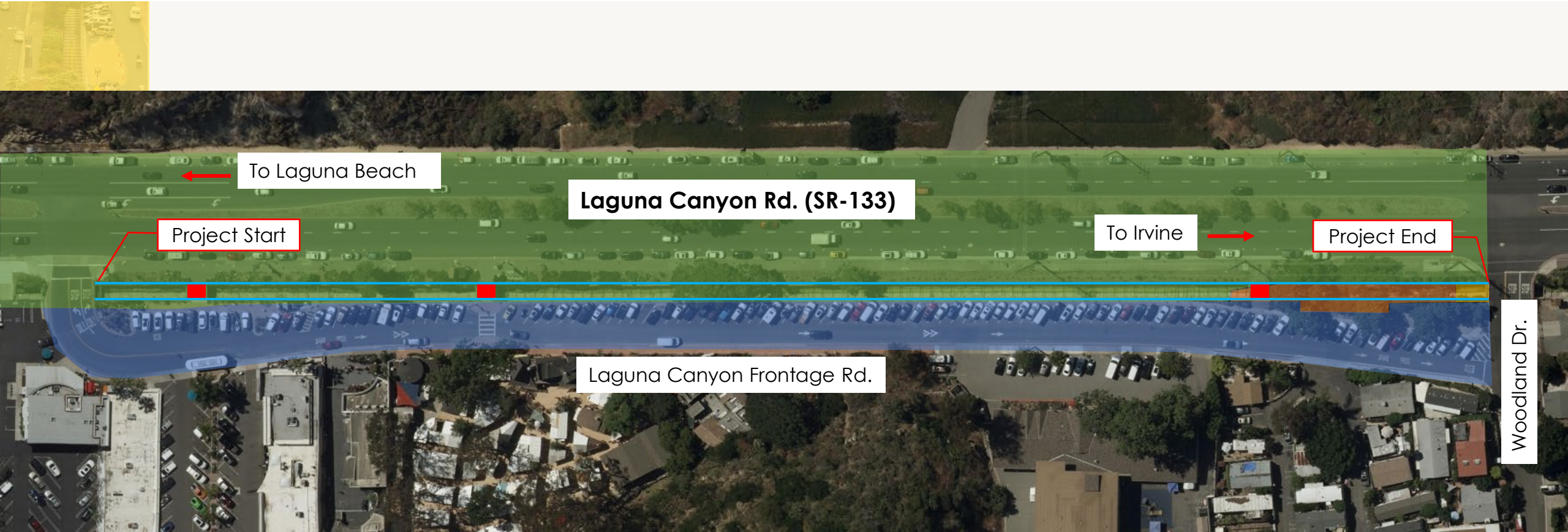
Length: 1,200 ft.

Height: 8.5 – 9.5 ft.

Width: 12 ft.

-  Laguna Canyon Channel (I02)
-  Existing Pedestrian Bridges

PROJECT OVERVIEW



- Right-of-Way
- Caltrans
 - City of Laguna Beach
 - Orange County Flood Control District
 - Private w/Deed to Caltrans

- Laguna Canyon Channel (I02)
- Existing Pedestrian Bridges

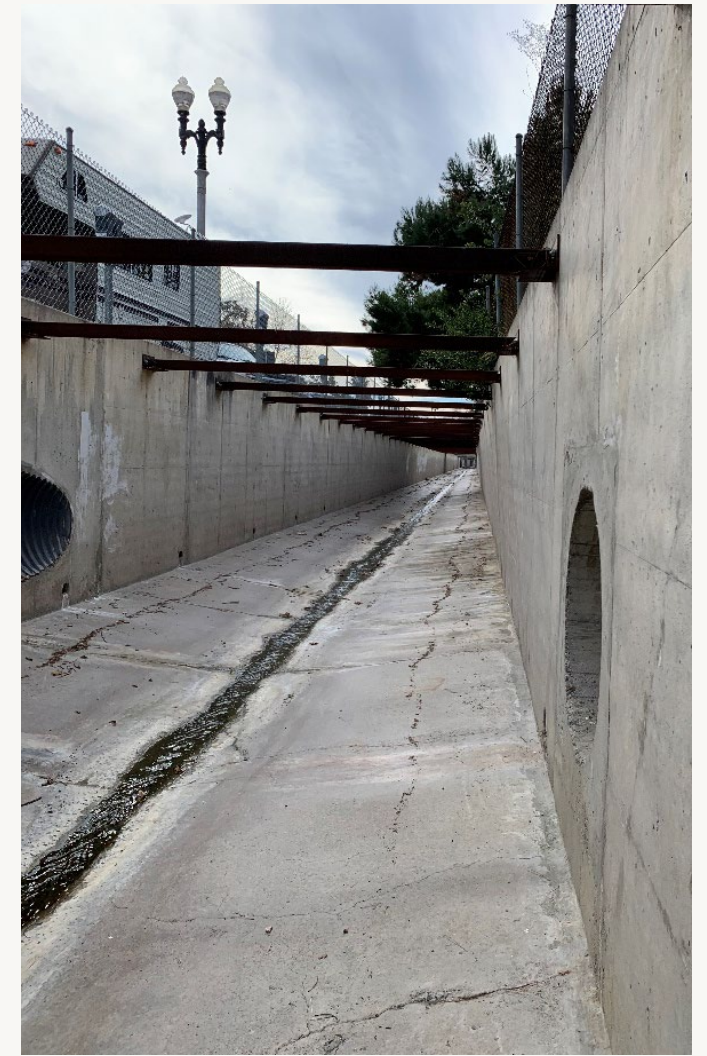
PROJECT PURPOSE



February 2019 Storm



Braced Shoring Segment

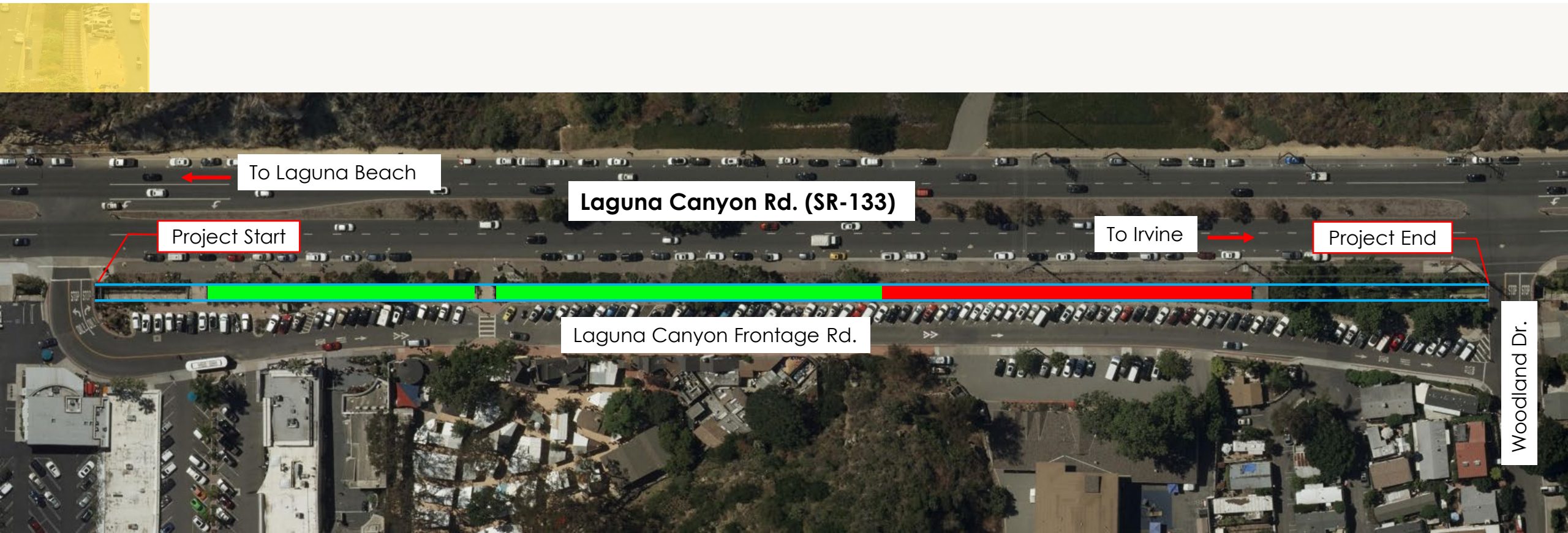


Braced Segment

PROJECT PURPOSE



OC Public Works



Channel Information

Built: 1958

Length: 1,200 ft.

Height: 8.5 – 9.5 ft.

Width: 12 ft.

-  Laguna Canyon Channel (I02)
-  Existing Temporary Shoring and Struts
-  Existing Temporary Struts

PROJECT GOALS



PROJECT PURPOSE

- ✓ **Replace Damaged Channel**
- ✓ **Maintain Existing Flood Protection**
- ✓ **Remove Features that Pose a Risk to Damaging Channel (Mature Trees)**

PROJECT ELEMENTS

Scope

- ✓ **Remove and Replace Channel**
- ✓ **Maintain Existing Channel Geometry**
- ✓ **Restore Damaged Hardscape/Softscape**
- ✓ **Remove and Replace Trees that Risk Damaging the Channel**
- ✓ **Improved Aesthetic Features (City Funded)**

DESIGN REVIEW

Elements

- ✓ **Landscape Design**
- ✓ **Trees to be Removed and Replaced**
- ✓ **Frontage Road Mini-Park**
- ✓ **Design Enhancements**
- ✓ **Pedestrian Circulation**
- ✓ **Construction Phasing**

LANDSCAPE DESIGN



OC Public Works



AEONIUM ARBOREUM
AEONIUM



CAREX DIVULSA
EUROPEAN GRAY SEDGE



PHLOMIS FRUTICOSA
JERUSALEM SAGE



AGAVE ATTENUATA
FOX TAIL AGAVE



CISTUS PURPUREUS
ORCHID ROCKROSE



SENECIO MANDRALISCAE
BLUE CHALK STICKS



AGAVE 'BLUE FLAME'
BLUE FLAME AGAVE



DIANELLA VARIEGATA
VARIEGATED FLAX LILY



CERCIS OCCIDENTALIS
WESTERN REDBUD



ALOE BARBERAE
TREE ALOE



GALVEZIA SPECIOSA
ISLAND BUSH SNAPDRAGON



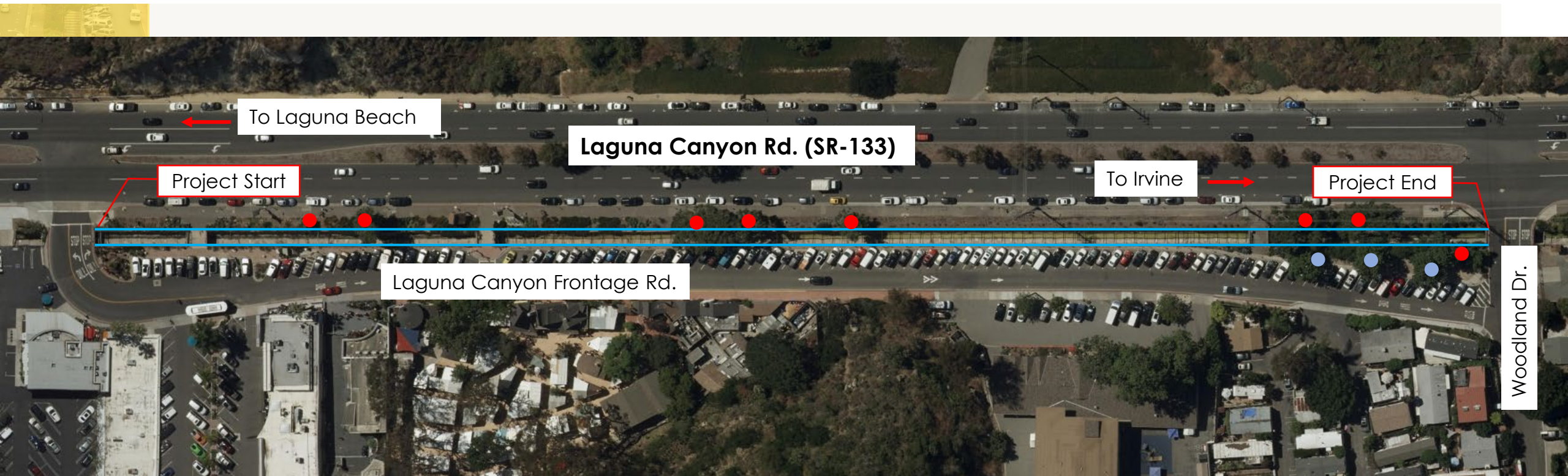
PLATANUS RACEMOSA
CALIFORNIA SYCAMORE

TREE ASSESSMENT



LA Times

TREE REMOVAL



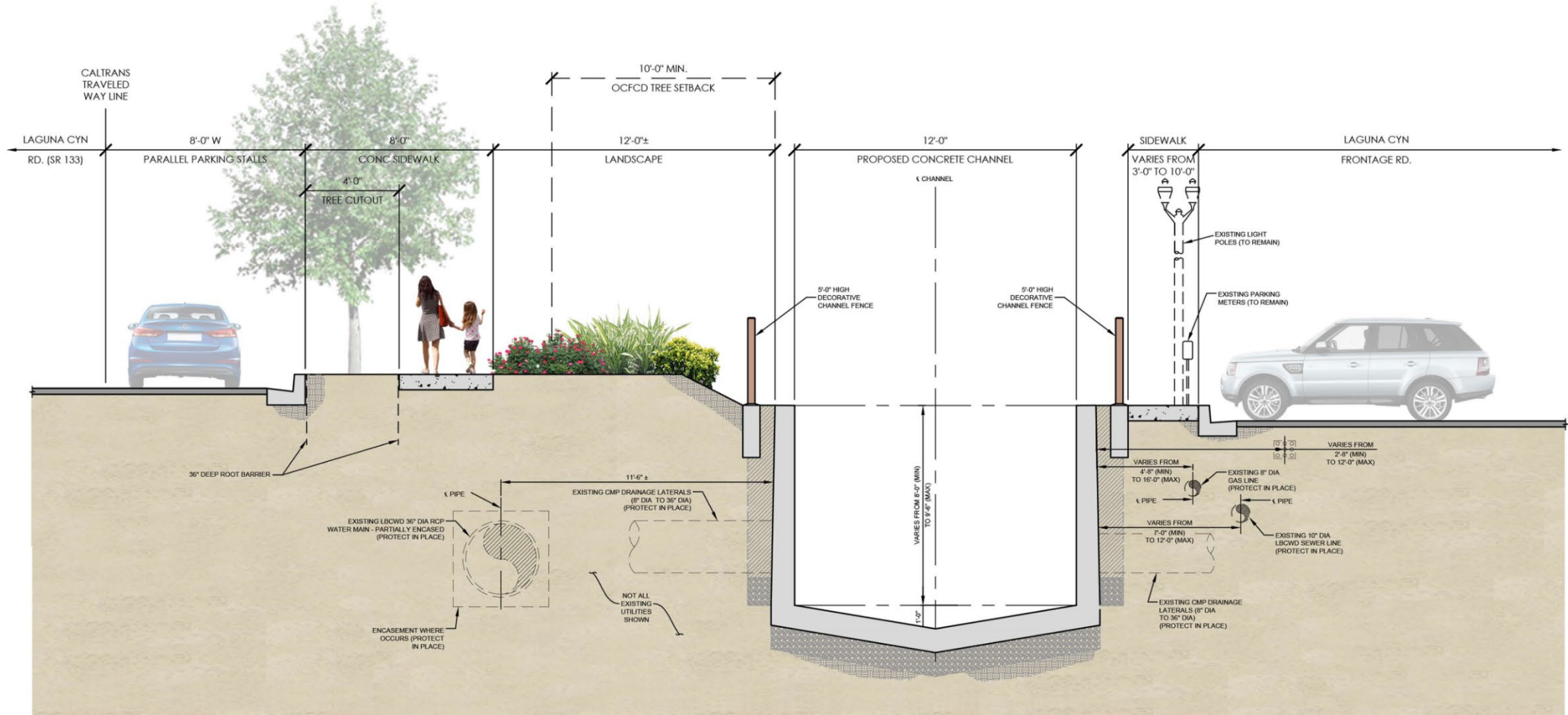
LEGEND

- Tree to be Protected in Place
- Tree to be Removed

TREE REPLACEMENT



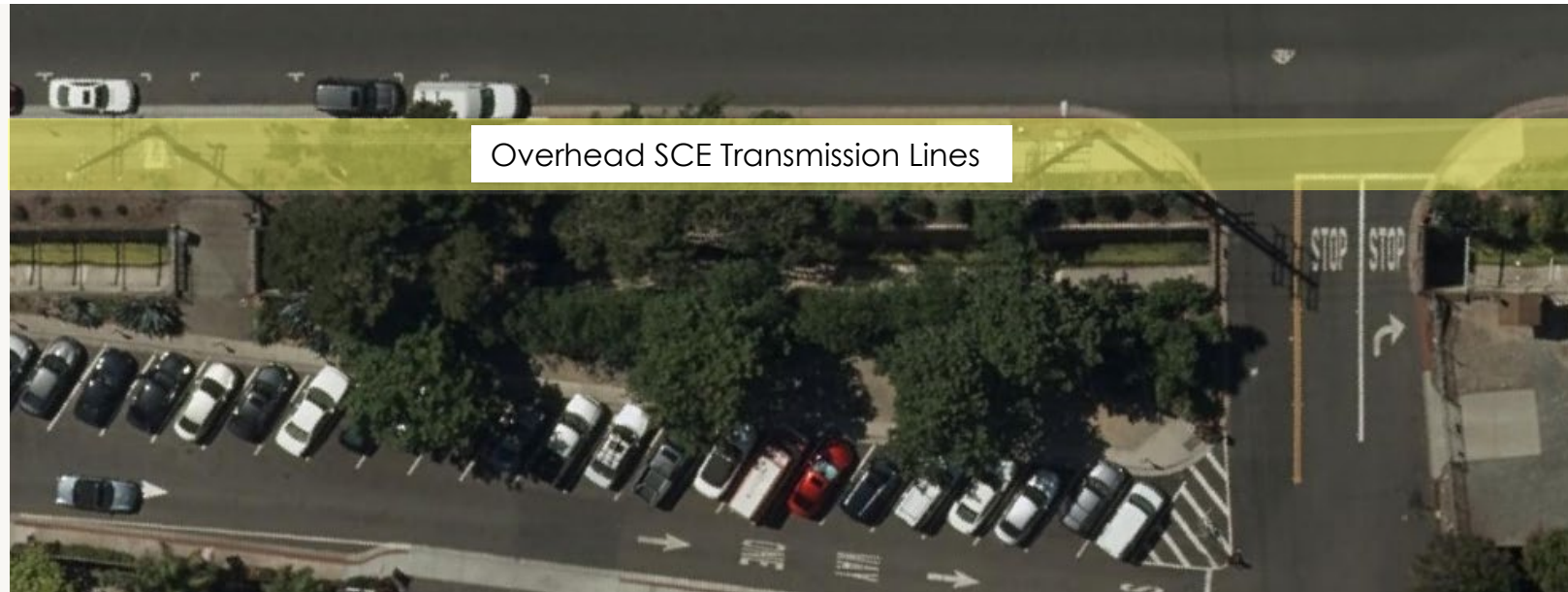
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FRONTAGE ROAD MINI-PARK



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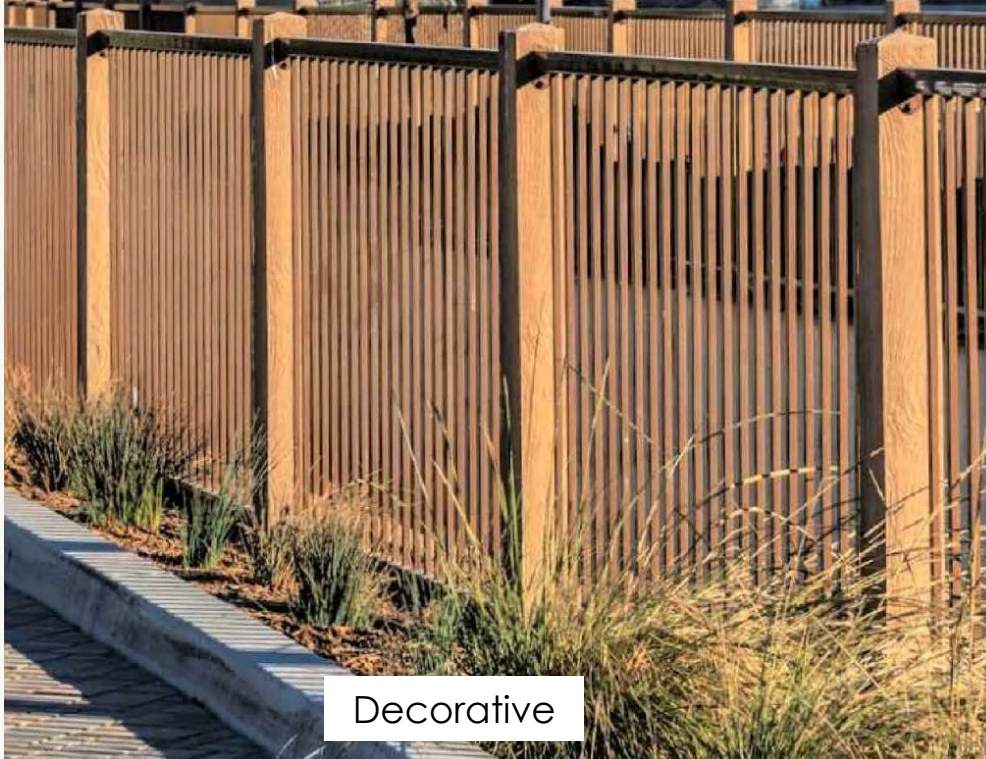


Overhead SCE Transmission Lines

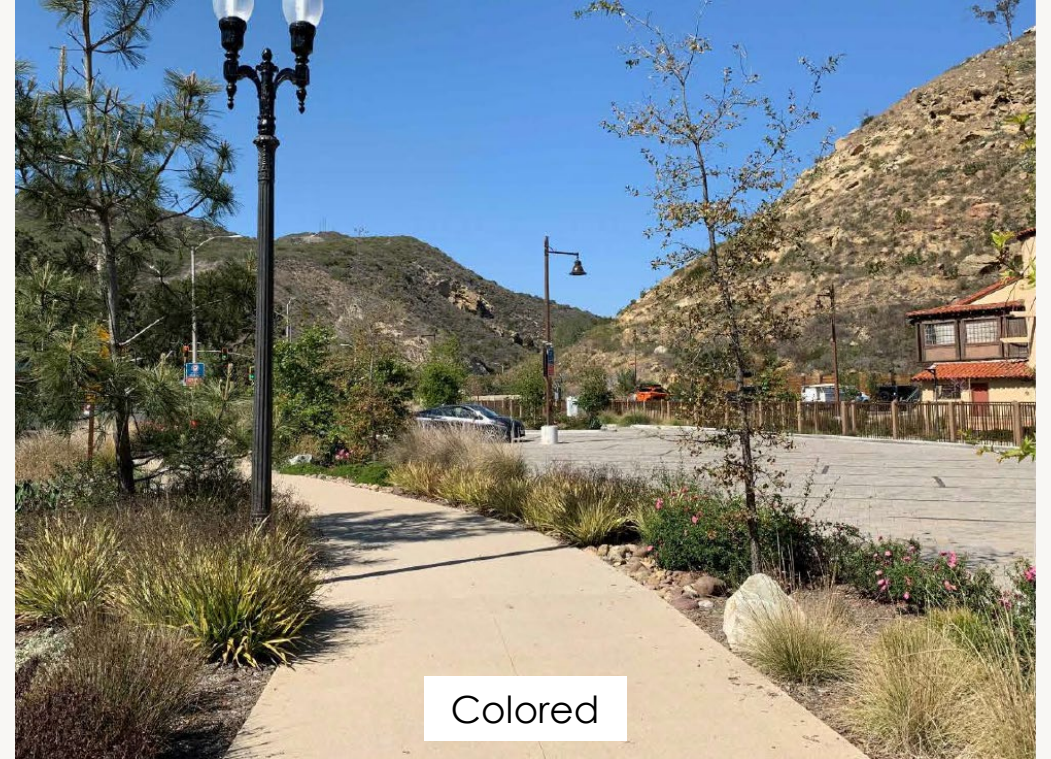


DESIGN ENHANCEMENTS

Fencing






Sidewalk



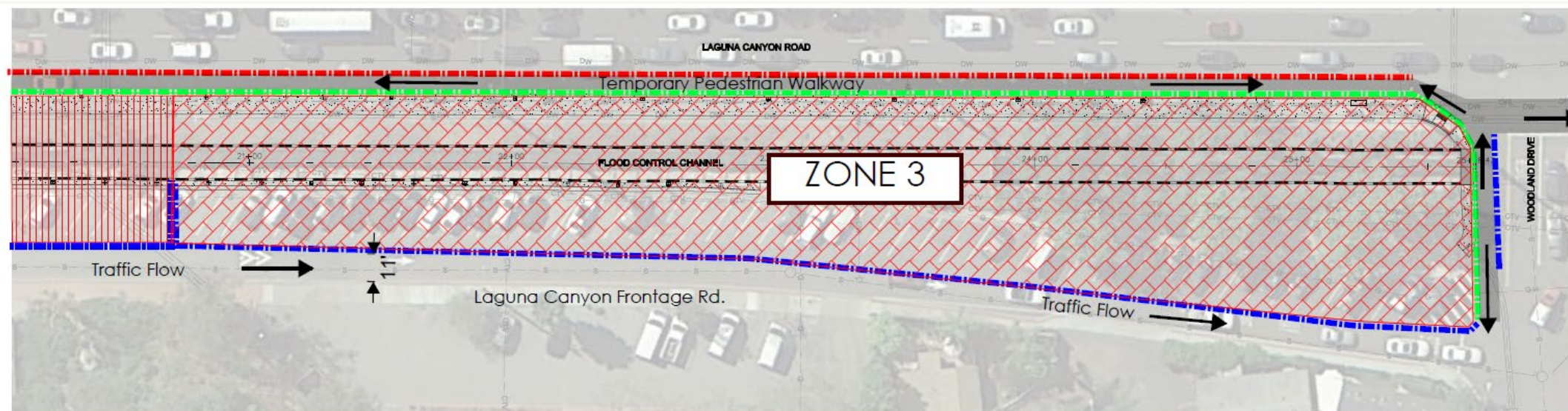
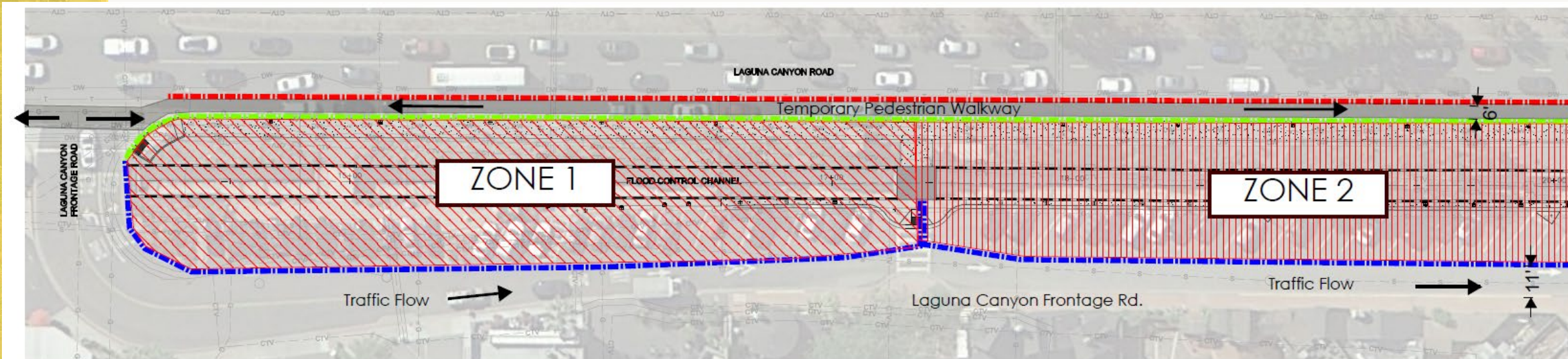
Enhancement through development
of Cooperative Agreement

PEDESTRIAN CIRCULATION



-  Functionally obsolete bridge to be removed
-  Bridge to be replaced and widened
-  Bridge to be relocated to Woodland Dr.

CONSTRUCTION PHASING



CONSTRUCTION PHASING

<u>Parking During Construction</u>		
	Laguna Cyn. Rd.	Frontage Rd.
Existing	38	107
Zone 1	0	71
Zone 2	0	63
Zone 3	0	78

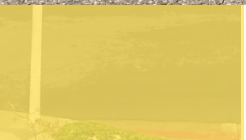
PROJECT RENDERING



Pre-Construction



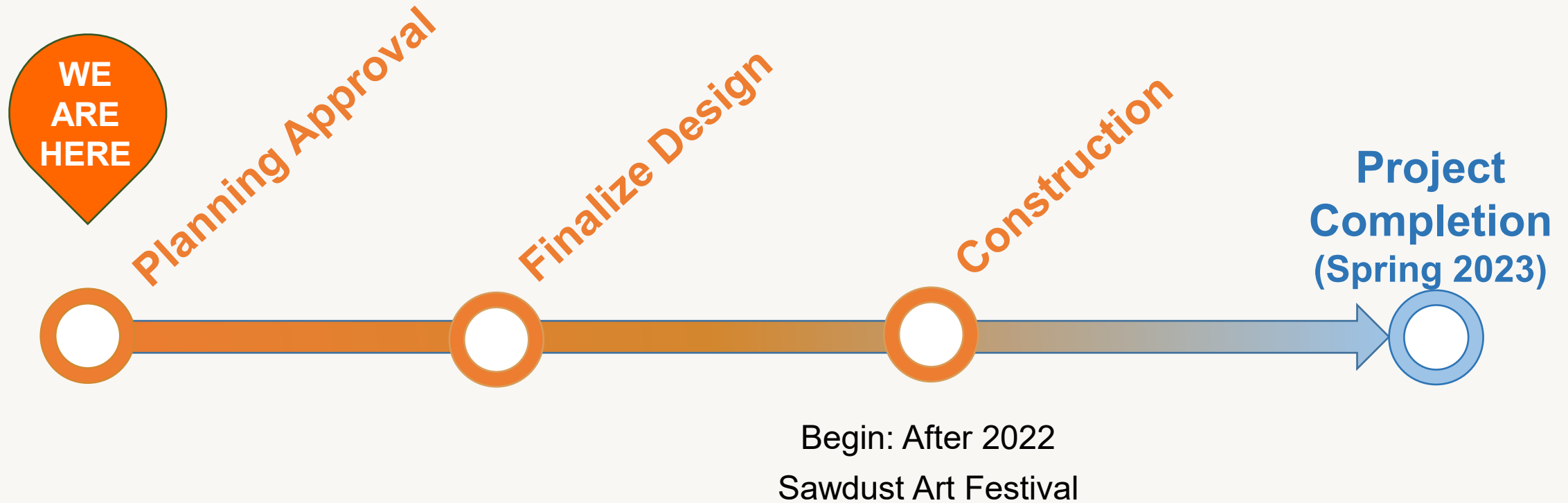
Post-Construction



TIMELINE & CURRENT STATUS



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STAY CONNECTED



OC Public Works



AUSTIN MORGAN



PROJECTINFO@OCPW.OCGOV.COM



[HTTPS://OCIP.OCPUBLICWORKS.COM/LCC](https://ocip.ocpublicworks.com/lcc)



714.647.9602



OCPUBLICWORKS

An aerial photograph of a city street, likely in Los Angeles, showing a multi-lane highway on the left, a median with a bus lane, and a parking lot on the right. The image is overlaid with a semi-transparent orange filter. The text "THANK YOU" is centered in the middle of the image in a white, sans-serif font.

THANK YOU