



# Niles Canyon Safety Improvements Project (Medium-Term Improvements Project)

Scoping Meeting  
October 14, 2015





# Project Purpose and Need

## Project Purpose

The purpose of the project is to improve safety on State Route 84 (SR-84) by reducing the severity and/or number of collisions through the implementation of various features.

## Project Need

Collisions through the Niles Canyon corridor are an ongoing concern; from January 1, 2009 to December 31, 2011, a total of 83 accidents, including 41 injury accidents and one fatality, were reported within these project limits on SR-84. The vehicular accidents included head-on, sideswipe, hit objects, broadside, rear end, overturn, and other types.



# Scoping Meeting Process

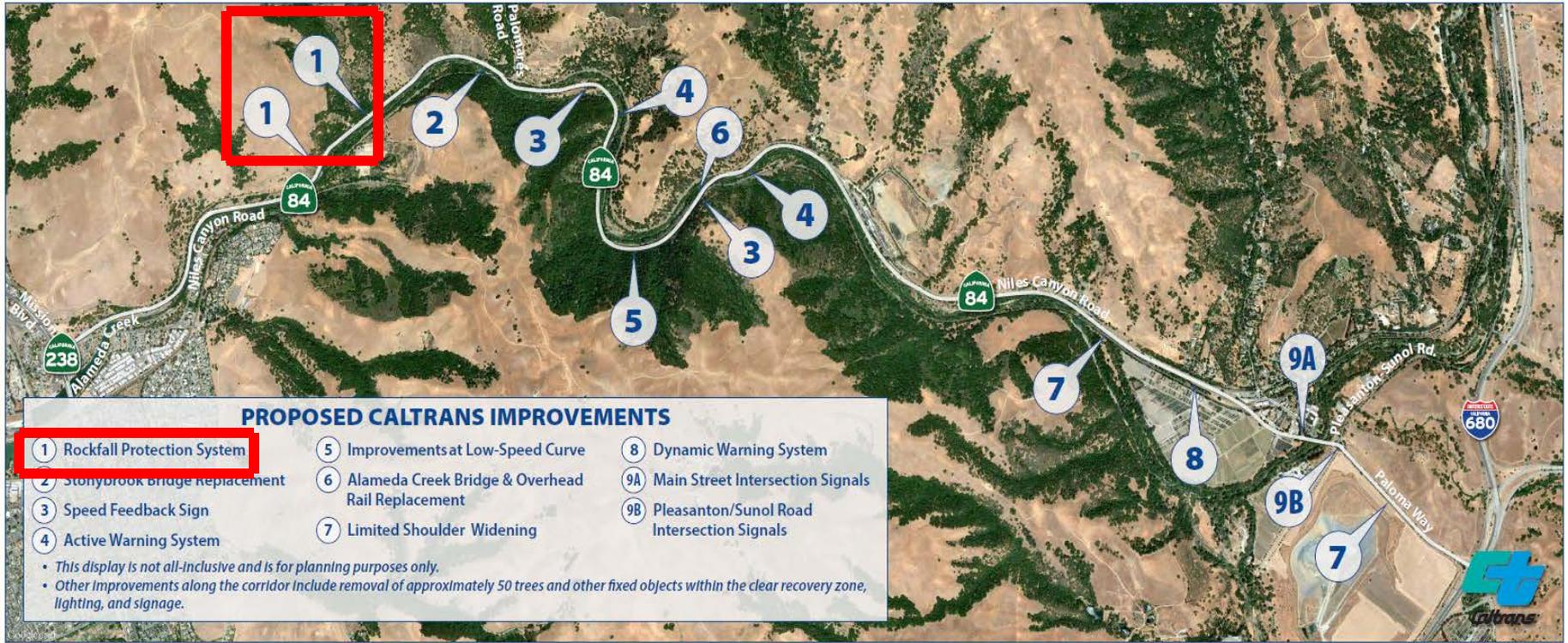
The California Department of Transportation (Caltrans) is preparing an Environmental Impact Report (EIR)/Environmental Assessment (EA) for the Niles Canyon Safety Improvements Project. Caltrans is asking agencies, local governments, elected officials, and the public to provide their input on scope of the upcoming environmental document.

“Scope” includes:

- What analysis is appropriate?
- What alternatives should be considered?
- Potential mitigation strategies?
- What resources and potential impacts should be evaluated?

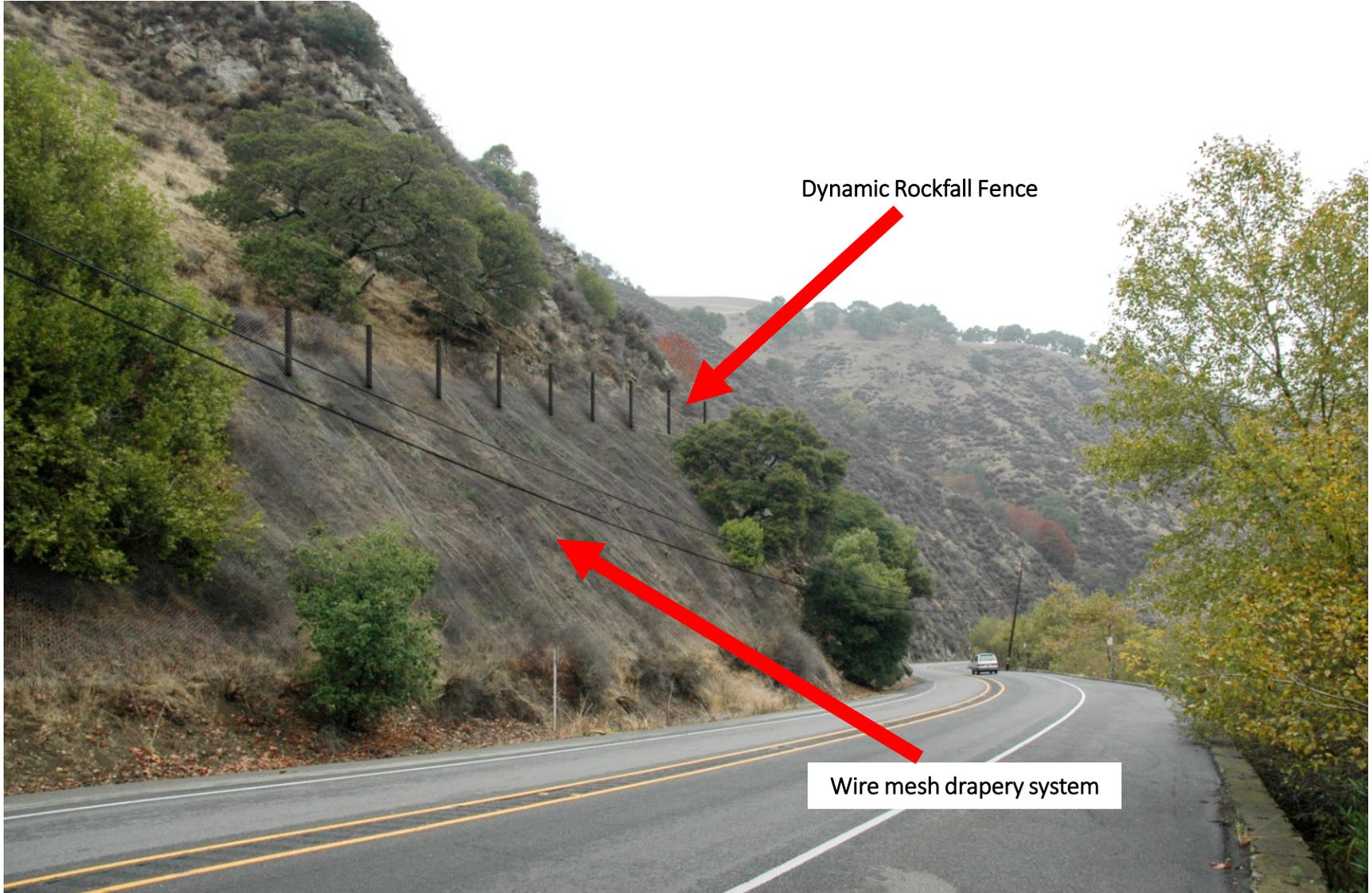


# Niles Canyon Safety Improvements Project





# Install Rockfall Protection Systems



Dynamic Rockfall Fence

Wire mesh drapery system



# Install Rockfall Protection Systems



Wire mesh drapery system



# Niles Canyon Safety Improvements Project





# Stonybrook Bridge Replacement

## Existing Culvert Condition





# Stonybrook Bridge Replacement

## Proposed Single-span Stonybrook Bridge





# Niles Canyon Safety Improvements Project





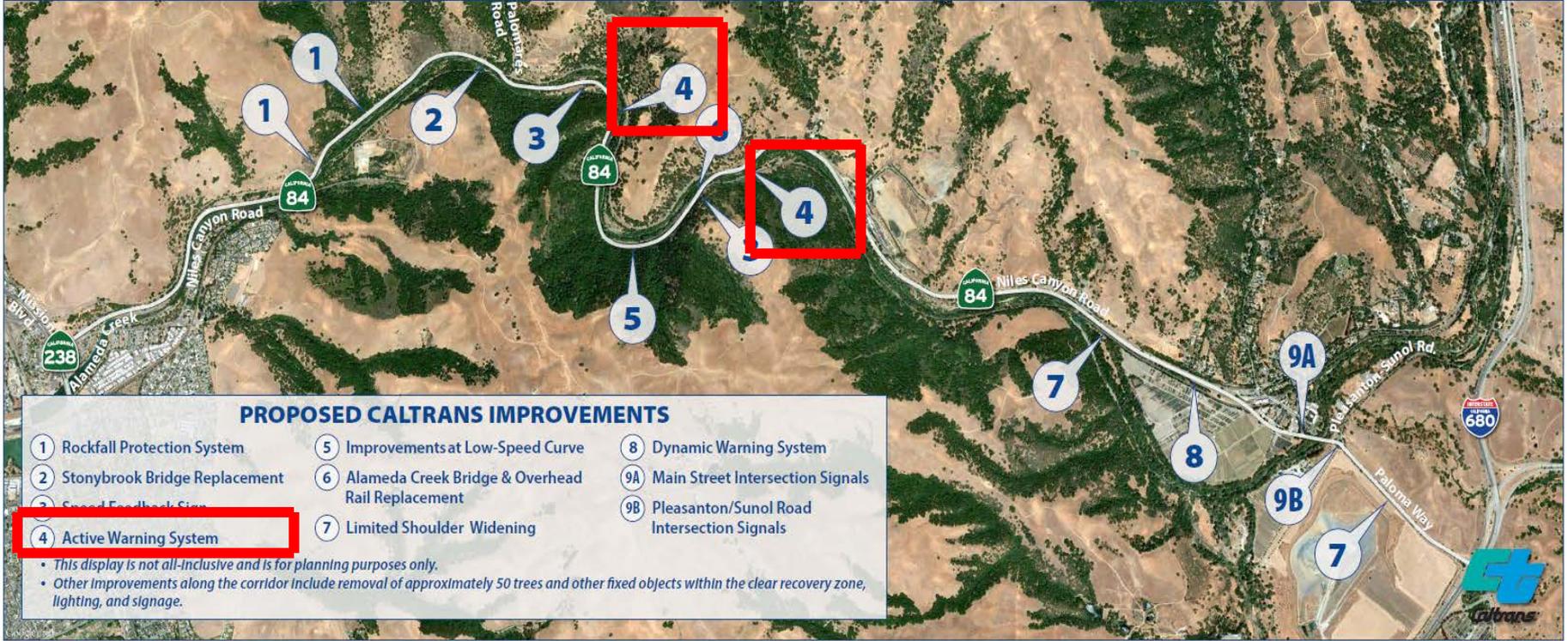
# Install Speed Feedback Signs



Vehicle Speed Feedback Sign



# Niles Canyon Safety Improvements Project



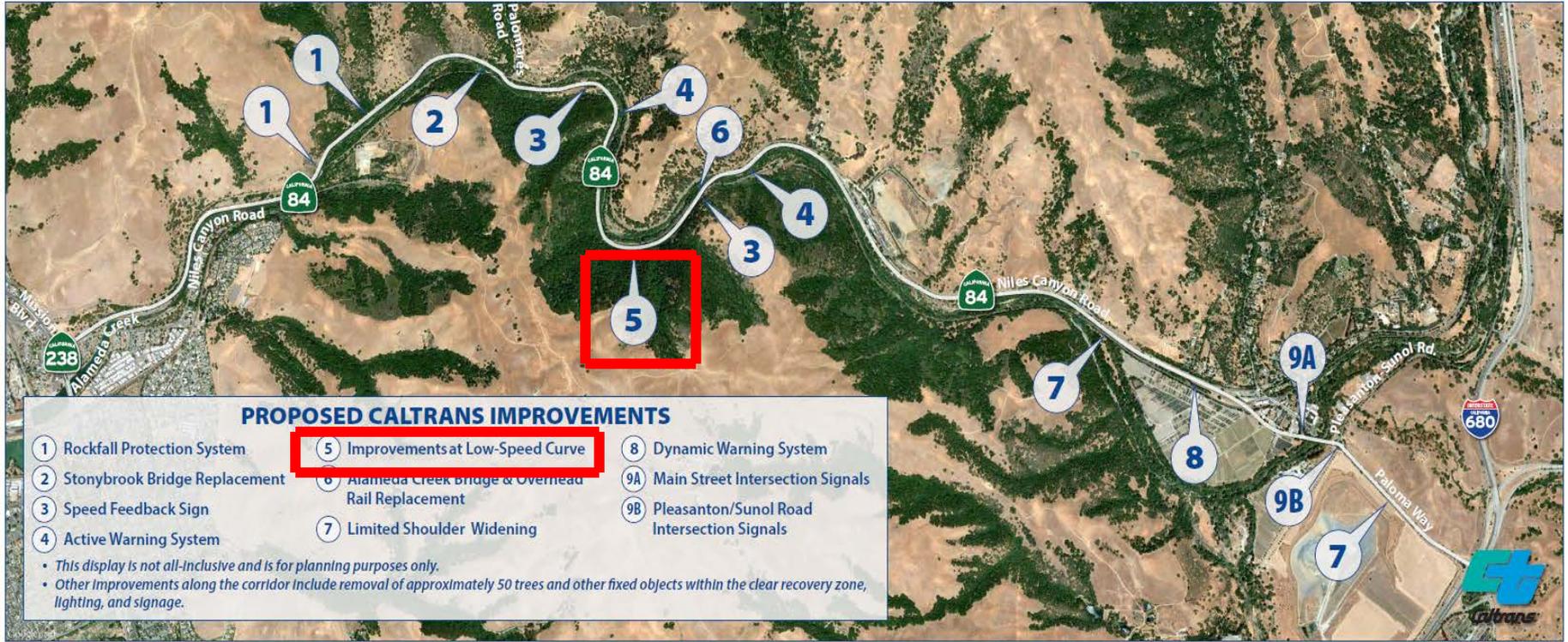


# Install Active Warning System





# Niles Canyon Safety Improvements Project





# Construct improvements at low-speed curve

## Existing Condition





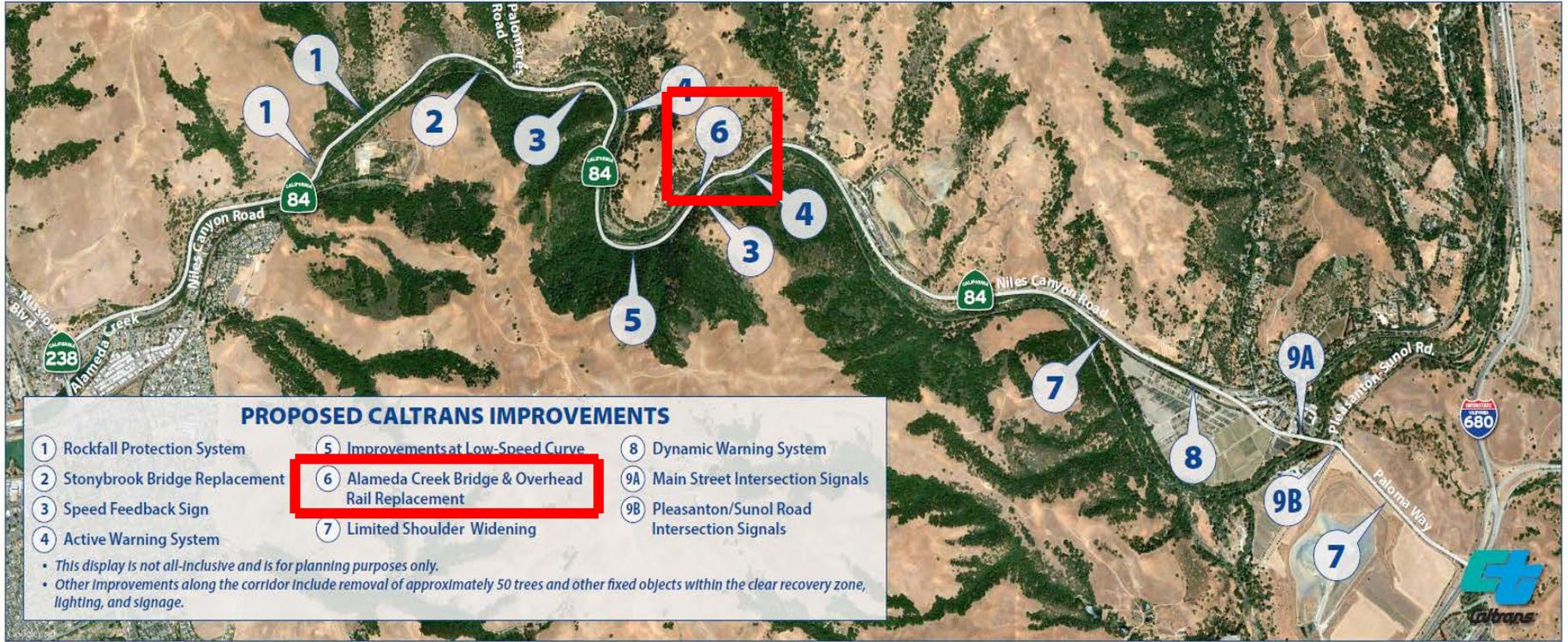
# Construct improvements at low-speed curve

Provide an eight-foot shoulder and construct retaining wall





# Niles Canyon Safety Improvements Project





# Alameda Creek Bridge and Overhead Rail Replacement – Existing Condition





# Alameda Creek Bridge and Overhead Rail Replacement with ST-20S Rail option



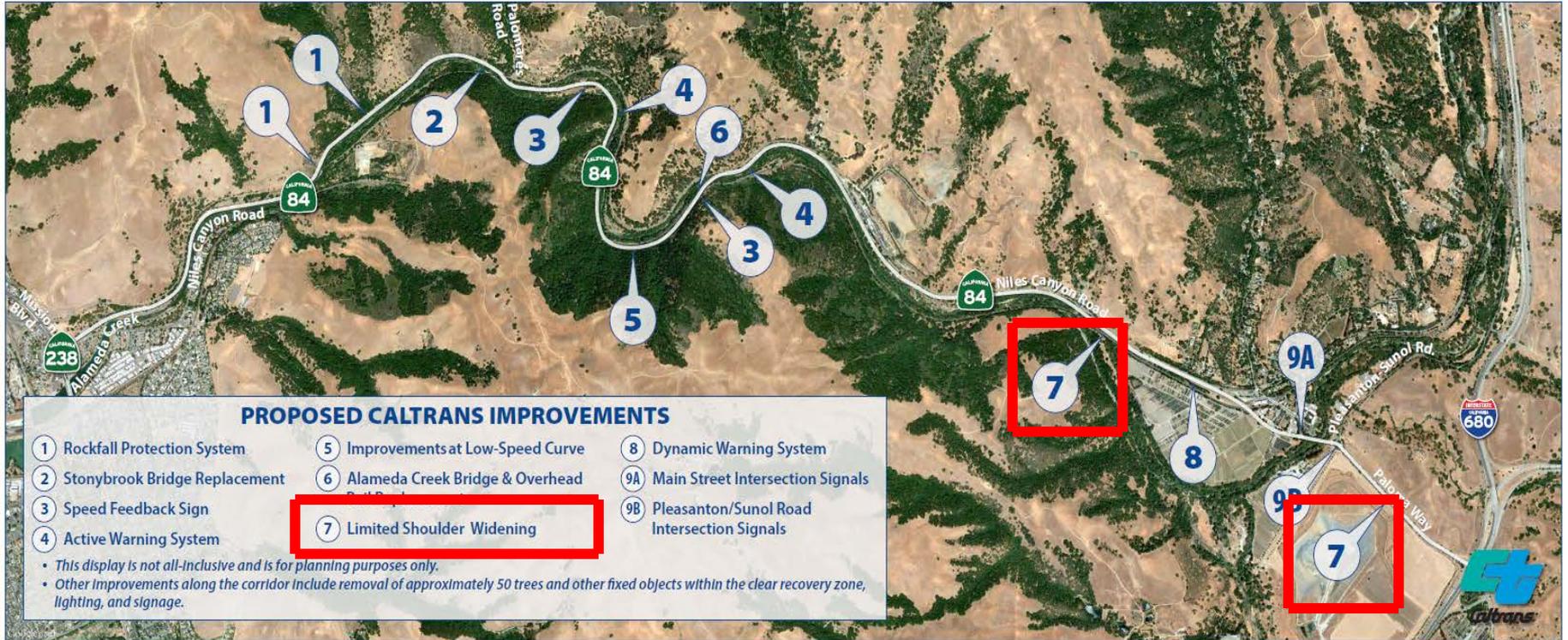


# Alameda Creek Bridge and Overhead Rail Replacement with ST-70 Rail option





# Niles Canyon Safety Improvements Project



# Limited Shoulder Widening at Simms Park





# Limited Shoulder Widening at Paloma Way



Limited shoulder widening,  
approximately 3,000 feet

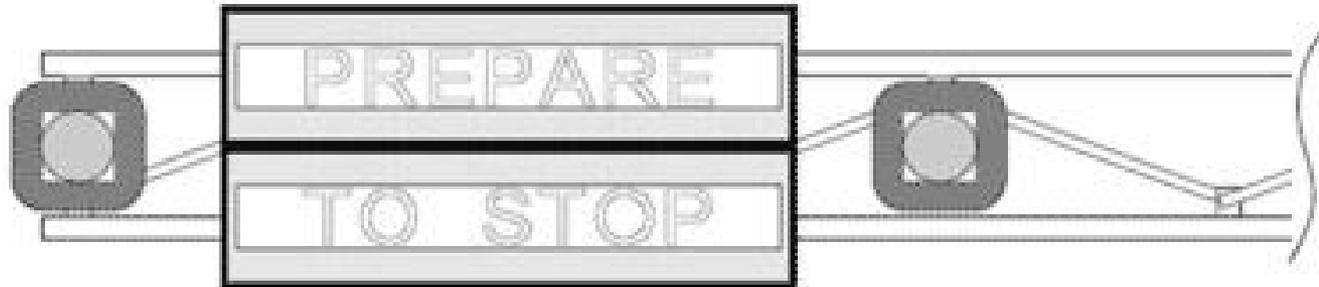
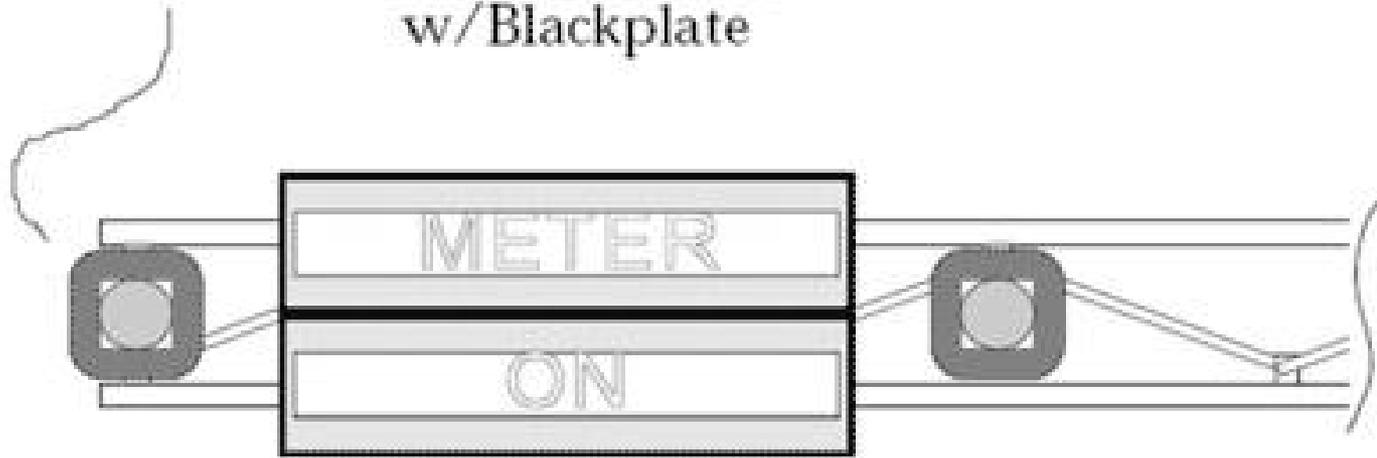


# Niles Canyon Safety Improvements Project



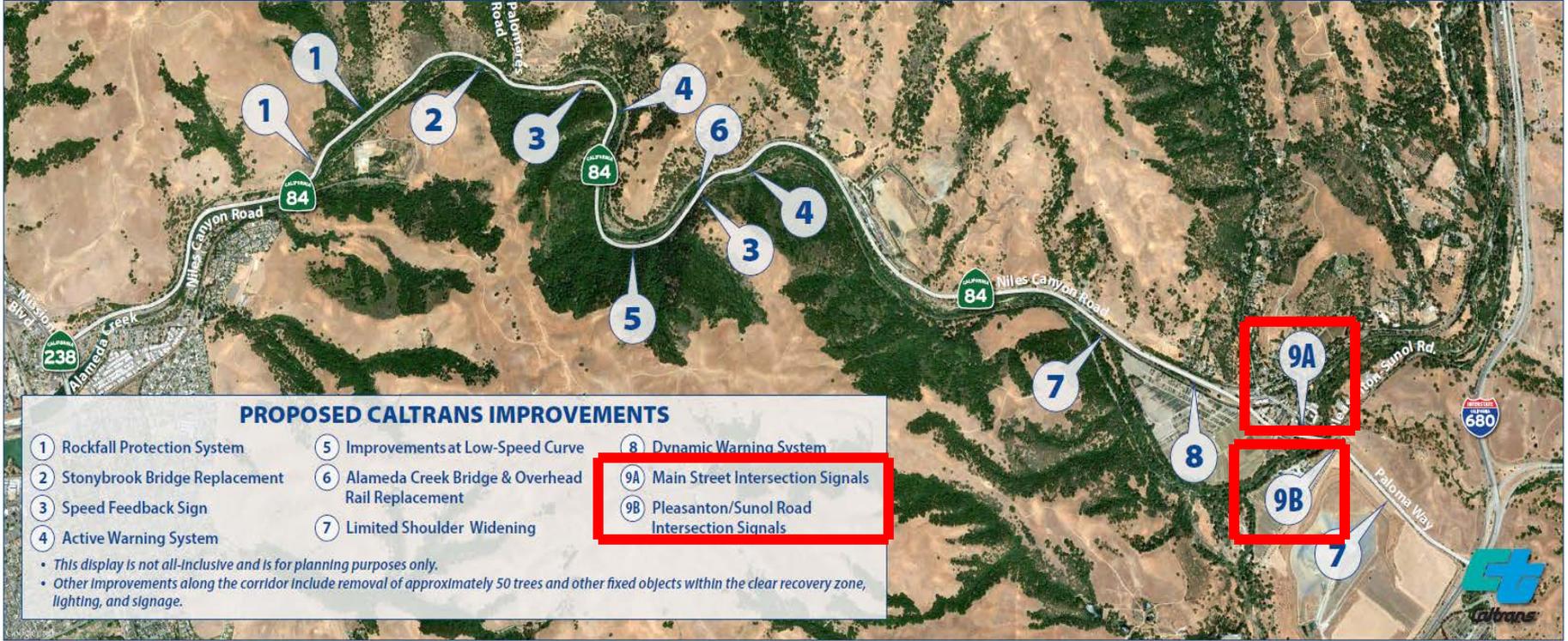
# Install Dynamic Warning System

300 mm Yellow Flashing Beacon  
w/Blackplate





# Niles Canyon Safety Improvements Project





# Pleasanton-Sunol Road Intersection Signals

## Existing Condition





# Pleasanton-Sunol Road Intersection Signals

## Simulated View with Signals



# Pleasanton-Sunol Road Intersection Signals

## Existing Condition





# Pleasanton-Sunol Road Intersection Signals

## Simulated View with Signals



# Other Safety Improvements on SR-84 from SR-238 (Mission Boulevard) to Interstate 680

## Niles Canyon Safety Improvements Project



- Removal of trees and objects within eight feet of the edge of travel-way through the project area
- Installation of traffic signs and lighting at key locations
- Installation of Midwest Guardrail and replacement of existing Metal Beam Guardrail with Midwest Guardrail



# Funding & Schedule

## Funding

Funding is provided by the State Highway Operations and Protection Program (SHOPP).

## Schedule

Public Scoping Meeting	October 14, 2015
Deadline to submit scoping comments	October 30, 2015 at 5:00PM
Issue Draft Environmental Document	Fall 2016
Final environmental document	Early 2017
Complete design	Fall 2018
Start construction	Spring 2019
Complete construction	Spring 2021