



I-680 Sunol Express Lanes

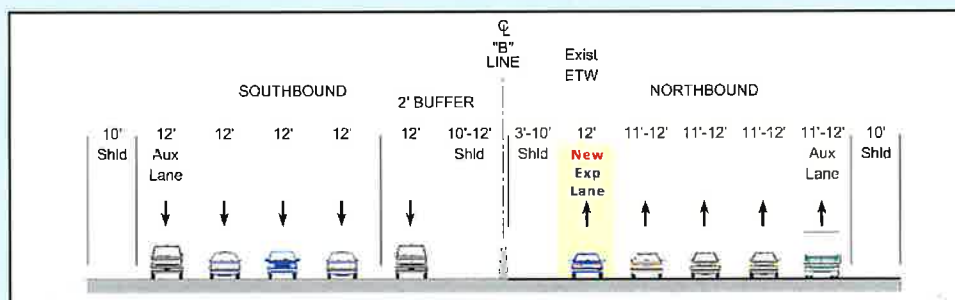
# Air Quality Conformity Task Force Meeting

A Presentation for MTC Air Quality Task Force  
**9.30 AM January 26, 2017**



# I-680 Northbound Express Lane Project from SR 237 to SR 84

- ❖ 15 miles of HOV/HOT
- ❖ Environmental July 2015
- ❖ Project capital cost estimate:
  - Full build - \$380 million
  - Phase 1 - \$260 million



# Purpose

Implement I-680 Express Lane per Metropolitan Transportation Commission (MTC) Transportation 2035 Plan to:

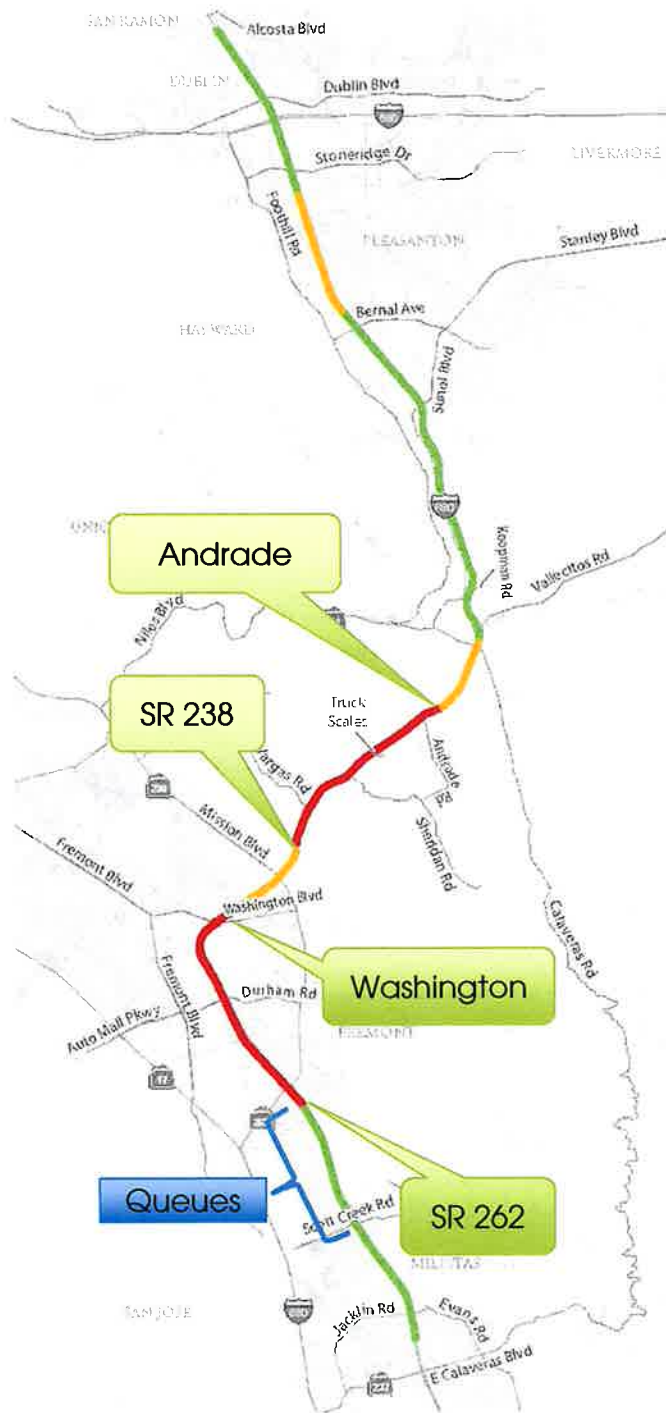
- ❖ Increase efficiency on northbound I-680 between SR 237 and SR 84 to accommodate current and future traffic demand
- ❖ Improve travel time and travel reliability for all users
- ❖ Optimize freeway system management and traffic operations
- ❖ Maintain consistency with the provisions in California State Assembly Bill (AB) 2032 and AB 574 to implement an HOV/express lanes system in Alameda County

## Need

- ❖ Capacity and Transportation Demand.
- ❖ Travel Time Delay for all Users.
- ❖ Traffic Diversion and Unused Capacity
- ❖ Legislation



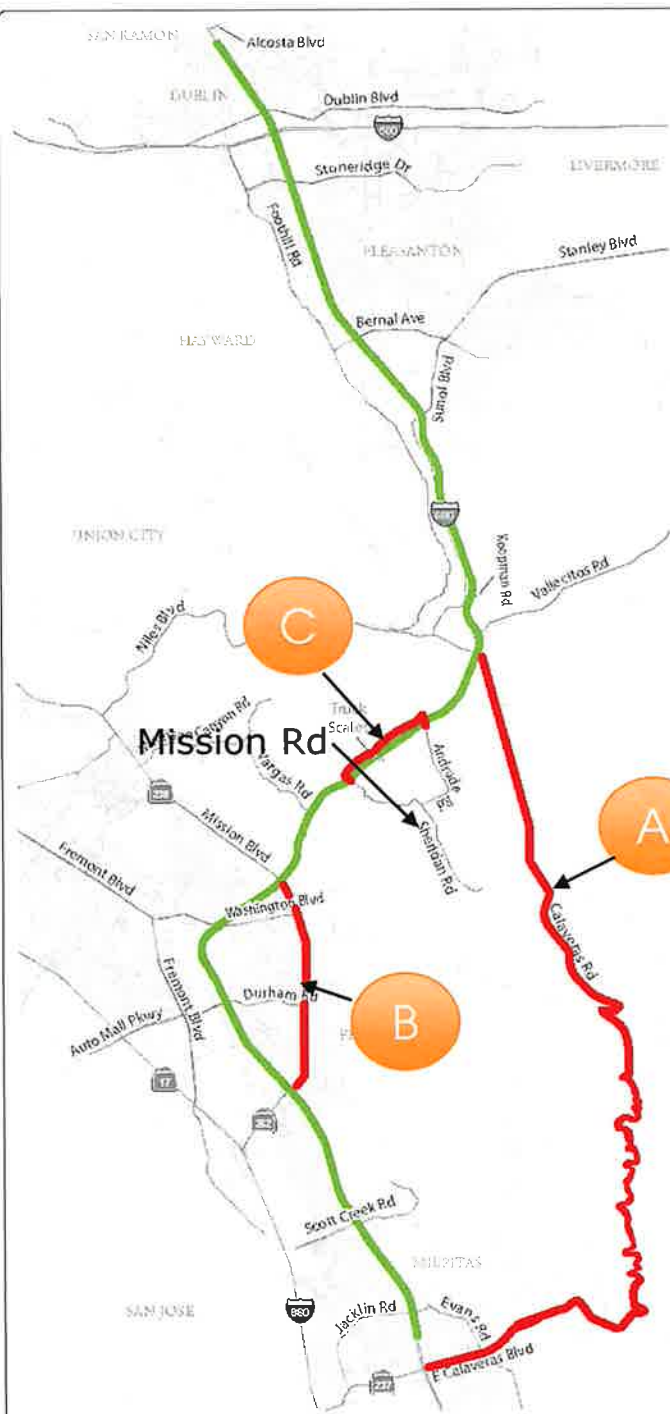
Wed, Apr 6, 2016 5:47:17 pm UTC-0700



# Northbound I-680 Existing Bottleneck Locations

- ❖ Bottlenecks occur during PM peak
  - SR 262 to Washington
  - SR 238 to Andrade
  
- ❖ Queues begin to form around 2PM on weekdays and extend past Scott Creek Road by height of the commute
  
- ❖ Traffic diversions

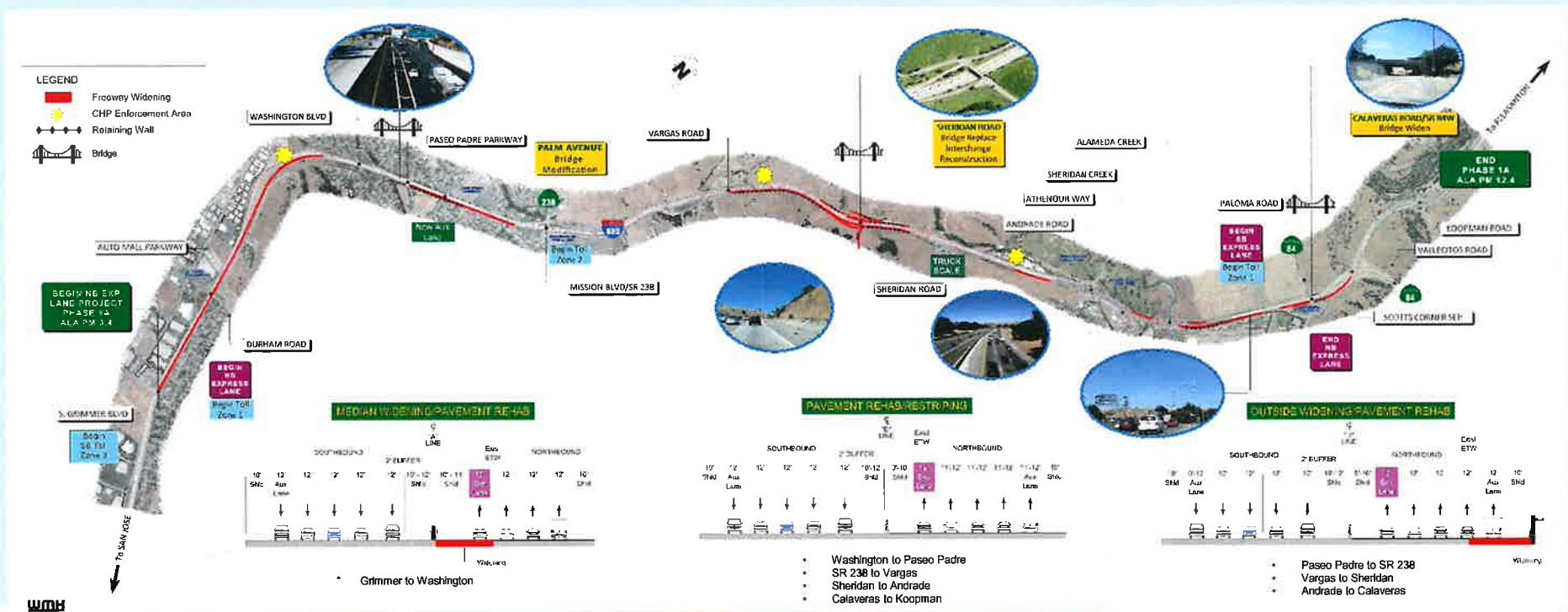
# Traffic Diversions









- A** Calaveras Boulevard (17 miles)
  - ✓ 17 mile diversion
  - ✓ 14 mile freeway
  
- B** Mission Boulevard (3 miles)
  - ✓ 3 mile diversion
  - ✓ 4 mile freeway
  
- C** Mission Road (1.5 miles)
  - ✓ 1.5 mile diversion
  - ✓ Up to 600 vph during PM peak
  - ✓ 1.5 mile freeway

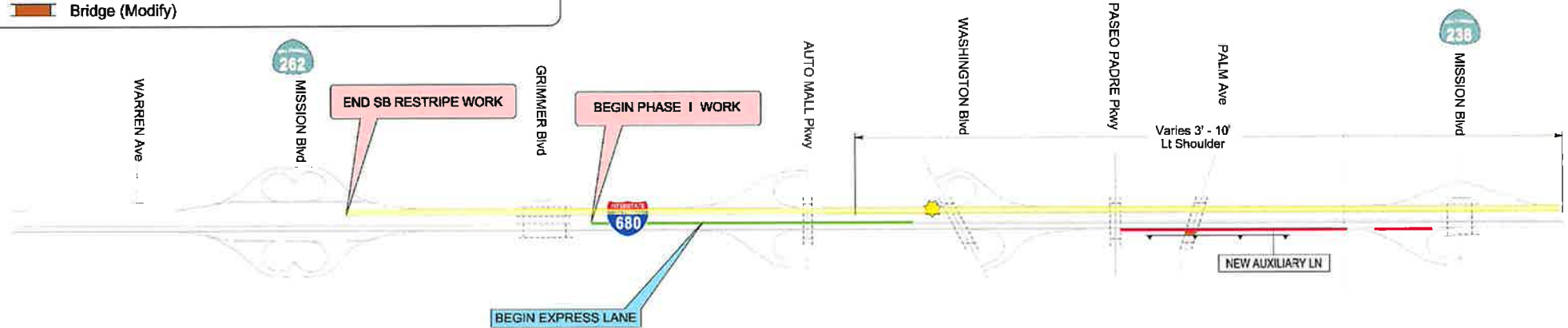
# I-680 Northbound HOV/Express Lane (Phase 1A)

- ❖ New continuous-access HOV/express lane from Auto Mall to SR 84 (Calaveras)
- ❖ New auxiliary lane from Washington on-ramp to SR 238 (Mission) off-ramp
- ❖ Modify 3 bridges (Sheridan, Palm, Calaveras)
- ❖ Construct 9 retaining walls to accommodate Widening
- ❖ Install electronic tolling equipment and signage
- ❖ Install enhanced lighting and other safety features









# I-680 Sunol HOV/Express Lanes Schematic Layout (SR 262 to SR 238)

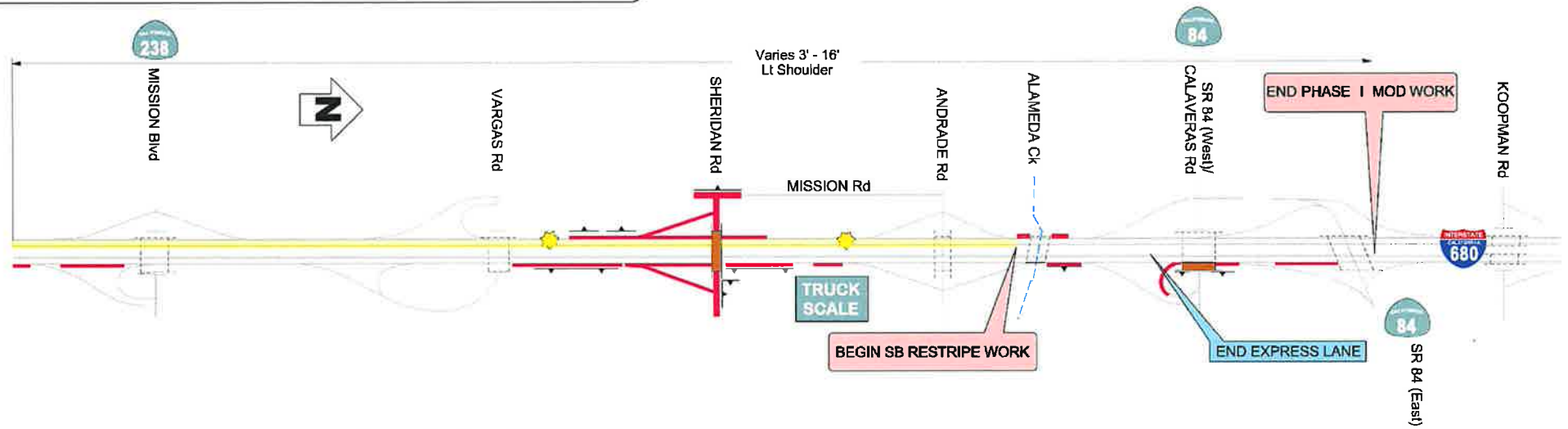
- LEGEND**
-  Restripe SB Express Lane
  -  Proposed Widening (Outside Freeway, Ramp, Local Road)
  -  Proposed Median Widening
  -  Proposed Retaining Walls
  -  Proposed California Highway Patrol (CHP) Median Observation Area
  -  Bridge (Modify)



# I-680 Sunol HOV/Express Lanes Schematic Layout (SR 238 to Koopman)

**LEGEND**

-  Restripe SB Express Lane
-  Proposed Widening (Outside Freeway, Ramp, Local Road)
-  Proposed Median Widening
-  Proposed Retaining Walls
-  Proposed California Highway Patrol (CHP) Median Observation Area
-  Bridge (Modify)







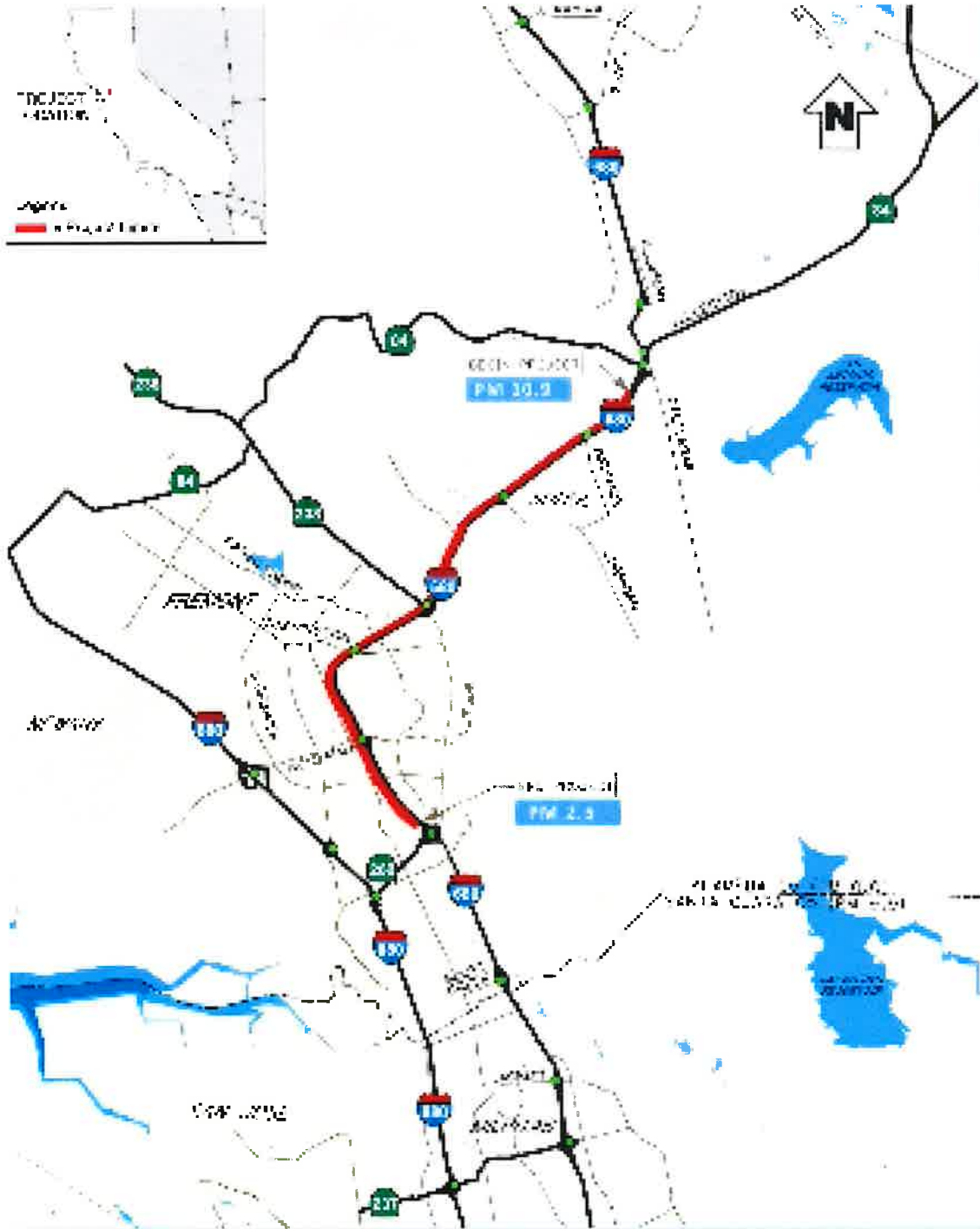
# I-680 Southbound Sunol Express Lane Conversion



I-580 Express Lanes  
*Open Access*



I-680 Southbound Express Lanes  
*Limited Access*



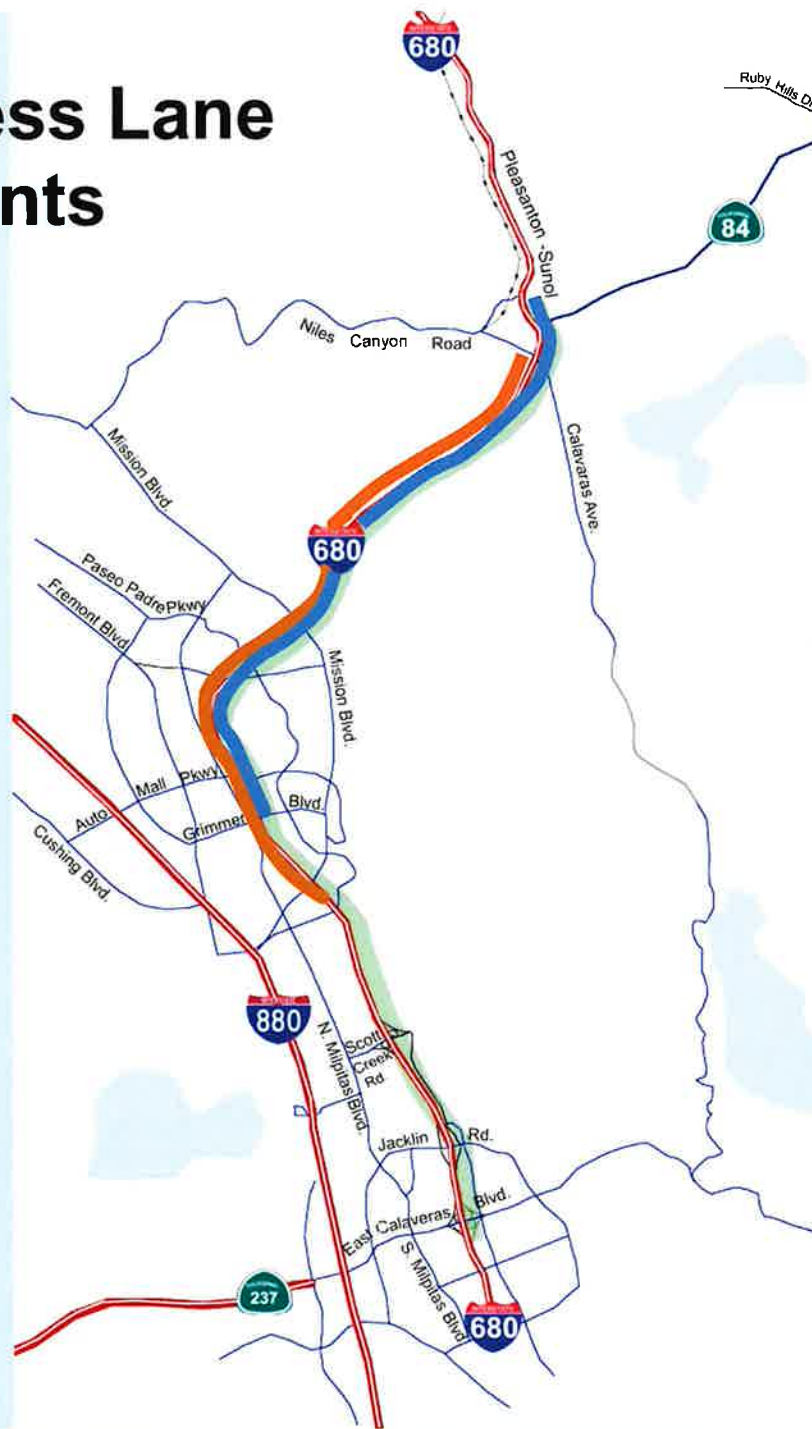
## I-680 Rehabilitation Project

- ❖ South of Auto Mall to SR 84
- ❖ Replace ~800 failed slabs
- ❖ Crack seal and overlay
- ❖ Overlay ramps
- ❖ Misc.safety improvements

# I-680 Sunol Express Lane Project Components

## Southbound Conversion

- ❖ Southbound Conversion to continuous access from SR262 (Mission) to SR84
- ❖ Integrate the converted express lane system with existing SB toll system, south of SR262
- ❖ Create a single toll operation for NB & SB



## Northbound Phase 1A:

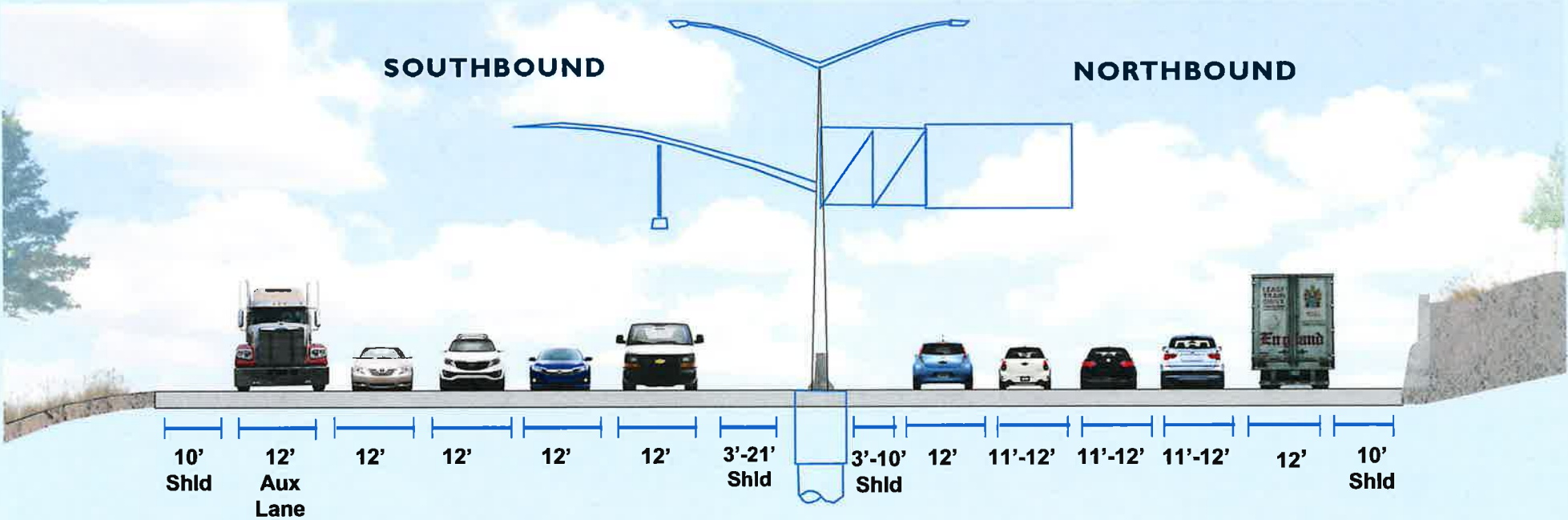
- ❖ South of Auto Mall to SR 84
- ❖ 8.2 miles of HOV/HOT lane

## SHOPP Rehab:

- ❖ South of Auto Mall to Koopman



# The Final Product



# Construction Cost

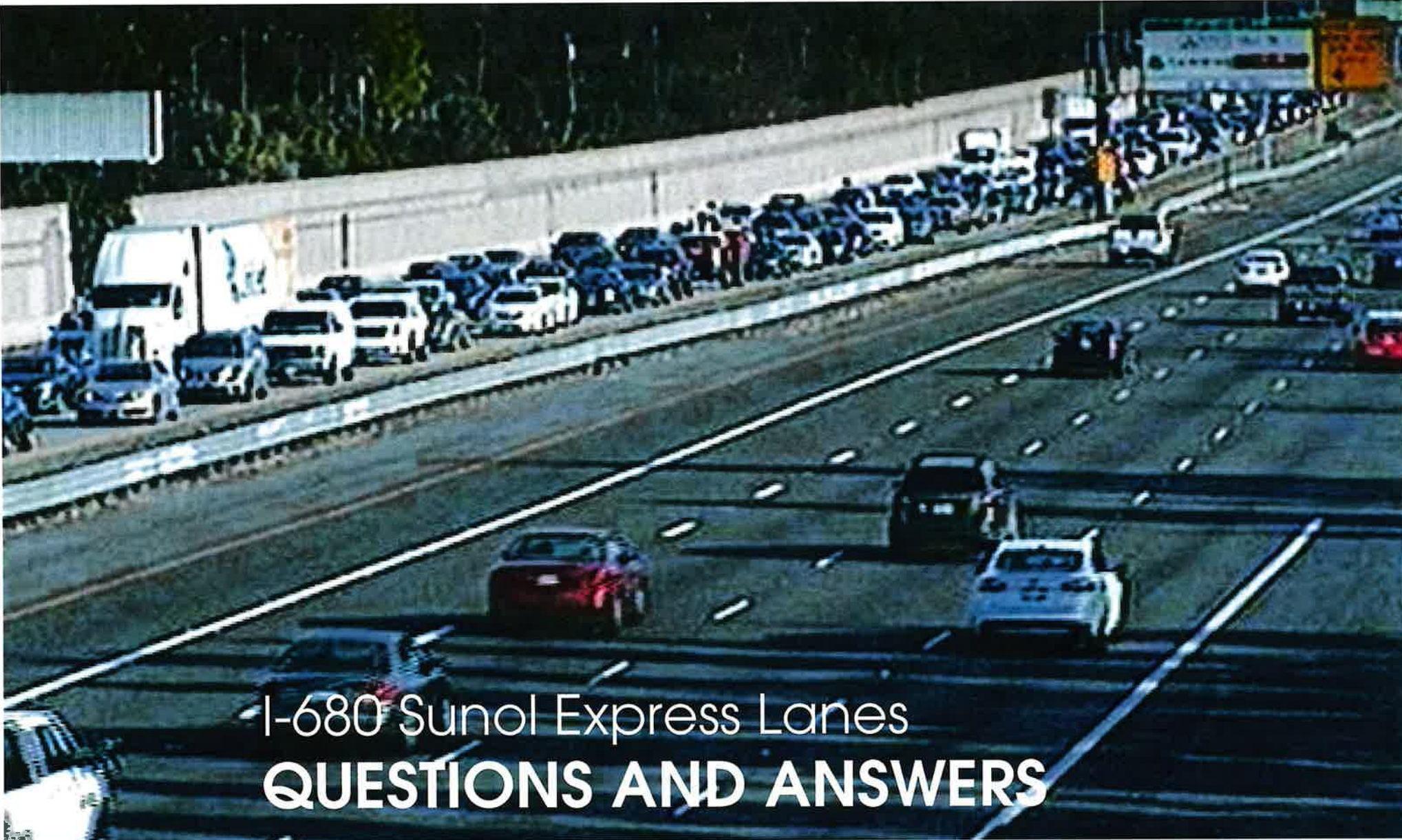
❖ Full Project	\$140.8M (structure items ~\$37M)
❖ Pavement Rehab	\$36.7M
❖ Express Lane	\$104.1M *

\* includes \$6.4M for Southbound I-680 Access Conversion

# Schedule

Milestone	Date
Complete PS&E	March 2017
RTL	April, 2017
CTC Meeting	May, 2017
Advertise	June, 2017
Award	September, 2017
Begin Construction	October, 2017
Complete Construction	March, 2020

\* Approximate Number of Construction Days 440 WDAY



# I-680 Sunol Express Lanes **QUESTIONS AND ANSWERS**

