Contractor Outreach

for the

I-680 Sunol Express Lane – Northbound

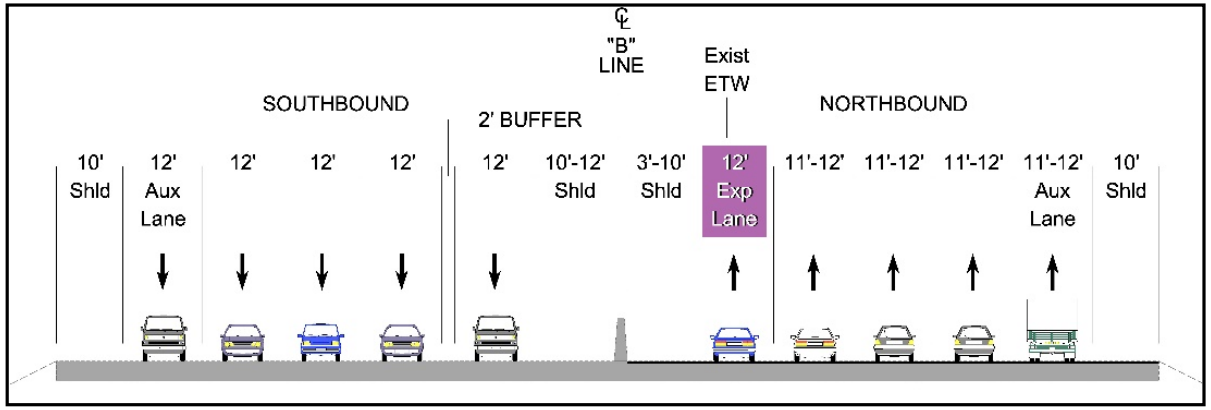
Caltrans EA 04-4G0564
Alameda CTC PN 1369.000

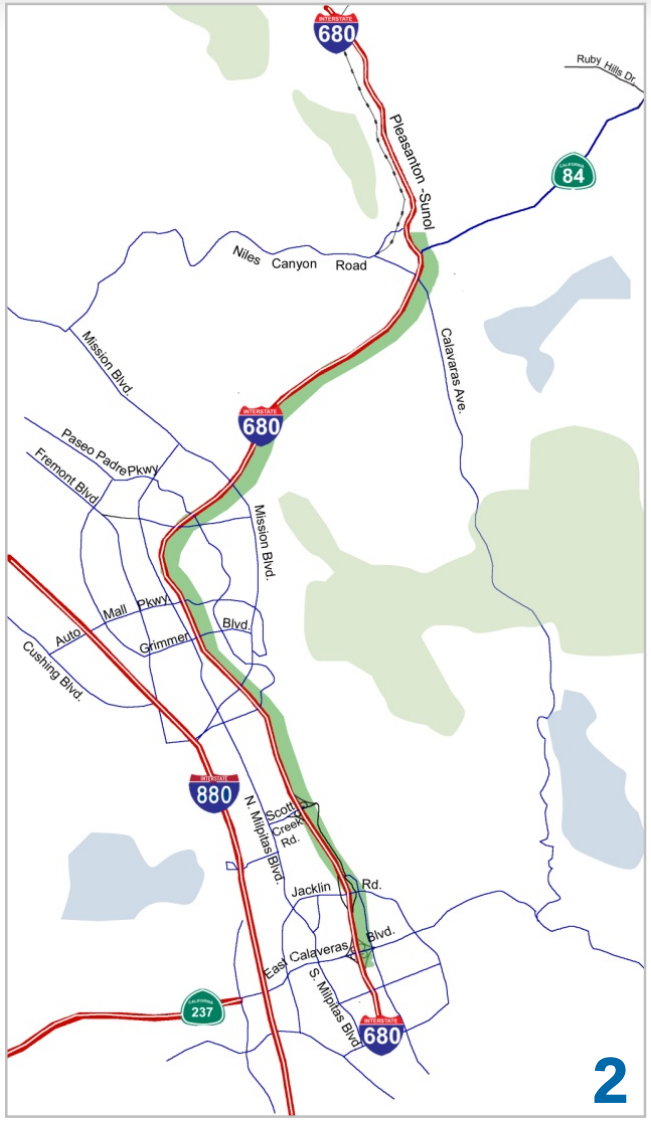
Tuesday, June 13, 2017, 3 p.m.

I-680 Sunol Express Lane – Northbound

Auto Mall Boulevard to State Route 84

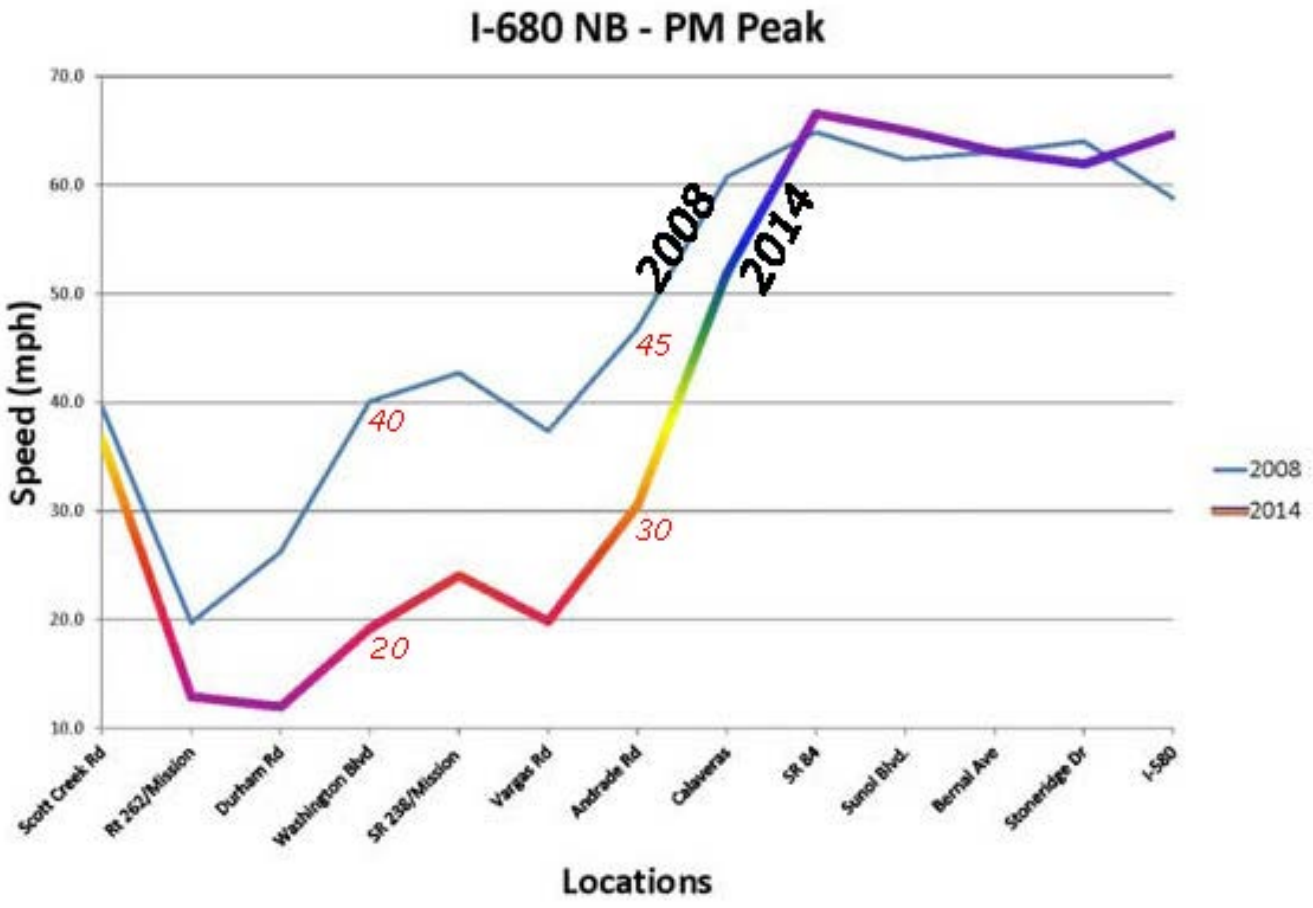
- 9 miles of high occupancy vehicle (HOV)/ high occupancy toll (HOT) lanes
- Environmental clearance: July 2015
- Construction estimate: $100 to $125 million





Historical Traffic Speed Trends

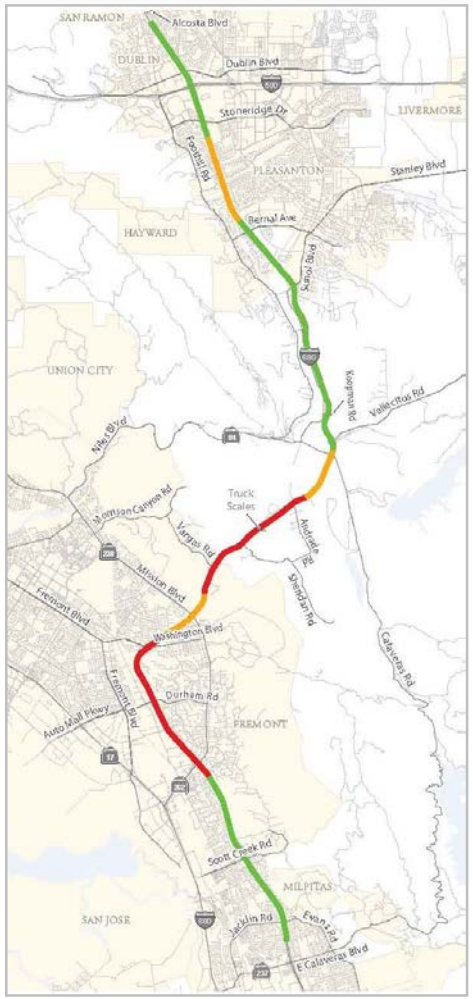
- Corridor traffic volume increase resulted in lower p.m. peak average speed from north of Scott Creek Road through SR-84 in 2014 compared to 2008



Existing Northbound I-680

Bottleneck locations

- Bottlenecks occur during p.m. peak periods
  - SR-262 to Washington
  - SR-238 to Andrade
- Some traffic diverts onto local roads
- Queues begin to form around 2 p.m. on weekdays and extend past Scott Creek Road by height of the commute



Project Overview

Location

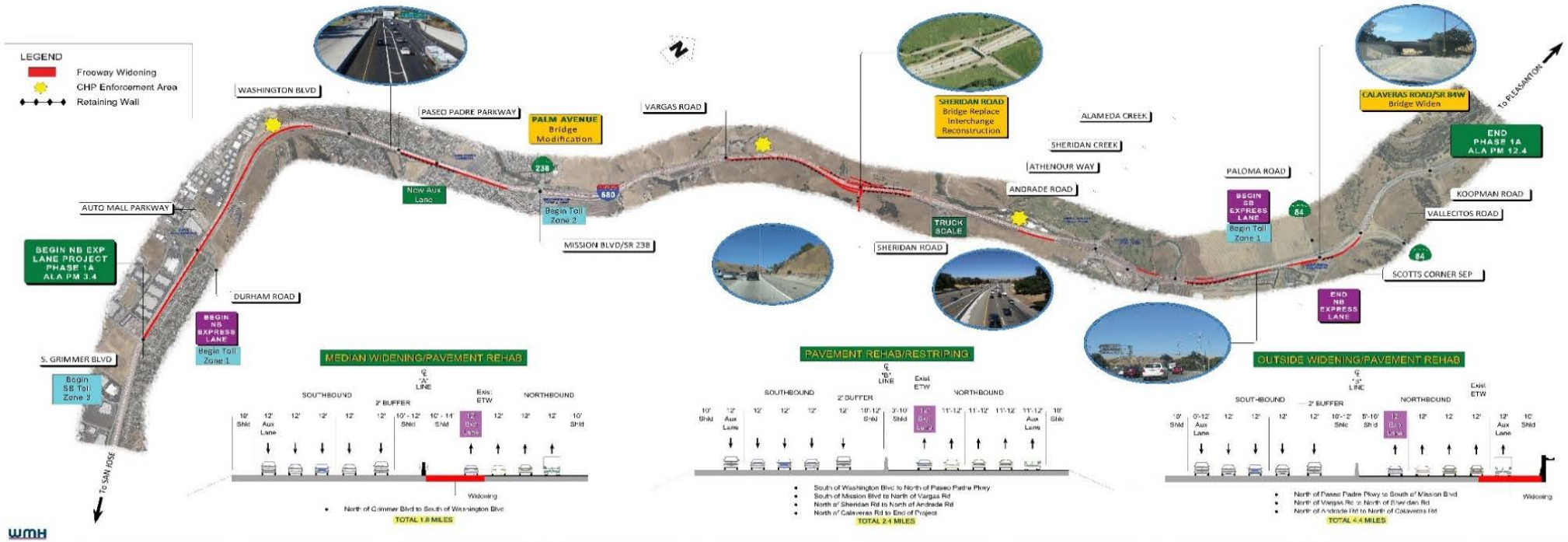
I-680 in southern Alameda County between Mission Boulevard (SR-262) and Koopman Road, approximately 10 miles of corridor improvements

Three key scope components

- **Construction** of a new I-680 northbound (NB) express lane between Auto Mall Parkway and SR-84
- **Conversion** of existing I-680 southbound (SB) express lane
- **Pavement rehabilitation** of existing freeway lanes

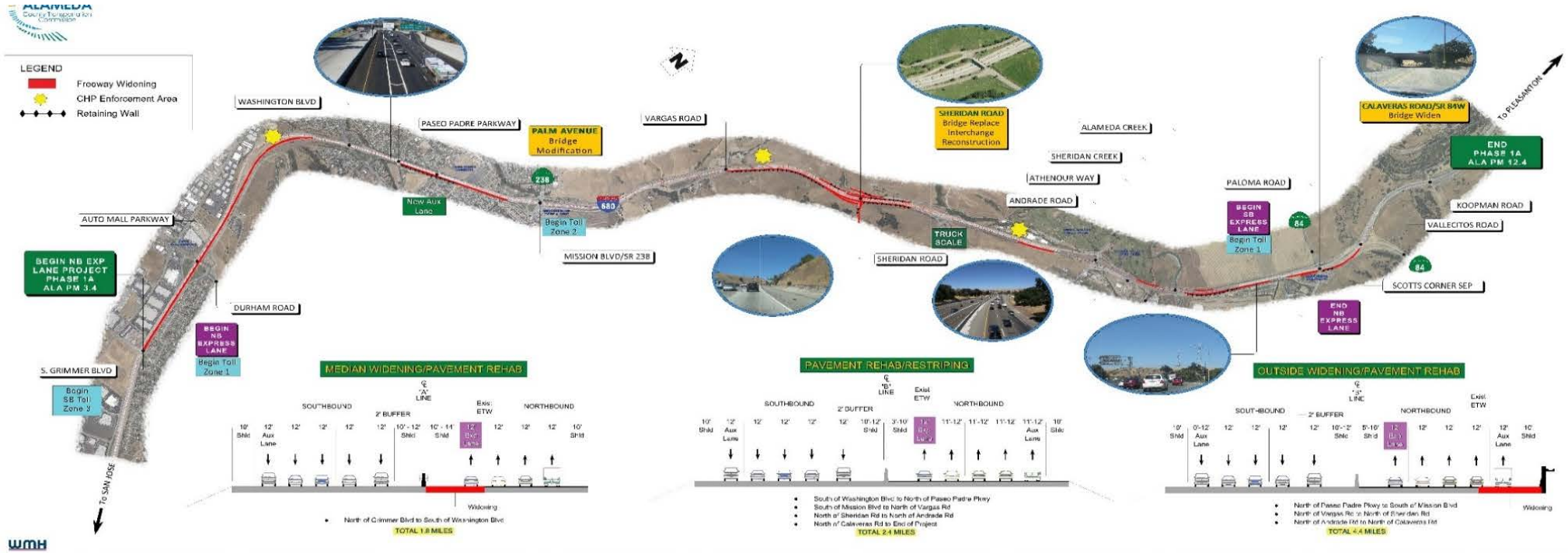
I-680 Sunol Express Lane – Northbound

- **Add new continuous-access HOV/express lane from Auto Mall to SR-84 (Calaveras)**
- Widen roadway in the median and to the outside
- Construct new auxiliary lane from Washington on-ramp to SR-238 (Mission) off-ramp
- Modify three bridges (Sheridan, Palm, Calaveras)



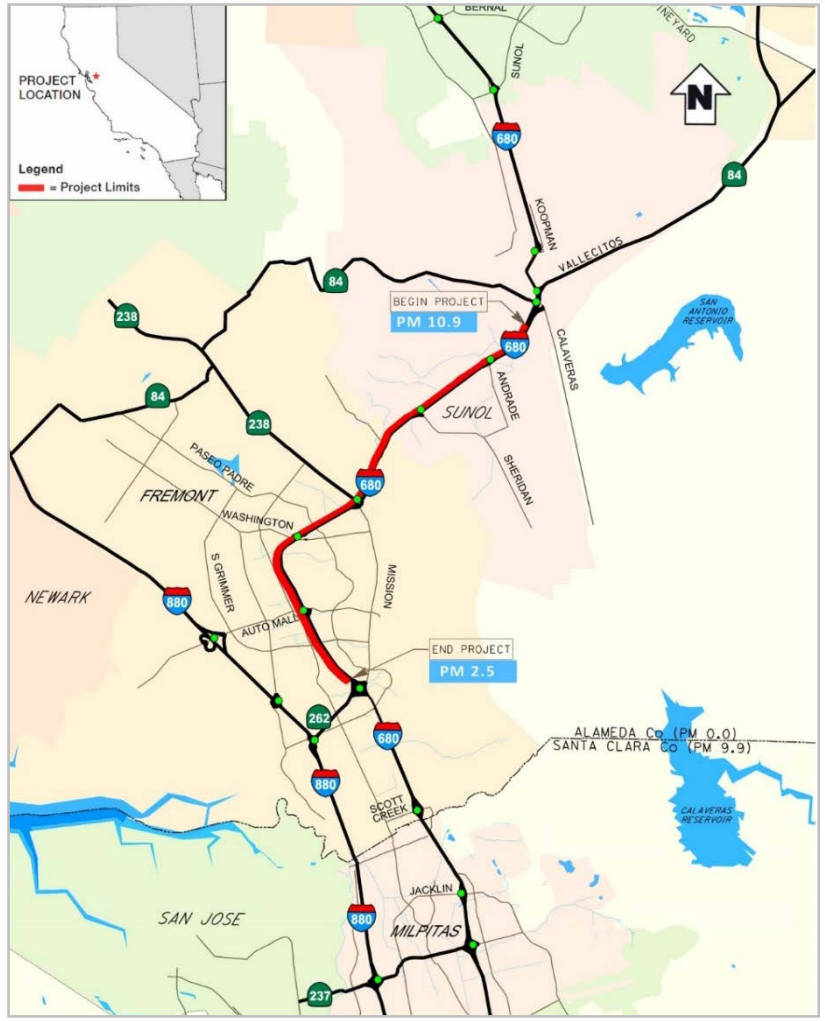
I-680 Sunol Express Lane – Northbound

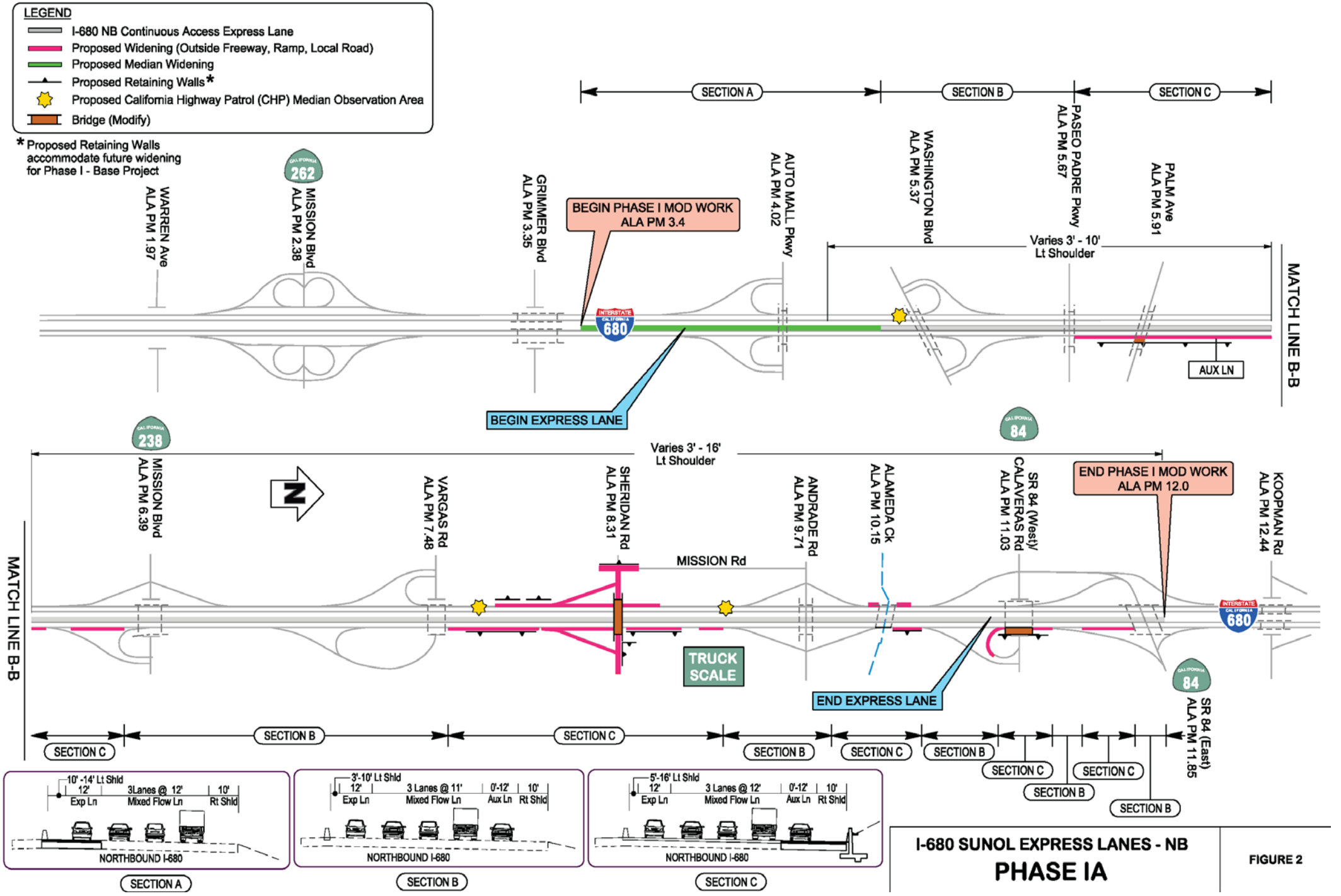
- Construct nine retaining walls to accommodate widening
- Rehab existing pavement from Auto Mall Parkway to Koopman Road
- **Install electronic tolling equipment and signage**
- Install enhanced lighting and other safety features



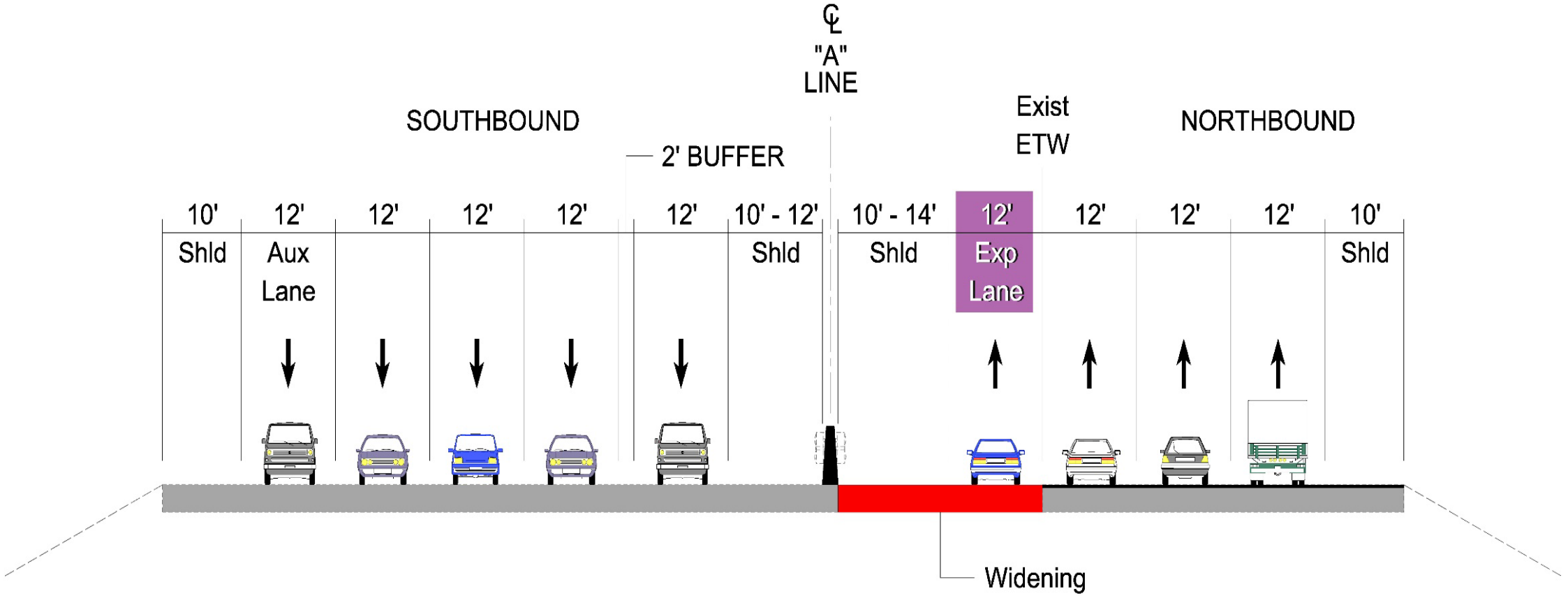
Southbound Sunol Express Lane Conversion

- Convert SB express lane to continuous access from SR-262 (Mission Boulevard) to SR-84
- Integrate existing SB elements into the new toll system, south of SR-262
- Create a single toll operation for NB and SB




LEGEND
I-680 NB Continuous Access 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)
* Proposed Retaining Walls accommodate future widening for Phase I - Base Project
SECTION A
SECTION B
SECTION C
WARREN Ave ALA PM 1.97
MISSION Blvd ALA PM 2.38
GRIMMER Blvd ALA PM 3.35
BEGIN PHASE I MOD WORK ALA PM 3.4
AUTO MALL Pkwy ALA PM 4.02
WASHINGTON Blvd ALA PM 5.37
PASEO PADRE Pkwy ALA PM 5.67
PALM Ave ALA PM 5.91
Varies 3' - 10' Lt Shoulder
AUX LN
MATCH LINE B-B
BEGIN EXPRESS LANE
Varies 3' - 16' Lt Shoulder
MISSION Blvd ALA PM 6.39
VARGAS Rd ALA PM 7.48
SHERIDAN Rd ALA PM 8.31
MISSION Rd
ANDRADE Rd ALA PM 9.71
ALAMEDA Ck ALA PM 10.15
SR 84 (West)/ CALAVERAS Rd ALA PM 11.03
END PHASE I MOD WORK ALA PM 12.0
KOOPMAN Rd ALA PM 12.44
TRUCK SCALE
END EXPRESS LANE
SR 84 (East) ALA PM 11.85
10'-14' Lt Shld
12' Exp Ln
3Lanes @ 12' Mixed Flow Ln
10' Rt Shld
NORTHBOUND I-680
SECTION A
3'-10' Lt Shld
12' Exp Ln
3 Lanes @ 11' Mixed Flow Ln
0'-12' Aux Ln
10' Rt Shld
NORTHBOUND I-680
SECTION B
5'-16' Lt Shld
12' Exp Ln
3 Lanes @ 12' Mixed Flow Ln
0'-12' Aux Ln
10' Rt Shld
NORTHBOUND I-680
SECTION C
I-680 SUNOL EXPRESS LANES - NB
PHASE IA
FIGURE 2

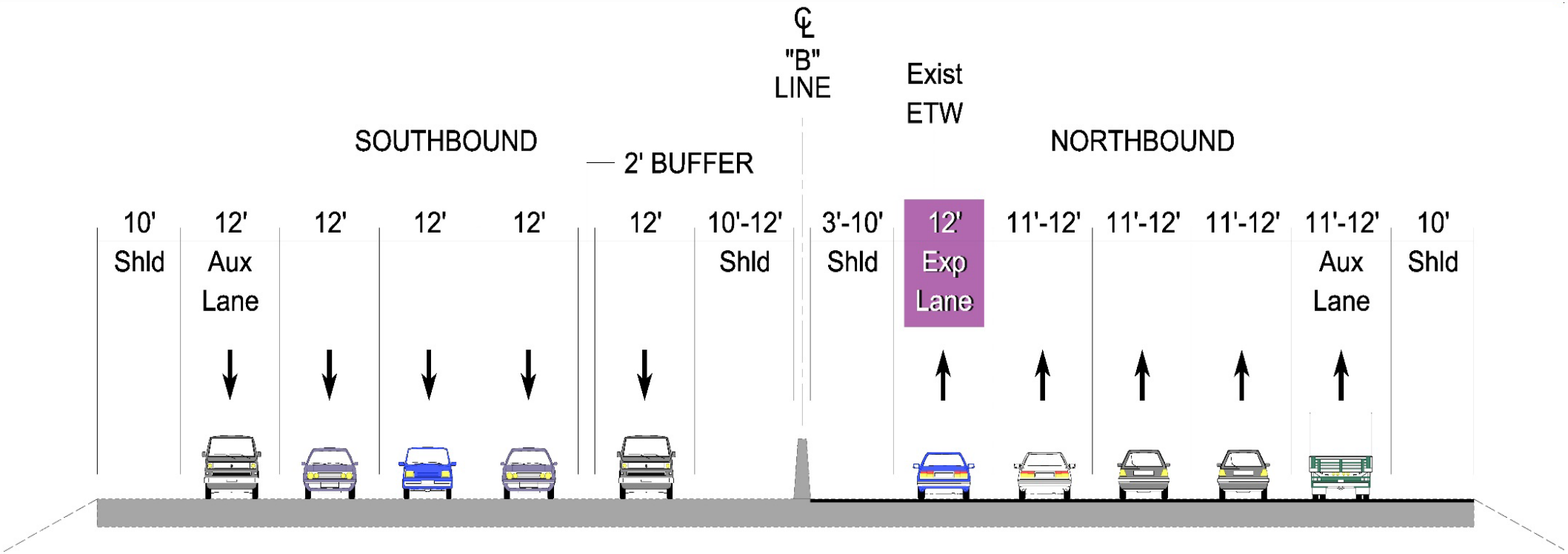
Median Widening/Pavement Rehab



- North of Grimmer Blvd to South of Washington Blvd

TOTAL 1.8 MILES

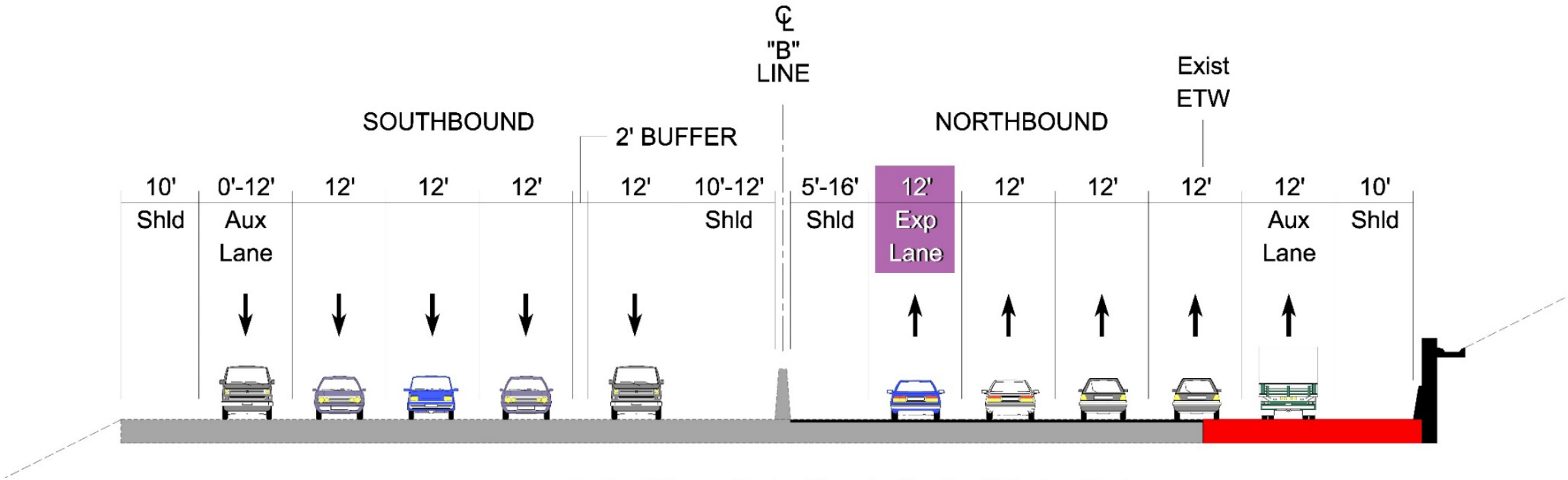
Pavement Rehab/Restriping



- South of Washington Blvd to North of Paseo Padre Pkwy
- South of Mission Blvd to North of Vargas Rd
- North of Sheridan Rd to North of Andrade Rd
- North of Calaveras Rd to End of Project

TOTAL 2.4 MILES

Outside Widening/Pavement Rehab



- North of Paseo Padre Pkwy to South of Mission Blvd
- North of Vargas Rd to North of Sheridan Rd
- North of Andrade Rd to North of Calaveras Rd

Widening

TOTAL 4.4 MILES

Project Scope

Adjacent/overlapping project coordination

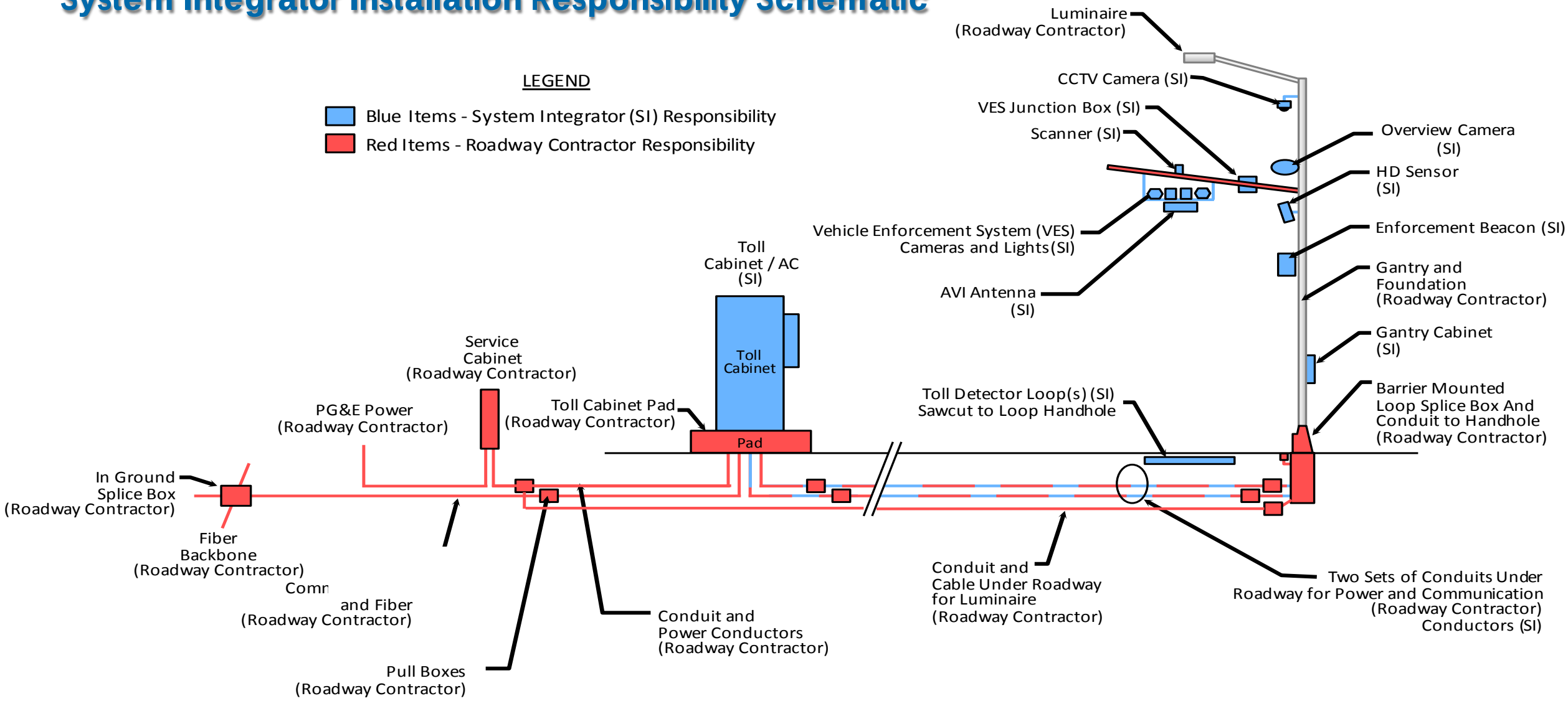
- Pavement rehabilitation on I-680
- Freeway Performance Initiative (FPI) ramp metering
- Toll system installation contract (Kapsch and a subcontracted local electrical contractor)

General construction elements (subcontracting opportunities)

- Asphalt paving
- New roadway section
- Pre-cast pavement slab replacement
- Bridge replacement and modifications
- Retaining walls
- Median barrier reconstruction
- **Toll system civil infrastructure**
  **** SPECIALTY WORK & COORDINATION REQUIREMENTS ****
- Electrical and lighting systems
- Overhead sign structures and safety lighting
- Traffic control

Typical Tolling Gantry Infrastructure

System Integrator Installation Responsibility Schematic



Toll Gantry Side View
(Not to Scale)

Major Work Items

Electrical Work (Power, Communication, Lighting, Traffic Operations System and Toll System)	> $15M
Bridge Widening and Retaining Walls	> $35M
Drainage Work	> $2M
Signage and Striping	> $2.5M
Concrete Barrier, Guard Rail	> $6.5M
Temporary K-rail	~ 110,000 LF
Roadway/Structure Excavation	~ 150,000 CY
Asphalt Concrete (Hot Mix, etc.)	~ 180,000 Ton
Concrete Pavement Slab Replacement	~ 5,000 CY

Project Schedule Milestones

- Advertisement (check the Caltrans website) — August 2017
- Bid Opening — September 2017
- Construction Contract Award — October 2017
- First Working Day — December 2017
- Construction Complete — Spring 2020 (estimate)

Note: Project schedule is subject to change. All of the above dates are tentative unless otherwise noted.

Schedule: Construction Working Hours

Daytime work (7 a.m. to 5 p.m. – typical)

- Maintain existing lane configurations
- Shoulder closures
- Work behind k-rail

Nighttime work (11 p.m. to 5 a.m. – typical)

- Mainline lane closures
- Ramp closures
- Full freeway closure
- Sheridan Road overcrossing
- Traffic detours required for ramp and full closures

Restrictions on closures for holidays and special events

Project Budget

- Construction contract range estimated at $100-$125 million
- Caltrans will be the implementing agency for the construction phase
- The Alameda County Transportation Commission (Alameda CTC) is a project sponsor and funding partner

Disadvantaged Business Enterprise Requirements

- Disadvantaged Business Enterprise (DBE) utilization requirements are anticipated to apply to this construction contract opportunity (given that Caltrans will be advertising)
- Contract specific requirements will be listed in the solicitation for bids

Project Resources

- Caltrans projects: **http://www.dot.ca.gov/projects.htm**
- Caltrans Division of Engineering Services – Program/Project Management and Office Engineer: **http://www.dot.ca.gov/des/oe/**
- Caltrans DBE database: **www.californiaucp.org**
- Alameda CTC Local Business Contract Equity Program (LBCE) database: **http://www.alamedactc.org/app_pages/view/4543**

Next Steps

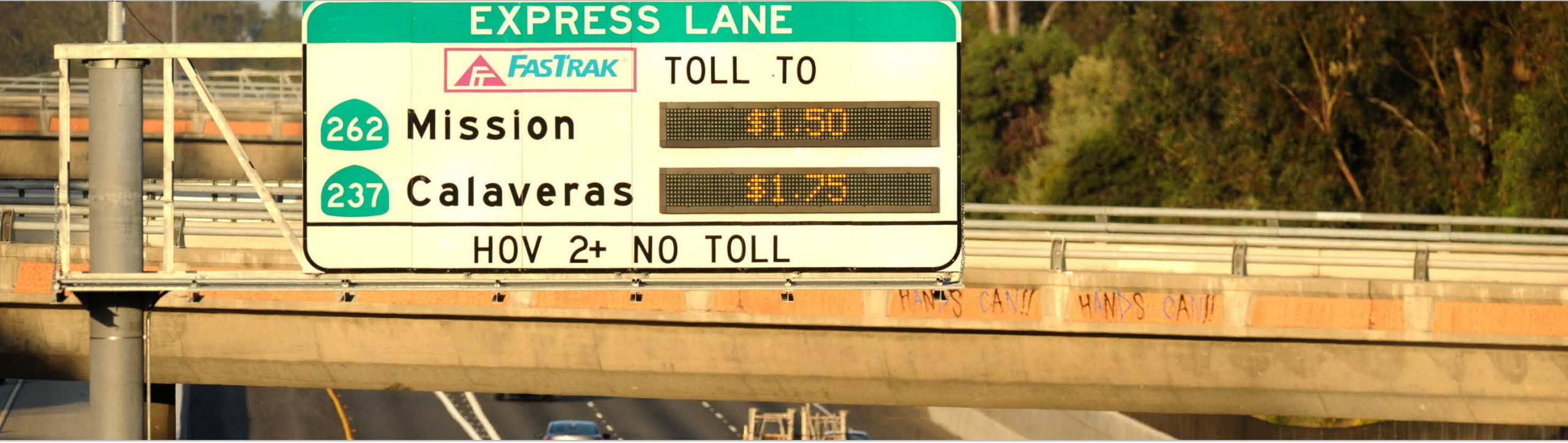
July/August 2017

- Monitor Caltrans pending advertisements and request bid package

August/September 2017

- Participate in anticipated mandatory Caltrans pre-bid meeting, including review of anticipated DBE requirements

We look forward to seeing several competitive bids from carefully assembled contracting teams tailored for this project.


EXPRESS LANE
FASTRAK
TOLL TO
262 Mission
$1.50
237 Calaveras
$1.75
HOV 2+ NO TOLL
HANDS CAN!!
HANDS CAN!!

Q & A