

I-680 Northbound HOV / Express Lane

Program and Projects Committee

*Alameda County Transportation Commission
(Alameda CTC)*

April 11, 2011



I-680 North Bound HOV Lane Delivery Plan

- ❖ Caltrans Approved Project Report and Environmental Document in 2005
- ❖ Project Limits: Calaveras 237 to Calaveras 84, 13.7 miles
 - 14 miles HOV Lane
 - 5 Auxiliary Lanes
 - Replace Sheridan OC
 - Widen Grimmer UC, Mission 238 UC, Vargas UC, Alameda Creek and Scott Creek
 - Retaining Walls

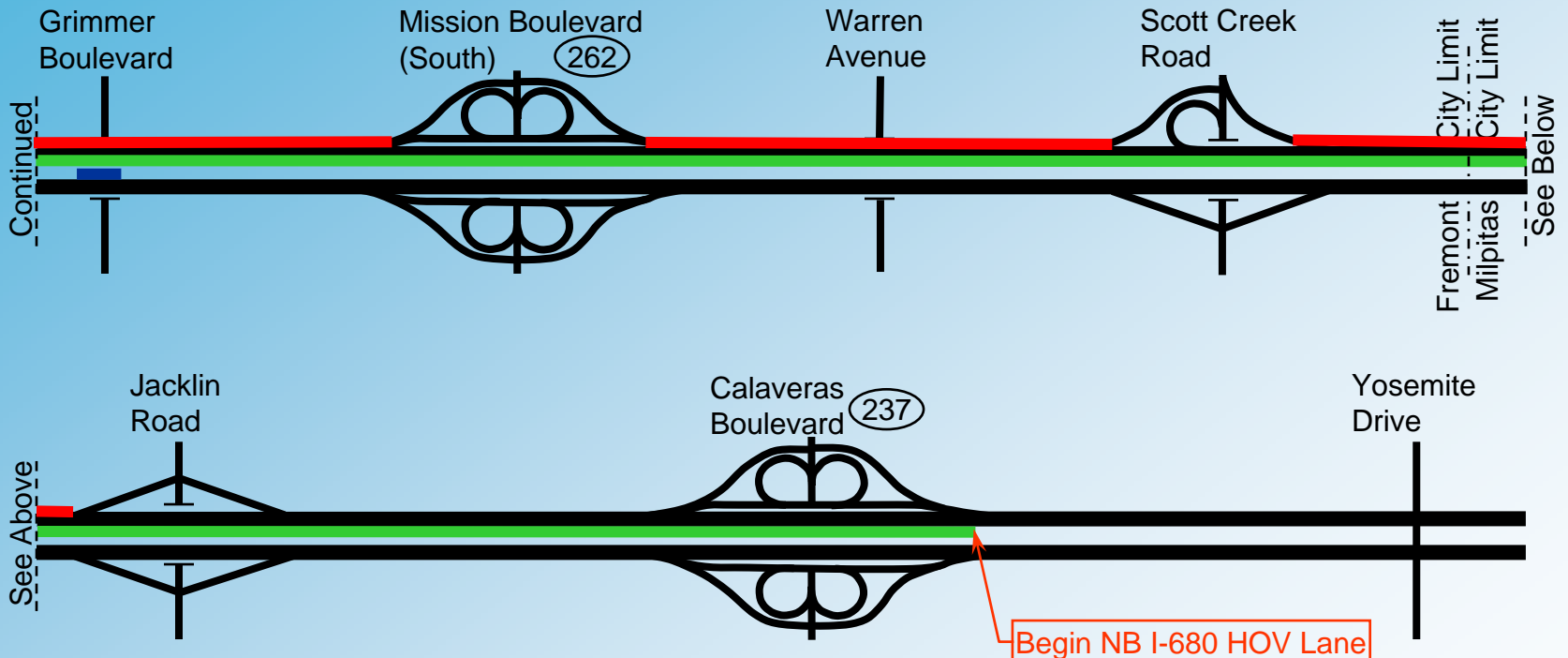


I-680 North Bound HOV Lane Delivery Plan

- ❖ Project Cost \$132.5 M (2005)
- ❖ Right of Way:
 - 5 Partial Takes
 - 25 Temporary Construction Easements
- ❖ Permits:
 - California Department of Fish and Game
 - Regional Water Quality Control Board
 - US Army Corps of Engineers
- ❖ Environmental Mitigation



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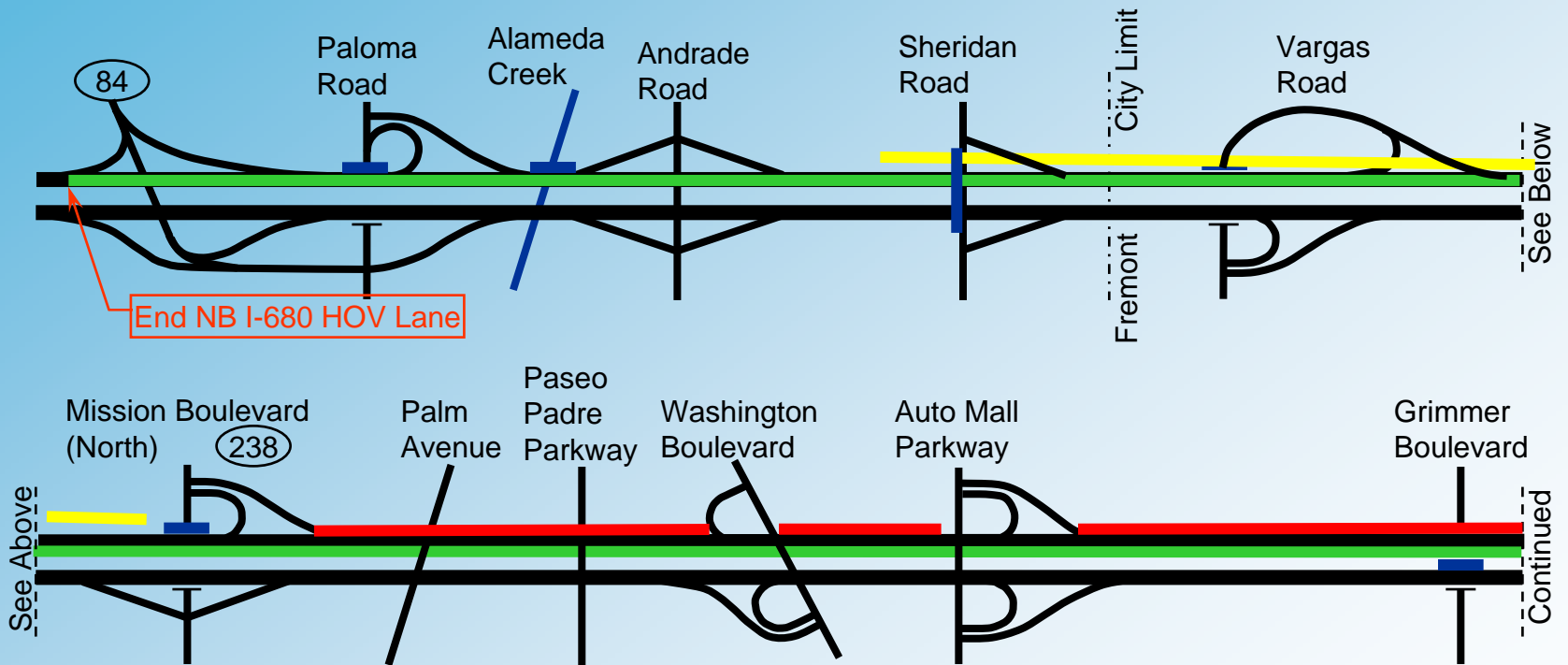


LEGEND

- Proposed NB I-680 HOV Lane
- Proposed Auxiliary Lane
- Proposed Bridge Work



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LEGEND

- █ Proposed NB I-680 HOV Lane
- █ Proposed Auxiliary Lane
- █ Proposed Bridge Work
- █ Truck Climbing Lane



I-680 North Bound HOV Lane Delivery Plan

Objectives:

- ❖ Expedite Delivery of the NB I-680 HOV Project.
- ❖ Open Facility as an Express Lane.
- ❖ Evaluate Phased Approach based on the Traffic Operations Analysis Report (TOAR) and Project Approval.



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Sheridan OC



South of Truck Scales



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Mission 238 Bridge



North of Vargas



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Grimmer Undercrossing



Median

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Next Steps:

1. Prepare Traffic Operations Analysis Report (TOAR) and Revenue Forecast.
2. Determine the limits of the project to be delivered (based on TOAR).
3. Determine the footprint of the project based on the Project Approval and Environmental Documents. Prepare and obtain approval for Express Lane documents required by FHWA.
4. Proceed with Design of HOV and Express Lane.
5. Obtain Tolling Agreement.



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Project Phase		2011		2012				2013				2014				2015				2016		
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
Traffic Operations (TOAR)	6/11-3/12	█	█	█	█																	
Revenue Forecast	6/11-3/12	█	█	█	█																	
PA/ED	6/11-6/12	█	█	█	█																	
PSR/PR	6/11-6/12	█	█	█	█																	
PS&E	9/11-6/13		█	█	█	█	█	█	█	█												
RTL	6/13-12/13									█	█	█										
Construction	1/14-12/15											█	█	█	█	█	█	█	█	█	█	█
ETS	1/16-3/16																				█	█



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Issues and Risks:

1. Air Quality PM2.5 requirements: will impact the delivery of the Environmental Document.
2. Congressional Resistance to Congestion Pricing.
3. Rehabilitation of the existing pavement.
4. Potential for legal challenges: Delay the approval of the Env document
5. Outside widening is required at certain sections to accomplish the assumed minimum typical section.
6. Caltrans HQ geometrician may not approve the design exceptions and may demand additional widening to correct design exceptions in the southbound direction.
7. New draft express lanes guidelines prefer four-foot buffer.

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Project Components	Total Costs (\$ x1, 000)	Funding (\$ x 1,000)	
		Measure B	Total Funding
Planning /Scoping	\$500	\$500	\$500
PA/ED	\$4,000	\$4,000	\$4,000
System Manager	\$1,000	\$1,000	\$1,000
PS&E	TBD	TBD	TBD
Right of Way	TBD	TBD	TBD
Construction Engineering	TBD	TBD	TBD
Major Capital Payments	TBD	TBD	TBD
Total	TBD	TBD	TBD

