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
I-680 North Bound HOV Lane Delivery Plan

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

Begin NB I-680 HOV Lane
I-680 North Bound HOV Lane Delivery Plan

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

Mission Boulevard (North) 238
Palm Avenue
Paseo Padre Parkway
Washington Boulevard
Auto Mall Parkway
Grimmer Boulevard
Alameda Creek
Paloma Road
Alameda Creek
Andrade Road
Sheridan Road
Vargas Road
Fremont City Limit
End NB I-680 HOV Lane

See Above
See Below
Continued
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.
I-680 North Bound HOV Lane Delivery Plan

Sheridan OC

South of Truck Scales
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Grimmer Undercrossing

Median
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.
### I-680 North Bound HOV Lane Delivery Plan

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Issues and Risks:

1. Air Quality PM2.5 requirements: will impact the delivery of the Environmental Document.
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 a four-foot buffer.
## I-680 North Bound HOV Lane Delivery Plan

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<th>Project Components</th>
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