

US 101 and SR 85 High Occupancy Toll (HOT) Lanes

**WTS-ITE Joint Meeting
October 18, 2007**



Presentation Outline

- Santa Clara County Managed Lanes Vision
- Why HOT Lanes?
- US 101 and SR 85 HOT Lanes Preliminary Engineering and Environmental Study

Santa Clara County Managed Lanes

Vision

- Managed lanes used by transit and carpools for free
- Option for single drivers to pay toll to use HOT lanes
- Two HOT Lanes per direction with HOT direct connectors at system interchanges

Santa Clara County HOV Lanes Network



Steps Towards HOT Lane Implementation

- ✓ Legislative Authority - AB 2032 (2004)
- ✓ VTA Feasibility Study (2005)
- ✓ Legislative Authority - AB 574 (2007)
- Preliminary Engineering and Environmental Study (Fall 2008)
- Final Design and Construction (2009-2012)
- Implementation (2012)

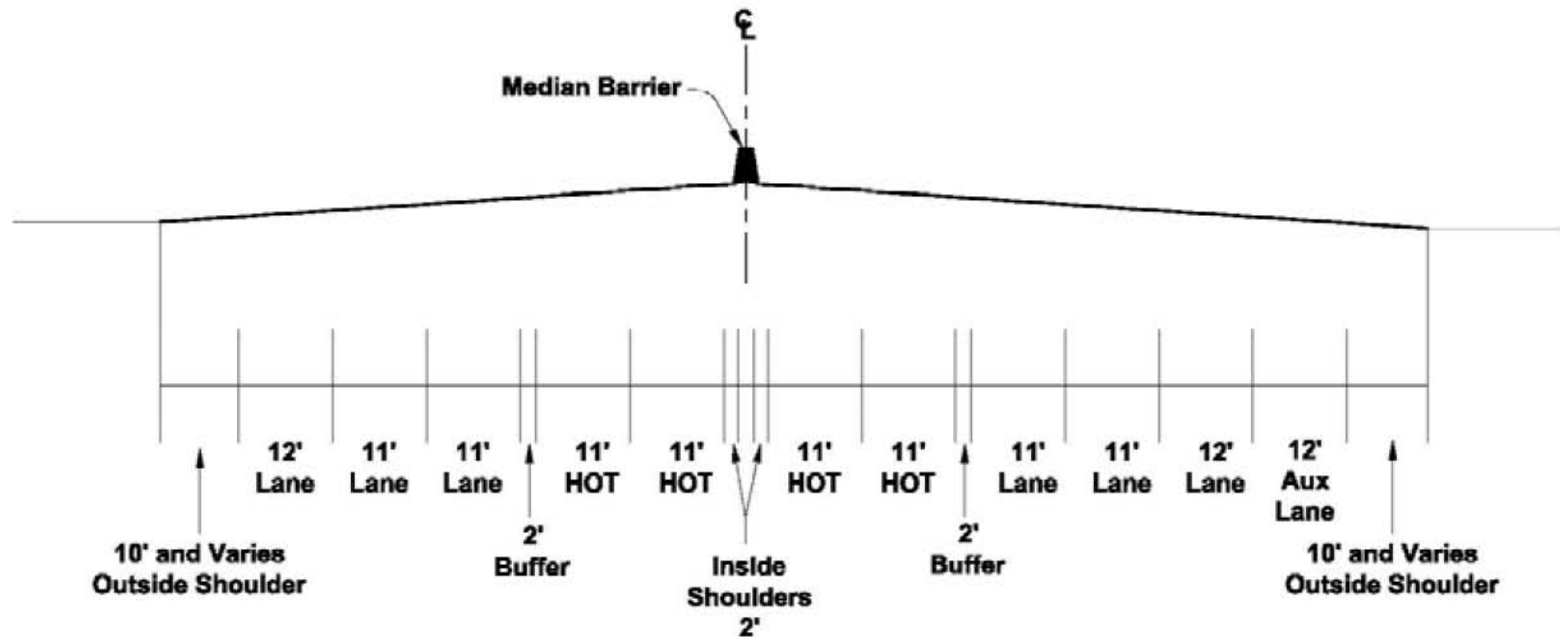
Why HOT Lanes ?

- Opportunity to use of existing HOV lanes more efficiently
- Toll revenues can fund additional transportation improvements and public transit in corridor
- Provides another option for travelers

Example of HOT Lane in Minneapolis



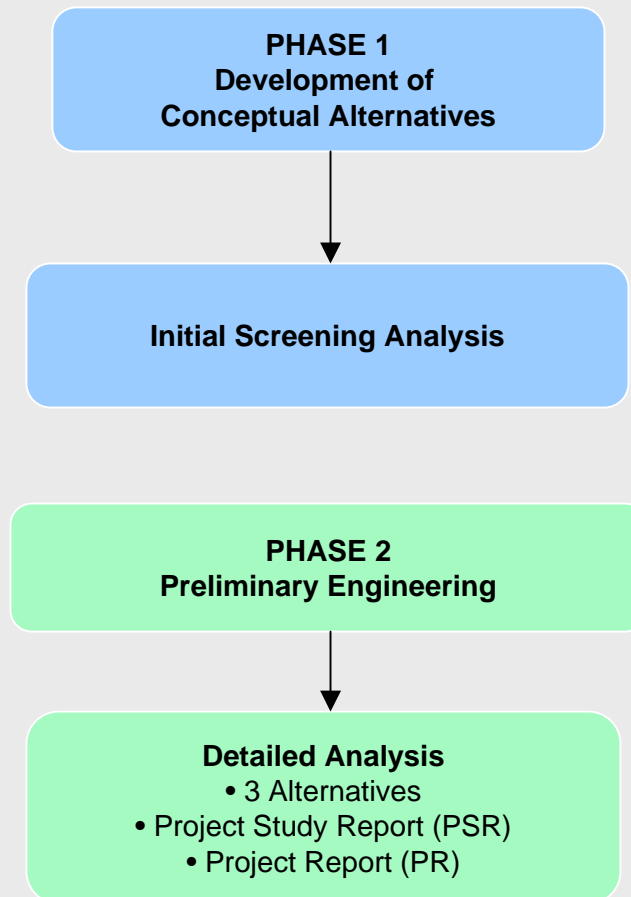
Conceptual Configuration (Two Lane HOT Lanes)



Two Lane HOV (Southern California)



US 101 and SR 85 Study Process



Stakeholder Coordination

- Technical Working Group
 - Meetings and workshops
 - Caltrans, FHWA, MTC, CHP, San Mateo TA, C/CAG
- VTA
 - Advisory and Standing Committees

Technical Considerations

- Locating Electronic Toll Collection (ETC) equipment
- Access points
- Enforcement and maintenance areas
- Second HOT Lane in each direction
- Termination of HOT Lanes

Policy Challenges

- Equity implications
- Enforcement
- Inter-county issues
- Maintenance of HOT Lane LOS
- Education of motorists to “new” style of HOT facility
- Impacts on existing HOV users due to restricted access points

Initial Conceptual Alternatives

- Access
 - Weave versus transition lane
 - Minimum versus maximum
- HOT Lane
 - (1 versus 2)

Next Steps

- Complete screening process
- Get concurrence from stakeholders
- Define 3 detailed alternatives for HOT Lanes development
- Identify initial project



Thank You!