

Santa Clara County High Occupancy Toll Lanes

**Presentation
to
Metropolitan Transportation Commission
Planning Committee
November 3, 2006**



Overall VTA plans for HOT Lanes

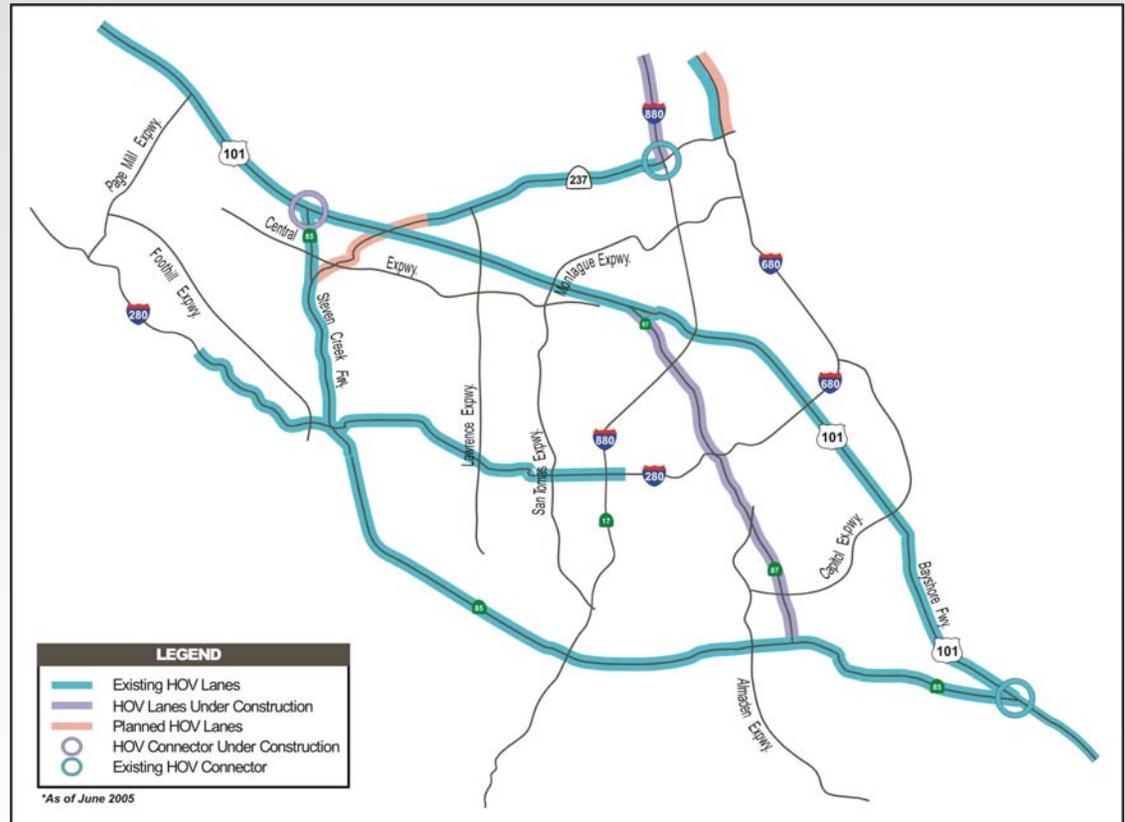
- ✓ Legislative Authority
- ✓ Feasibility Study
- Engineering Analysis & Evaluation
- Implementation

Assembly Bill 2032 (2004)

- Allows implementation of two HOT lane corridors in Santa Clara County.
- Net toll revenues for corridor improvements including transit operations.
- Maintain HOT lane LOS C (or LOS D).
- Four-year demonstration with evaluation report to Legislature.

Feasibility Study Purpose

- Assess Santa Clara County freeway system for feasibility of HOT lane operations
- Identify possible demonstration project

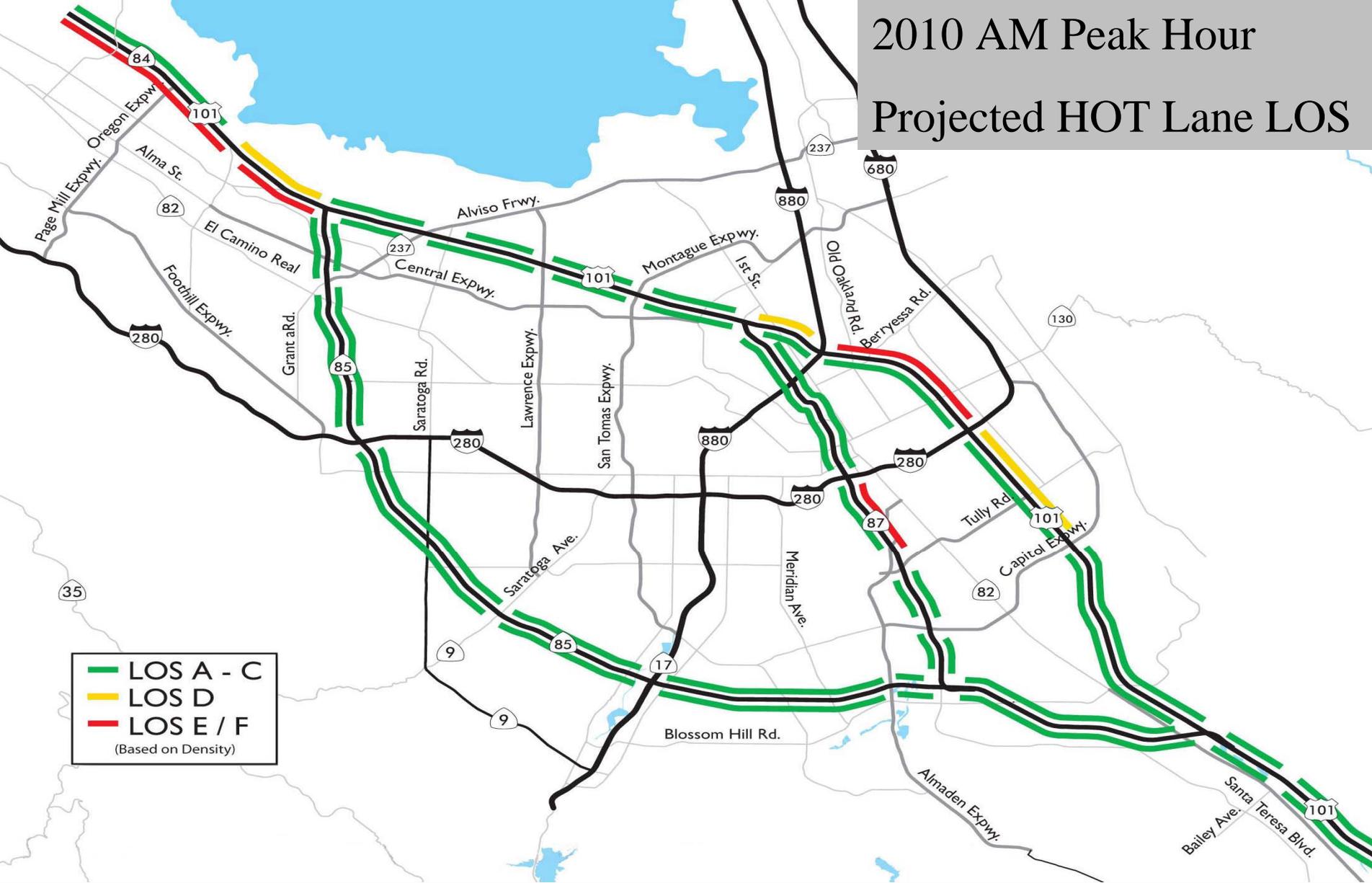


Consultant Team: TYLin International/Wilbur Smith Associates

HOT Lane Feasibility

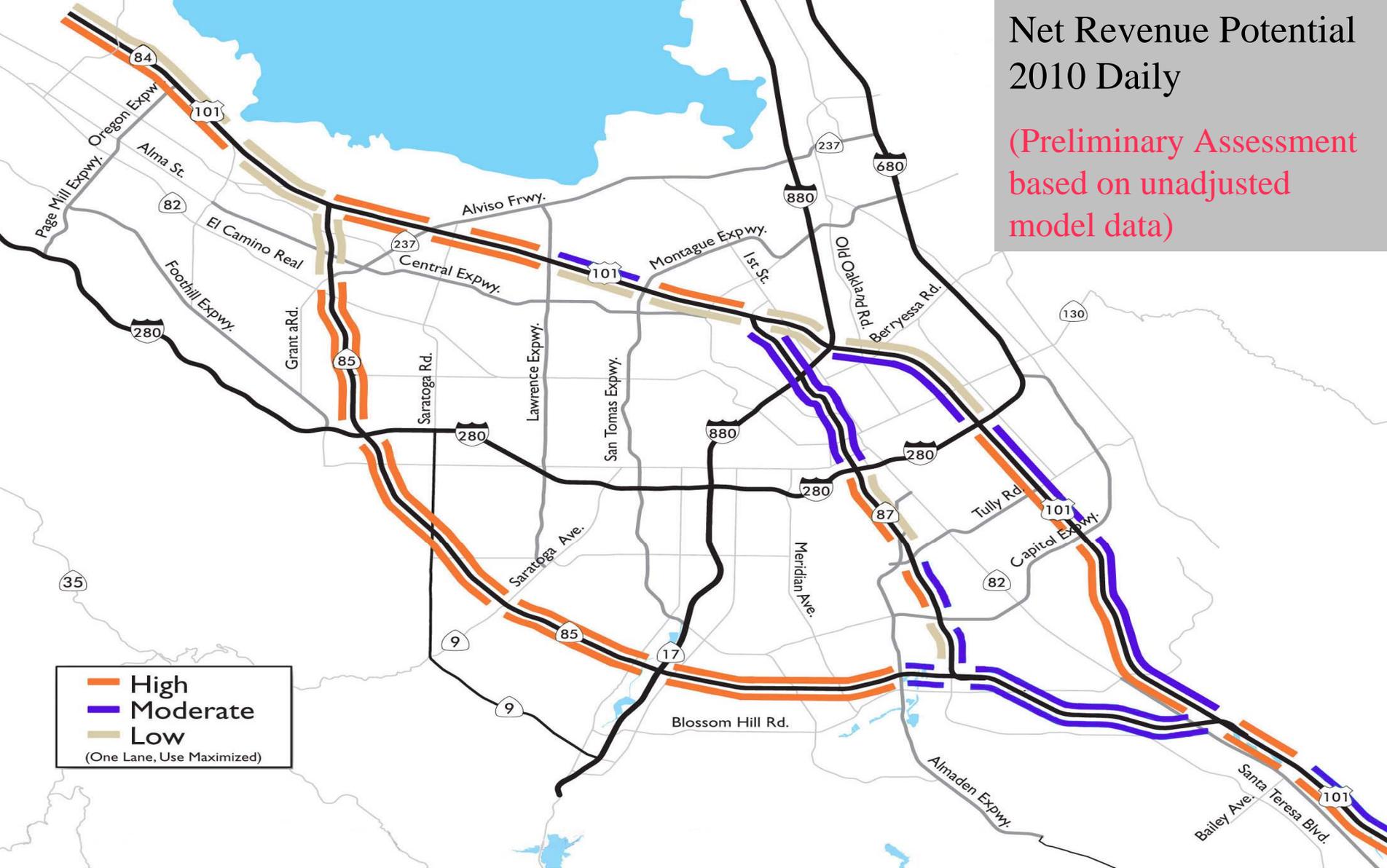
- Is There Capacity for HOT Lane Operations in Corridor?
- Are HOT Lanes Financially Feasible?
- What are Geometric Constraints for HOT Lane Operations?

2010 AM Peak Hour Projected HOT Lane LOS



Net Revenue Potential 2010 Daily

(Preliminary Assessment
based on unadjusted
model data)



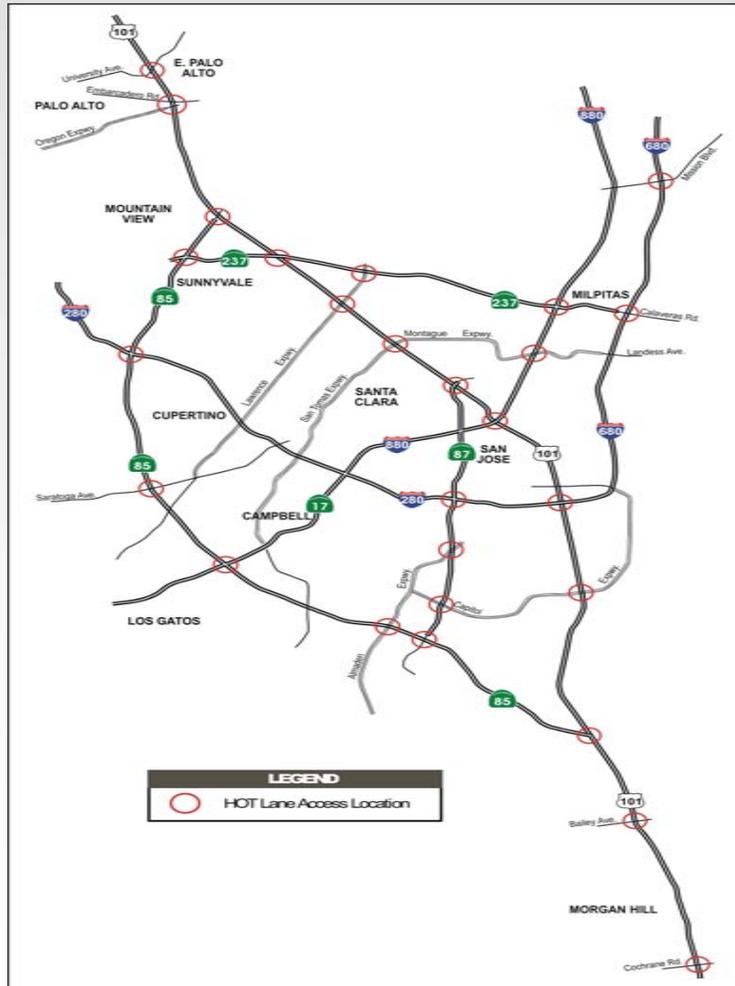
Geometric Considerations

- Painted Striped Buffer or Barrier



Geometric Considerations

- Ingress and Egress Points



Geometric Considerations

- Locating Electronic Toll Collection Equipment
- Enforcement and Maintenance Areas
- Second HOT Lane in each Direction
- End of HOT Lanes Facility Transition to HOV Only

Proposed HOT Lane Elements

- Convert existing HOV Lanes to HOT Lanes on Routes 101 and 85
- Utilize FasTrak electronic transponder toll readers with dynamic pricing
- CHP enforcement supported by new technologies
- Specific access locations to HOV/ HOT Lanes with double-striped buffer

Projected Remaining Schedule

- ✓ December 2005 - Complete HOT Lane Feasibility Study and Receive VTA Board approval to move to PE phase
- 2007-2008 – Conceptual/Preliminary Engineering for demonstration HOT lane project along US 101 and/or SR 85 corridors
- 2009-2012 – Final Design and Construction of demonstration HOT lane project
- 2012 – Open demonstration HOT lanes
- 2012-2016 - Period of Demonstration

End of Presentation

