

SR 167 Project Update

Doug MacDonald
Secretary

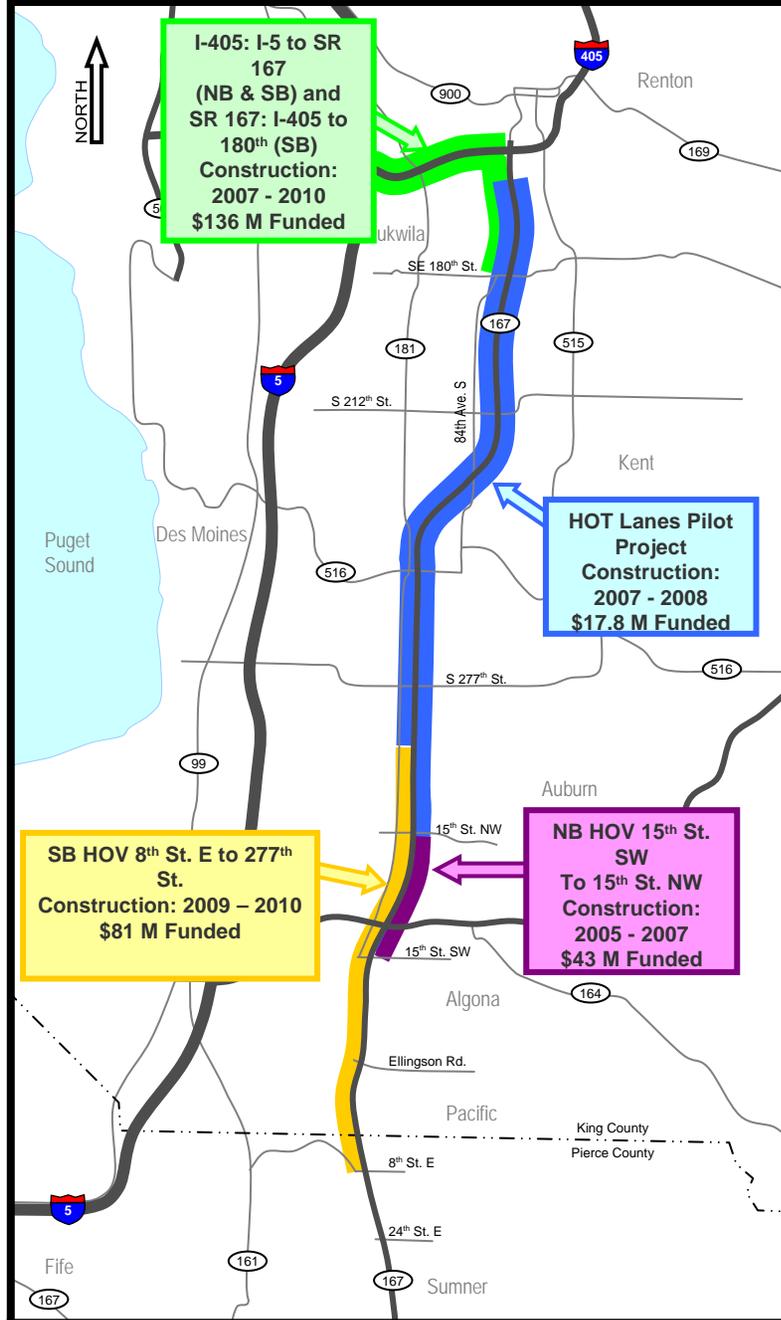
Paula Hammond
Chief of Staff

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UCO Deputy Administrator

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Joint Transportation Committee

July 19, 2007



SB HOV 8th St. E to 277th St.
Construction: 2009 - 2010
\$81 M Funded

NB HOV 15th St. SW To 15th St. NW
Construction: 2005 - 2007
\$43 M Funded

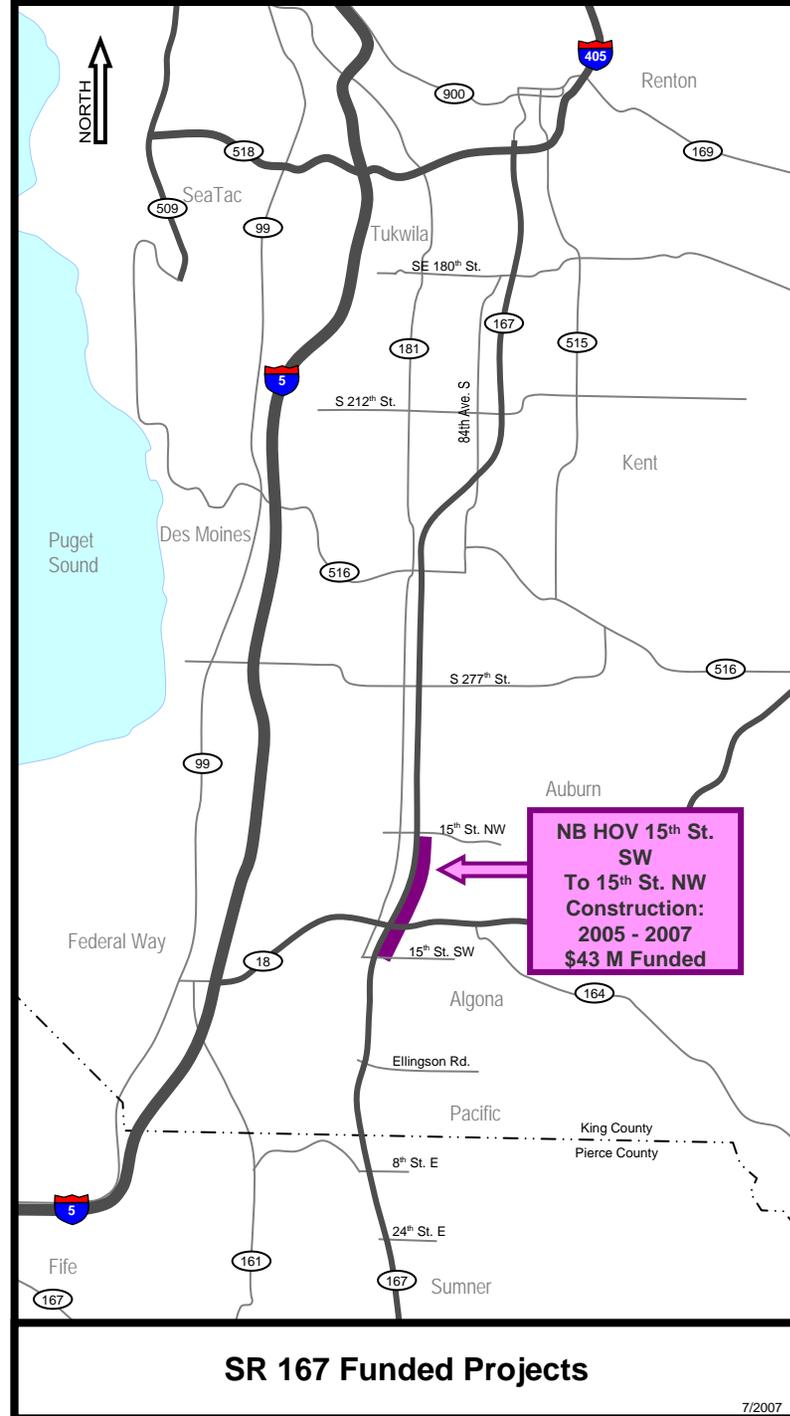
I-405: I-5 to SR 167 (NB & SB) and SR 167: I-405 to 180th (SB)
Construction: 2007 - 2010
\$136 M Funded

HOT Lanes Pilot Project
Construction: 2007 - 2008
\$17.8 M Funded

SR 167 Funded Projects

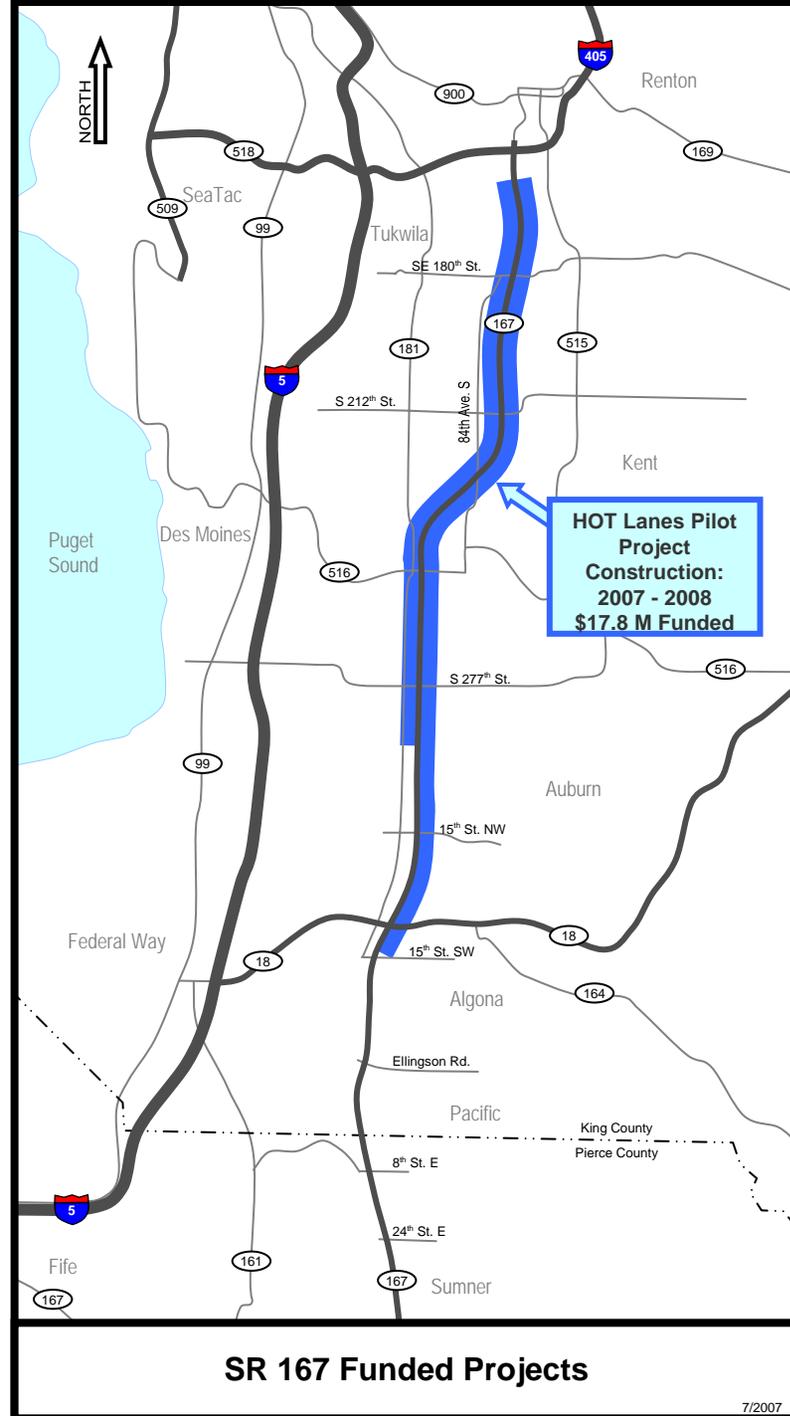
SR 167 - 15th Street SW to 15th Street NW - HOV

- Improvements:
 - Builds a northbound carpool lane from 15th St SW to 15th St NW
 - Adds HOV bypasses and metered ramps at five interchanges (northbound and southbound)
- Status:
 - Crews opened the final section of carpool lane from 15th Street SW to just north of Main Street in late June
 - Construction is scheduled for an early completion in Fall 2007
 - 70% complete



SR 167 – HOT Lanes Pilot Project

- Improvements:
 - Converts the existing HOV lane on SR 167 to High Occupancy Toll (HOT) lanes
 - Installs an electronic toll collection system
 - Deploys a dynamic toll rate system
 - Stripes a buffer with specific access points
- Status:
 - Toll vendor and civil contractor under contract
 - Scheduled to open HOT lanes in spring 2008

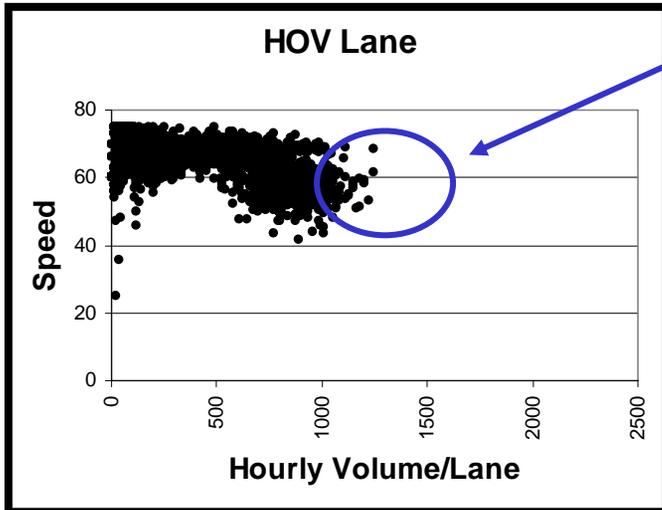


Testing HOT Lanes on SR 167

- Peak hour congestion in regular lanes
- Available capacity in existing HOV lane
- Existing roadway could accommodate modifications
- Modeling showed HOT lanes would move more vehicles and improve speeds in the corridor

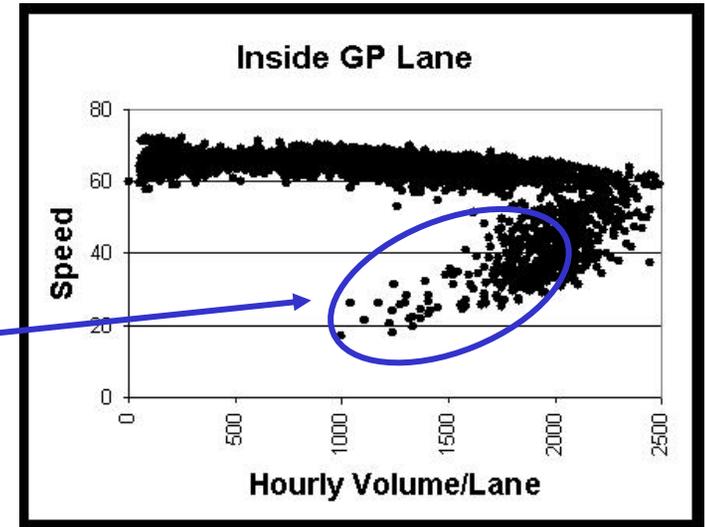


Available HOV lane capacity along SR 167



Available capacity for toll paying HOT lane users

Opportunity to move vehicles from the congested GP lanes



SR 167 – Existing and Proposed



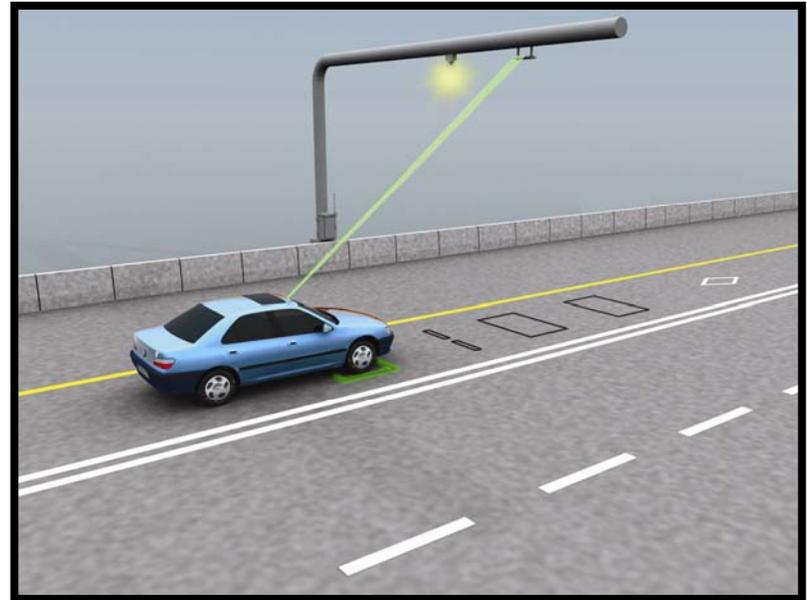
Today



Proposed HOT lanes

HOT Lanes Key Features – the Drive & Technology

- Electronic Toll Collection
 - No toll booths
 - Electronic transponders in cars
 - Electronic readers above the HOT lane read transponders
 - Compatible with the Tacoma Narrows Bridge tolling system
- Buffer between HOT lane and GP lanes
 - Transit and HOV vehicles continue to use the HOT lane for free, but have to abide by “double-white line” rule
- Flexible Pricing
 - Electronic signs display toll rate
 - Toll based on level of congestion and space available in HOT lane
 - Toll charged only once upon entry



Electronic readers and transponders mean no toll booths.

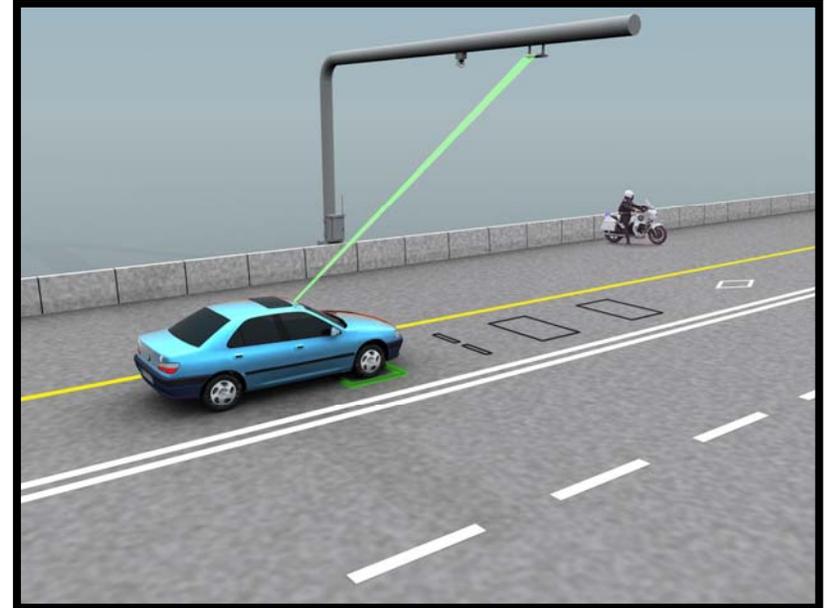


Your Good To Go! Transponder

When the 167 lanes open in 2008, the average price may be between \$1.50 and \$2.00 per trip during peak hours or higher during times of heavy congestion

HOT Lane Enforcement

- Consistent enforcement is important for building public trust in the fairness of the HOT lanes
- WSDOT is funding the Washington State Patrol to provide additional troopers for the project
- Traffic citations can be issued for the following violations:
 - Illegal use of HOV lane by single-occupancy vehicle
 - Attempt to avoid paying required toll
 - Crossing double white lines
- Drivers will be encouraged to use the HERO system to report violators



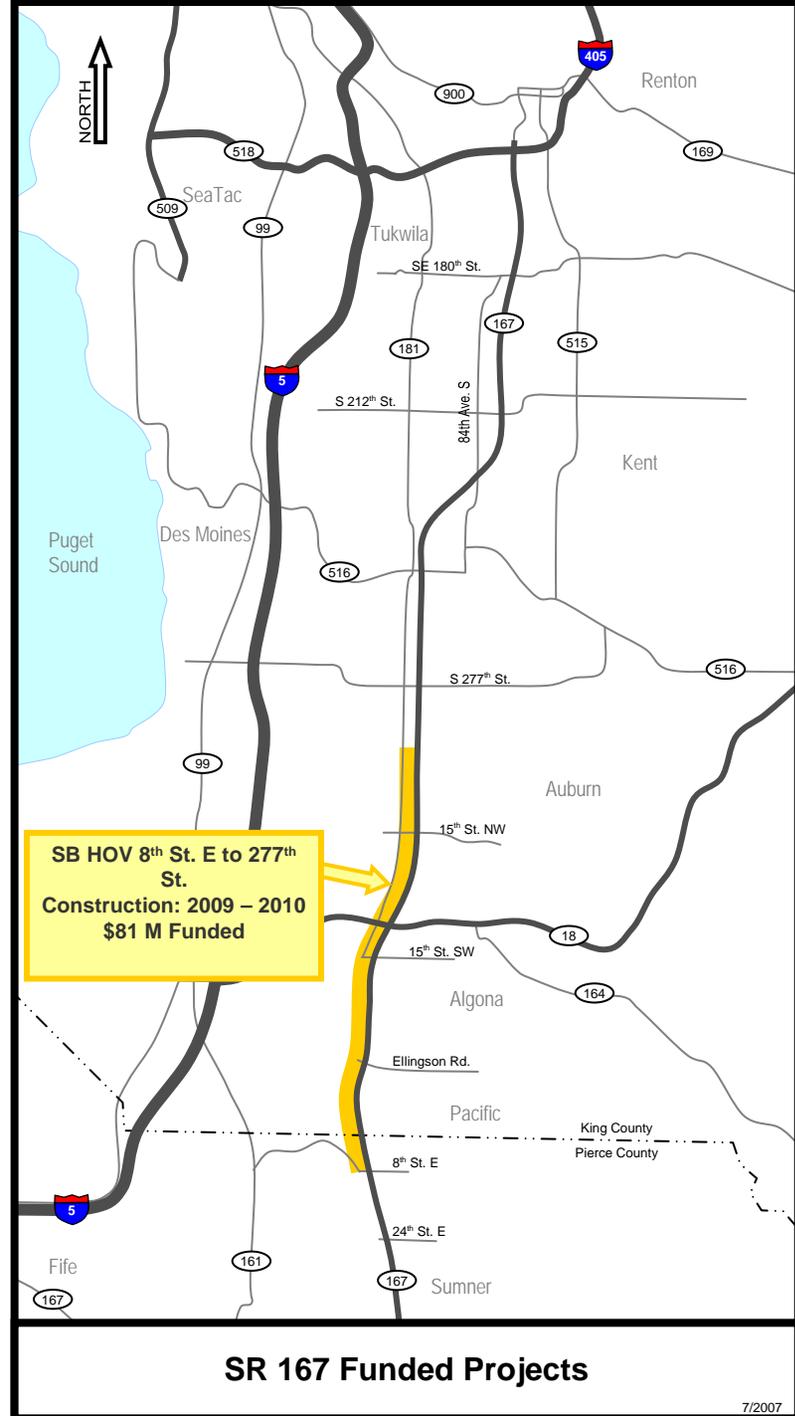
Simulation of State Patrol officer monitoring HOT lane



Handheld Enforcement Reader

SR 167 - 8th St E vic. to S 277th vic. - HOV/HOT Lane

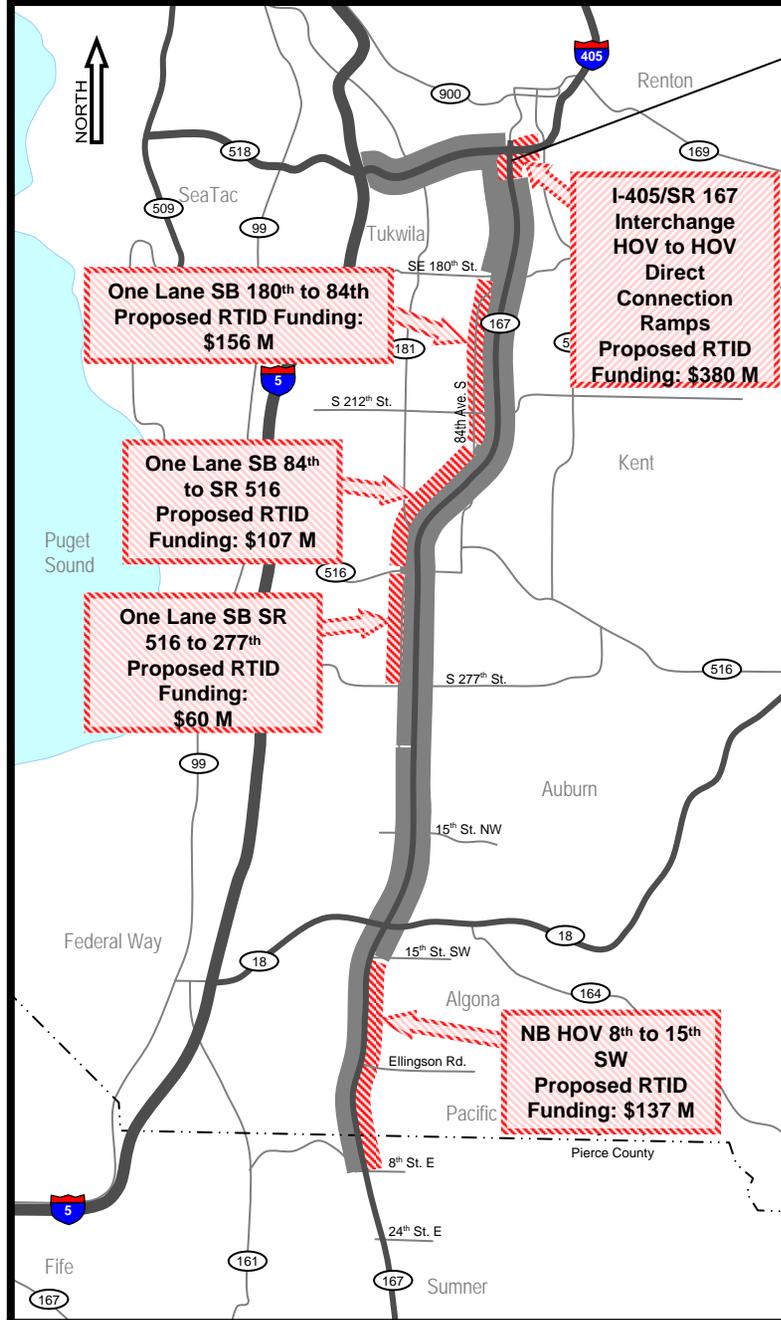
- Improvements:
 - Adds a new southbound HOV/HOT lane from 37th St NW in Kent to 8th St. E. in Pierce County.
 - Installs ramp meters and potentially HOV bypasses at select interchanges within the project area.
 - Completes bridge work at SR 18.
 - Constructs possible ramp terminal improvements at Ellingson Road and 8th St. E.
- Status:
 - Environmental analysis currently underway, scheduled for completion in fall 2008.
 - Construction scheduled for summer 2009 through late 2010.
 - 10% complete with design.
 - Cost evaluation process (CEVP) underway to review costs and risks; results expected in fall
- Note: if this new lane is operated as a HOT lane, toll authorization to accommodate going into Pierce County will be needed



Construction Schedule of Funded Improvements on SR 167

Project	2007	2008	2009	2010	2011	2012
15 th St SW to 15 th St NW - HOV						
HOT Lanes Pilot						
I-405, I-5 to SR 169 Stage 1						
S 277 th St to 8 th St E – HOV/HOT (southbound only)						

 Transportation Commission Sets 167 HOT lanes Toll Rates.



SR 167 Funded & Proposed Projects

7/2007

For more information on this project contact:

Patty Rubstello

(425) 450-2720

or

<http://www.wsdot.wa.gov/Projects/SR167/HOTLanes/>

