

Successes and Challenges

South King County

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Washington State Transportation Commission Meeting
July 25, 2017

Topics

- Successes and Challenges
 - Safety
 - Preservation Program
 - Managed Lanes Projects
 - Connecting Washington Funded Projects
 - Fish Barrier Removal Program
 - Challenges

Safety

- 2016 Legislature called for a safety performance study
- SR 169 Safety Study submitted to the Legislature in December 2016
- Identified safety enhancements to be implemented later this year include:
 - Replace and install improved warning signs, guide signs and guideposts throughout the corridor
 - Install advanced warning and striping for the southbound SR 169 lane reduction to the SE Jones Rd/196th Ave SE intersection
 - Revise striping and channelization to improve sightlines for traffic turning from SE 288th St to SR 169
- Evaluation of other safety enhancements is underway

Locations and strategies identified in the SR 169 safety study



Preservation

- I-5 Northbound S 260th to Duwamish River Bridge – Concrete Pavement Rehab. The \$31 million project currently underway will:
 - Replace 440 broken concrete panels
 - Repave 4 miles of all lanes of concrete roadway with asphalt after “cracking” the concrete.
 - Remove ruts and bumps by grinding remaining concrete pavement.
 - Replace eight expansion joints on the Interurban Avenue and Duwamish River bridges.
 - Rehabilitate the Interurban Avenue and Duwamish River bridge decks.
 - Work is done at night and weekends, 5 more weekends to complete by 2018



Preservation

- Preservation Projects
 - SR 509 – S 168th to S 112th St Vicinity – Paving, ADA, & Barrier Replacement in Burien. The \$4.6 million project will:
 - Grind and repave the “Burien Freeway” with asphalt
 - Improve drainage in the median
 - Replace guardrail with concrete barrier
 - Bring 4 pedestrian curb ramps in compliance with ADA
 - 4 weekend lane closures for paving later this summer



Managed Lanes

- I-405/SR 167 Corridor
 - SR 167 HOT Lanes 9 mile extension southbound was operationally complete December 2016. The initial HOT lane segment in the north end of SR 167 was opened in 2008. \$83 million
 - SR 167/I-405 Direct Connector that will connect the managed lanes facilities is under construction and is expected to be complete mid-2019.
 - I-405 Renton to Bellevue Widening and Express Toll Lanes Project is under development with construction starting in 2019 and completion in 2024. \$1.22 billion including the Direct Connector project above.



Connecting Washington

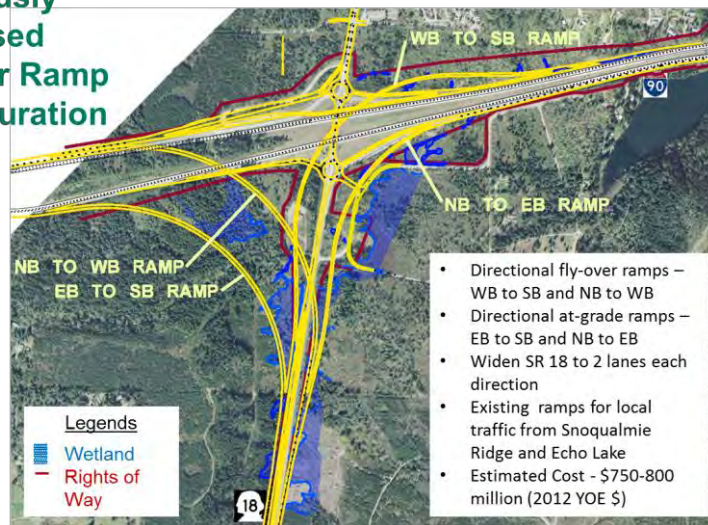


- Connecting Washington Funding in South King County
 - SR 518 Des Moines Interchange Improvement—construction contract has been awarded. \$15 million
 - SR 18/SR 164 East Auburn Access—working with the Muckleshoot Tribe and city of Auburn in developing project scope. \$15 million
 - I 90/SR 18 Interchange Improvements—funding of the \$150 million project was advanced by the 2017 Legislature to start this biennium.
 - I-5 Federal Way – Triangle Vicinity Improvements—project start 2021-23 biennium. Will use updated traffic modelling to finalize scope. \$85 million
- Mega Projects in South King County
 - I-405/SR 167 Corridor
 - SR 509/SR 167 Gateway Program
- Connecting Washington Funding for Local Projects in South King County
 - Covington Connector – extends 204th Ave SE from SR 516 to the SR 18/SE 256th Interchange. Makes improvements to the SR 18/256th St ramp terminal and SR 516/204th Ave SE intersections.
 - S 228th St & Union Pacific Grade Separation—reconstructs S 228th St as an overpass.

Connecting Washington Practical Solutions

- I 90/SR 18 Interchange Improvements
 - Original design allowed only one new ramp to be constructed within the Connecting Washington project
 - Diverging Diamond and relocation of the weigh station appears to fit within the Connecting Washington project budget

Previously Proposed Flyover Ramp Configuration

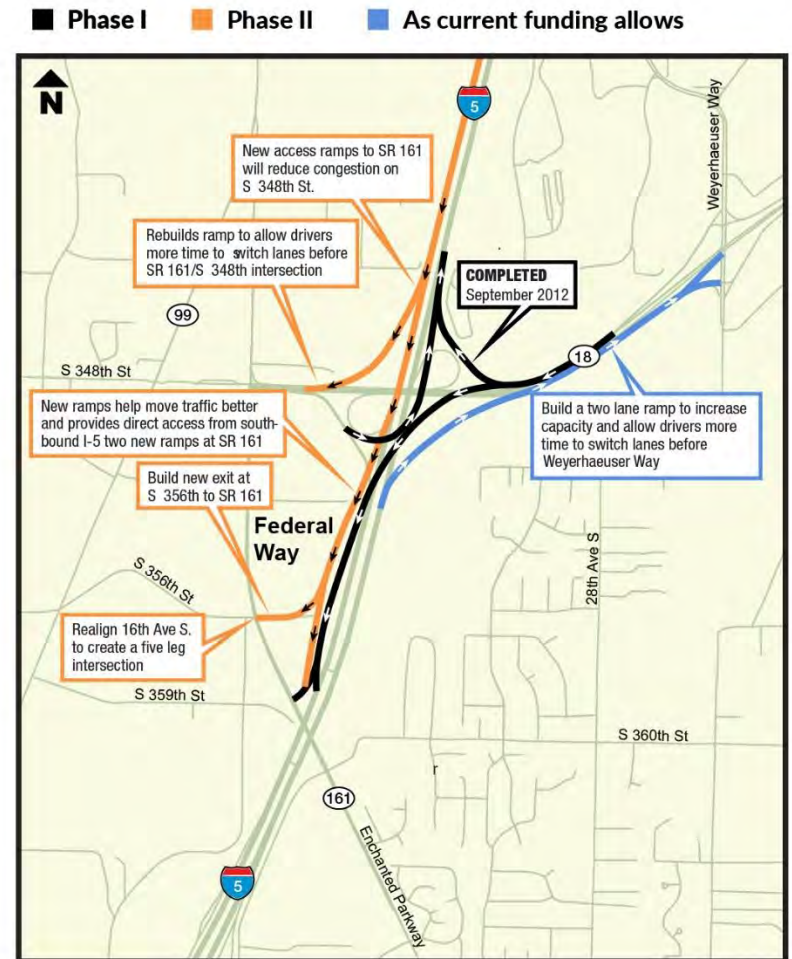


Currently Proposed Diverging Diamond Configuration



Connecting Washington Triangle Project

- I-5/SR 18/SR 161 Federal Way – Triangle Vicinity Improvements
 - Original cloverleaf interchange opened to traffic in the 1960’s
 - Phase I was funded by Nickel and TPA and was completed in 2012
 - New flyover ramps were constructed to eliminate short weaving sections
 - 2012 Legislature directed preparation of environmental documentation for next phase
 - Connecting Washington funds \$85 million starting 2021
 - Using Practical Solutions and working with Gateway Project to ensure the projects compliment each other



JULY 2017

Fish Barrier Removal Program

- 2013 federal injunction requires correcting 806 WSDOT-owned barriers by 2030
- Our 2013 general estimate for meeting the injunction is \$2.4 billion
- Have made progress by improving access to about 1,032 miles of potential habitat
- Working internally and externally with regulatory agencies to streamline processes and reduce costs

Before Photo



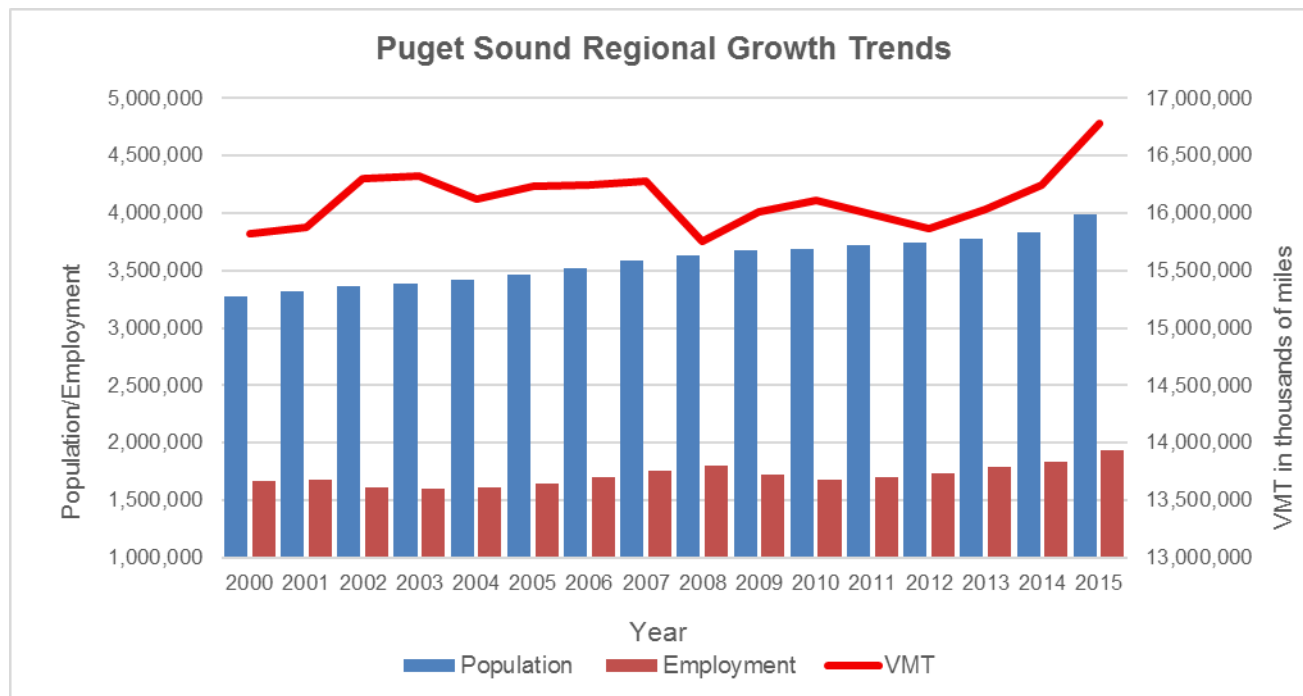
After Photo



SR 99 at West Fork Hylebos Creek near Tacoma where over 2 miles of upstream habitat was restored in 2015

Growth Challenges in South King County/Puget Sound

- Unprecedented growth in population, employment and vehicle miles traveled has increased traffic congestion throughout our region.
- Responding to PSRC's request for a State Facilities Action Plan for Local Priority State Highways as part of their T2040 Plan Update efforts.



Questions?

More Information:

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