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
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

- Directional fly-over ramps – WB to SB and NB to WB
- Directional at-grade ramps – EB to SB and NB to EB
- Widen SR 18 to 2 lanes each direction
- Existing ramps for local traffic from Snoqualmie Ridge and Echo Lake
- Estimated Cost - $750-800 million (2012 YOE $)
Connecting Washington Triangle Project

  - 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
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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