SR 509 & SR 167 Ext. Toll Feasibility Study Preliminary Findings

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Joint Transportation Committee
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The 2009 Budget Proviso

Mandates that the study, at a minimum, must include the following:

- The potential for value pricing to generate revenues for needed transportation facilities within the corridor;
- Maximizing the efficient operation of the corridor;
- Economic considerations for future system investments.

Requires WSDOT to report the study findings to the Joint Transportation Committee by September 30, 2010.

Preliminary Findings

 Tolling is expected to contribute a substantial amount to fund the project <u>construction</u>, depending on phasing and financing assumptions.

- SR 509: 40% to 90%

SR 167: 20% to 50%

- Tolling is expected to create an opportunity for phasing and reducing the initial construction cost:
 - SR 509: improvements on I-5 can be scaled back significantly without worsening I-5 operation.
 - SR 167: building one side first and making it a two way operation appears to be a sensible option.
- Stakeholders are generally supportive of using tolls to partially finance the projects.

Background

- Both projects are ready to go (with EIS and ROD).
- Both were in R-49, R-51, and RTID funding packages.
- Both got partial funding from the Nickel and TPA for design and some ROW acquisition:
 - SR 509: \$86m
 - SR 167: \$133m
- Both started off with 6 lane design, 2 GP and 1 HOV/direction, and reduced to 4 lanes in the current design/full build.
- Both have strong freight presence and make strategic port connections.
- Neither is funded for construction.

SR 509 Options Studied and Key Findings

SR 509 Current Design Configuration

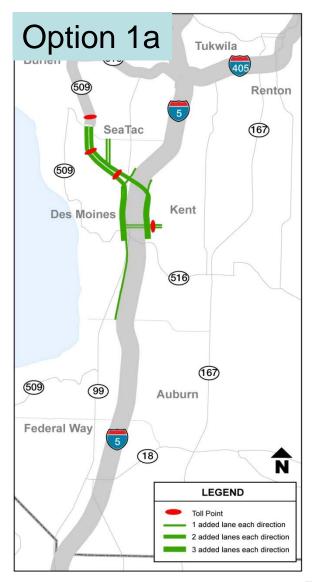
- Two lanes per direction w/SB auxiliary lane from S. Airport Access Rd to I-5.
- New connection to the airport.
- Extensive CD/Auxiliary lanes and interchange improvements on I-5.
- New 228th St connection.
- Updated cost: \$923 million in YOE.



SR 509 Toll Concepts



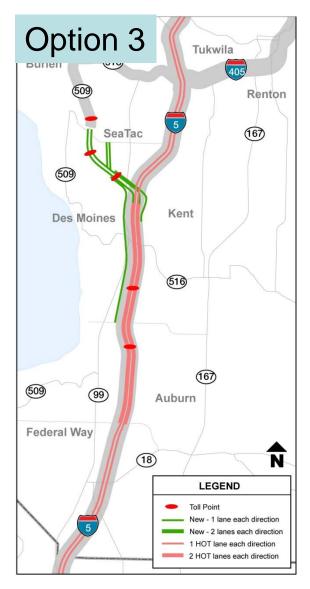




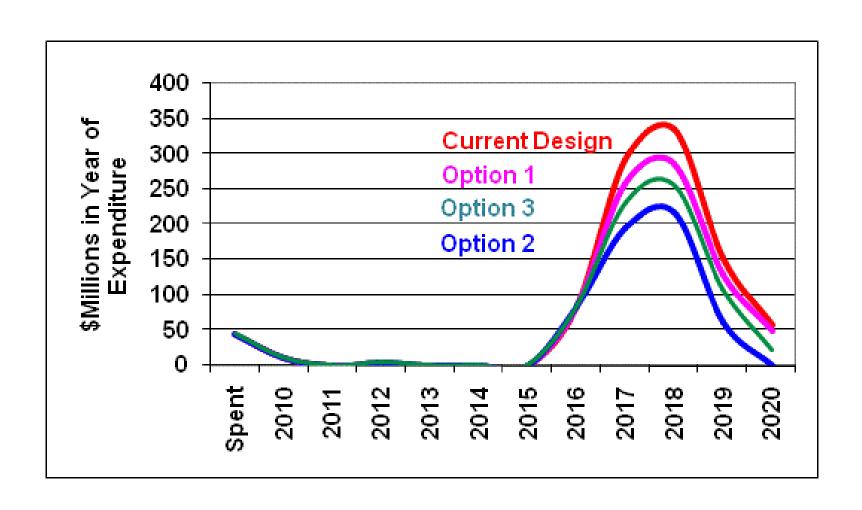
SR 509 Toll Concepts continued







SR 509 Extension Expenditure Cash Flow Assumption



SR 509 Extension Financial Analysis Results

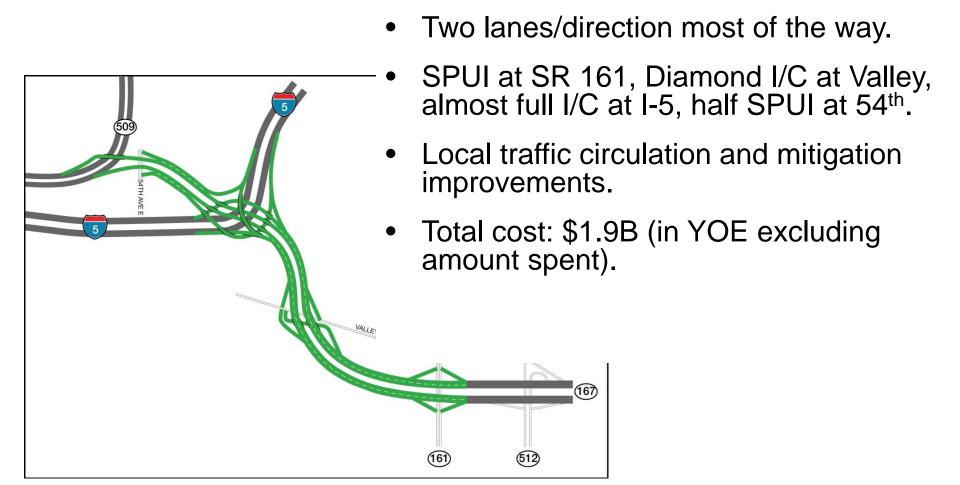
| Options | Funding Needs (YOE \$s) | | | Toll Funding Contribution | | Total Remaining |
|-------------------|-------------------------|----------------|------------------|---------------------------|-------------------|-------------------|
| | Total | Upfront ROW | Design /Build | Net Toll Funding Range | % of Design/Build | Funding Gap |
| Current Design | \$930 M | \$120 M | \$810 M | \$310 M - \$355 M | 38% - 44% | \$575 M - \$620 M |
| Option 1 | \$815 M | \$120 M | \$695 M | \$310 M - \$355 M | 45% - 51% | \$460 M - \$505 M |
| Option 1a | \$825 M | \$120 M | \$705 M | \$425 M - \$490 M | 60% - 70% | \$335 M - \$400 M |
| Option 2 | \$585 M | \$120 M | \$465 M | \$295 M - \$340 M | 63% - 73% | \$245 M - \$290 M |
| Option 3 | \$735 M | \$120 M | \$615 M | \$505 M - \$585 M | 82% - 95% | \$150 M - \$230 M |

Notes: State Fiscal Year is from July 1 to June 30, e.g., FY 2016 = 7/1/2015 to 6/30/2016

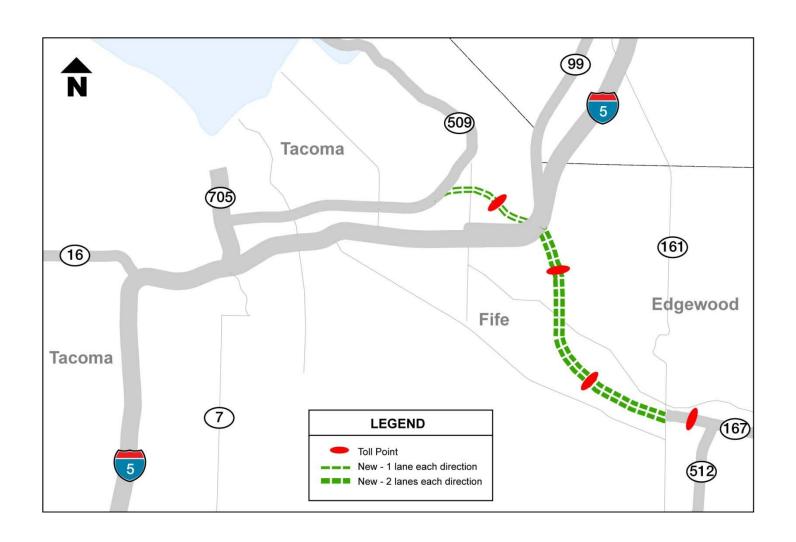
- Analysis assumes that toll bonds are issued when there is a commitment to build, in this case FY 2015.
- All Options have unfunded capital needs beginning in fiscal year 2015 and ending in fiscal year 2020.
- The low end of the funding range represents a 10% reduction in gross toll revenue to account for uncertainty.
- HOT lane (from the extension to S 317th) gross revenue is about 10% of the total gross revenue
- The total project capital costs for all options exclude the amount already spent on P/E and R/W.
- The total Remaining Funding Gap includes the remaining upfront ROW cost

SR 167 Options Studied and Key Findings

SR 167 "Full Build" Configuration



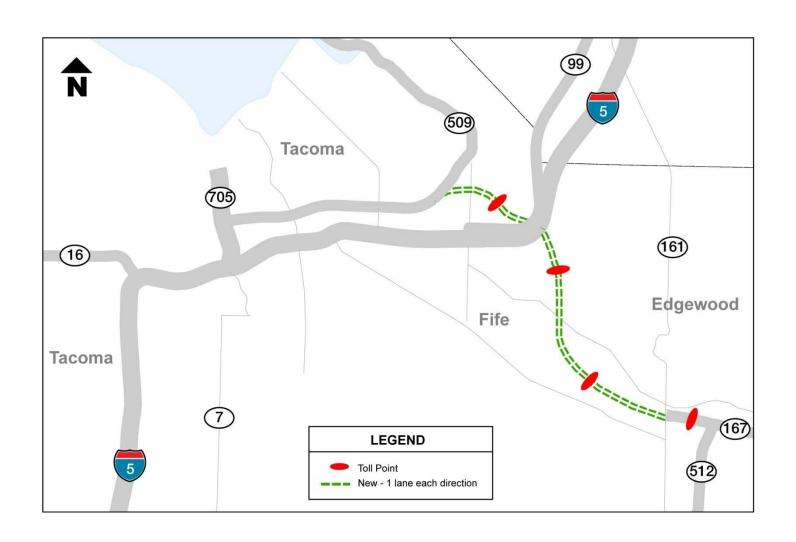
SR 167 Full Build Tolling Concepts



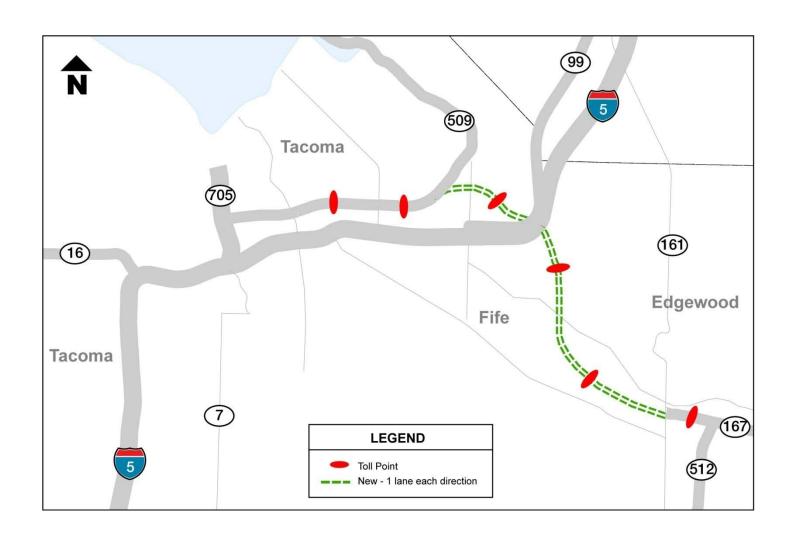
SR 167 Option 1 Toll Concept



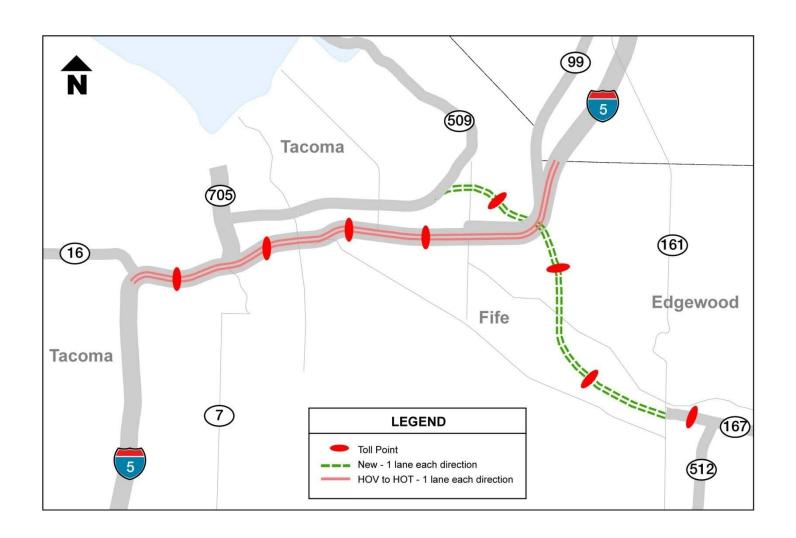
SR 167 Option 2 Toll Concept



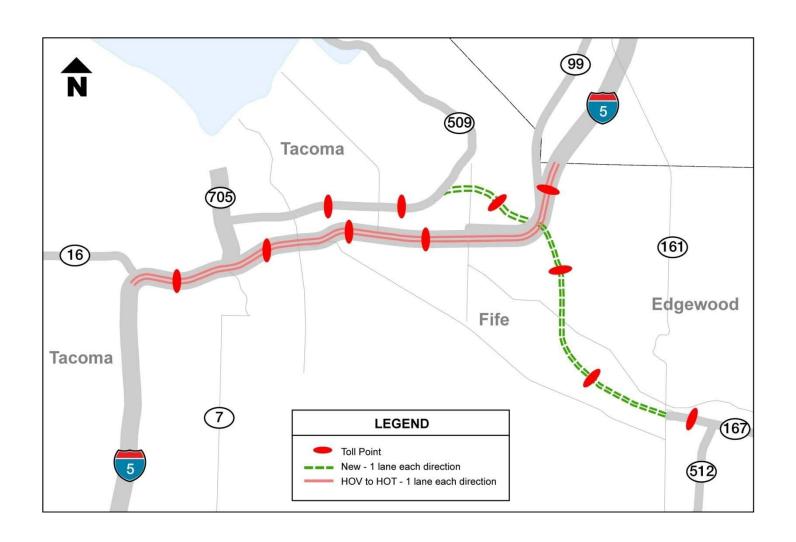
SR 167 Option 2a Toll Concept



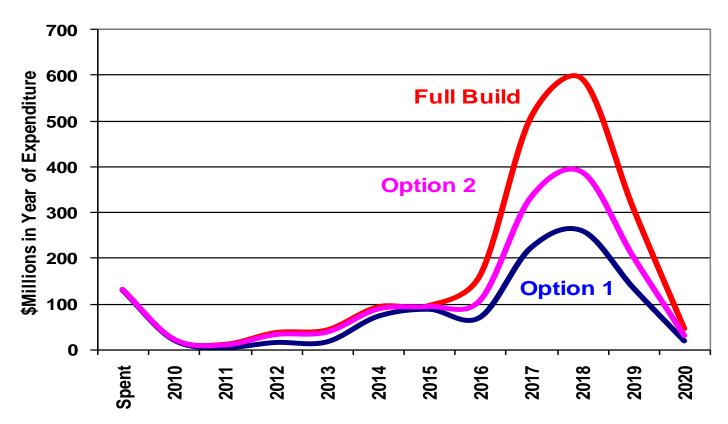
SR 167 Option 2b Toll Concept



SR 167 Option 2c Toll Concept



SR 167 Project Expenditure Cash Flow Assumption



Assumptions:

PE and ROW acquisition complete by 2015 Construction assumed to start in 2016 and complete in 2020

SR 167 Extension Financial Analysis

| Options | Funding Needs (YOE \$s) | | | Toll Funding Contribution | | Total Remaining | |
|------------|-------------------------|----------------|-----------|---------------------------|---------------------|-----------------------|--|
| | Total | Upfront PE/ROW | Const. | Net Toll Funding Range | % of Const. Cost | Funding Gap | |
| Full Build | \$1,910 M | \$280 M | \$1,630 M | \$325 M - \$370 M | 20% - 23% | \$1,540 M - \$1,585 M | |
| Option 1 | \$923 M | \$204 M | \$719 M | \$310 M - \$360 M | 43% - 50% | \$563 M - \$613 M | |
| Option 2 | \$1,332 M | \$261 M | \$1,071 M | \$350 M - \$405 M | 33% - 38% | \$927 M - \$982 M | |
| Option 2a | \$1,336 M | \$261 M | \$1,075 M | \$390 M - \$455 M | 36% - 42% | \$881 M - \$946 M | |
| Option 2b | \$1,358 M | \$261 M | \$1,097 M | \$415 M - \$480 M | 38% - 44% | \$878 M - \$943 M | |
| Option 2c | \$1,362 M | \$261 M | \$1,101 M | \$465 M - \$545 M | 42% - 49% | \$817 M - \$897 M | |

Notes: State Fiscal Year is from July 1 to June 30, e.g., FY 2016 = 7/1/2015 to 6/30/2016

- Analysis assumes that toll bonds are issued when there is a commitment to build, in this case FY 2015.
- All Options have unfunded capital needs beginning in fiscal year 2015 and ending in fiscal year 2020.
- The low end of the funding range represents a 10% reduction in gross toll revenue to account for uncertainty.
- The total project capital costs for all options exclude the amount already spent on P/E and R/W.
- The total Remaining Funding Gap includes the remaining upfront PE/ROW cost

Preliminary Conclusions & Next Steps

- Tolling could contribute a substantial amount to fund the project construction while helping reduce initial phasing scope and construction cost.
- Stakeholders are generally supportive of using toll to partially finance the projects.
- Right of way need to be secured before bond issuance to reduce financing cost.
- More comprehensive toll study needs to be conducted as well as environmental clearance needs to be addressed as a next step.

Questions?

For additional information on the SR 509 & SR 167 Extension Toll Feasibility Study Preliminary Findings, please contact

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