

A long-term, comprehensive solution

October 15, 2012













Washington State Freight & Trade



- Washington is the most trade-reliant state in the nation
- Nearly 740,000
 workers depend on
 exports, and 161,000
 workers depend on
 imports
- 1 in 4 jobs are tied to trade

*Information and image courtesy of the Port of Vancouver



Trade/Transportation and Oregon Jobs

 Oregon has the 5th largest export-supported job base in the U.S.

 1 in 5 Oregon jobs are traderelated

 For every \$1 million in export sales lost, Oregon loses 10 jobs

*Information and image courtesy of the Port of Portland



Sample of businesses that depend on network



*Information and image courtesy of the Port of Portland





Project costs and funding





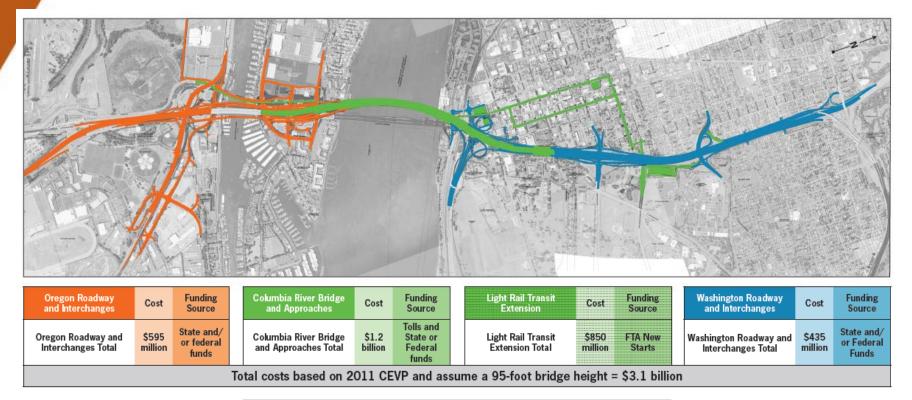








Project construction cost estimates and fund sources



Targeted Columbia River Crossing Funding Sources	Amount (billions)
FTA New Starts (light rail)	\$0.85
FHWA	\$0.4
Tolls	\$0.9 - \$1.3
OR/WA	\$0.9
TOTAL FUNDING SOURCES	\$3.05 - \$3.45



Governor's request to the CRC

- Alternatives to full build which include a smaller first phase foot print
- A smaller capital investment
- A smaller state investment for Oregon
- Maintain the project's purpose and need
- Engineering feasibility matched with kinds of funds available and tightening fiscal realities



Phase 1 savings

Project element	Cost savings
Local roads around Hayden Island interchange	\$10 million (approximate)
Bridge over N. Portland Harbor and Hayden Island bridges over Tomahawk Island Drive and Jantzen Drive	\$100 million (approximate)
Local roads around Marine Dr. interchange	\$20 million (approximate)
Eastside suspended bicycle/pedestrian path over N. Portland Harbor	\$15 million (approximate)
	\$145 million (approximate)

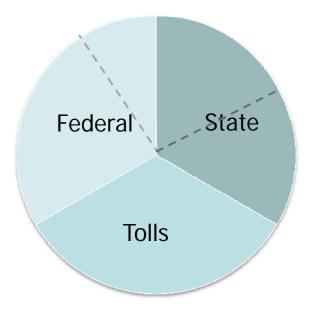


Marine Dr. and Hayden Island – Phase 1





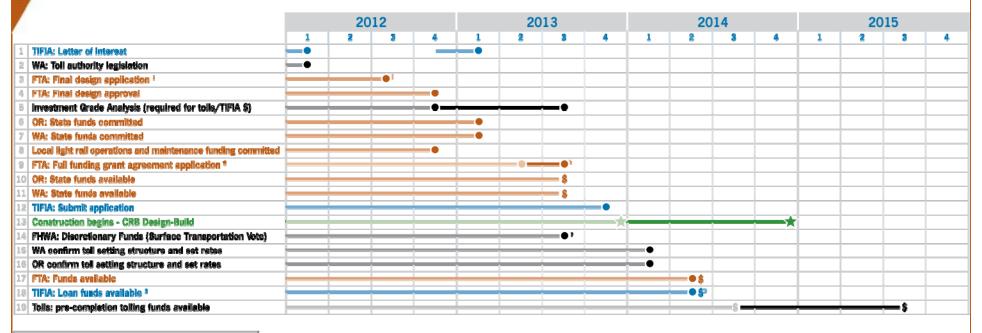
Funding sources for CRC



Targeted Columbia River Crossing Funding Sources	Amount (billions)
FTA New Starts (light rail)	\$0.85
FHWA	\$0.4
Tolls	\$0.9 - \$1.3
Washington	\$.45
Oregon	\$.45
TOTAL FUNDING SOURCES	\$3.05-3.45



Funding timeline (subject to change)



Estimated funding sources

Federal Transit\$8	50 M
Federal Highway	00 M
Talls *\$9	00 M - \$ L3 B
OR/WA state funds (\$450/each) \$9	00 M
"TIFIA is a federal formand credit program. Talls are the re	vanua sousca far
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I Must have 50% non-FTA funds committed or budgeted. Telling authority in 2012 expected to meet this requirement.

A Must have all funds authorized.

³ TIFIA is typically the last funding source. Must have full finance plan and FTA approved.



DRAFT: 09/11/12



FTA requirements for FFGA

- Commitment of 100% of the non-New Starts funding for the entire project
 - WA and OR contribution both assumed at \$450m (if vote is required, it must have occurred)
 - Toll revenues assumed to be \$900-\$1.3b
 - TIFIA loan if pursued would need to be approved by USDOT
- Commitment of all operating funding sources for transit
- Resolution of bridge height issue with receipt of Coast Guard permit





Bridge permitting













Work to date and draft findings

- 1. Completed preliminary engineering analyses to assess technical feasibility, cost and impacts associated with vertical clearance alternatives of 95, 100, 105 and 110 ft. to avoid some impacts to users
 - Draft finding: Adjustments up to 110 ft. appear to be technically feasible, with moderate cost increases and without significant additional environmental impacts
- 2. Completed extensive survey of potentially affected vessels
 - Draft finding: Mid-level bridge appears to address navigation needs for all but a small number of river users



Work to date and draft findings

- 3. Inspected USACE dredge Yaquina and prepared conceptual mitigation plan for USACE review
 - Draft finding: Conceptual mitigation plan appears to provide a cost-effective solution that would allow unimpeded travel under the new bridge
- 4. Completed preliminary analysis of future river user needs
 - Draft finding: Anticipated future uses are generally consistent with existing types of vessels and clearance requirements

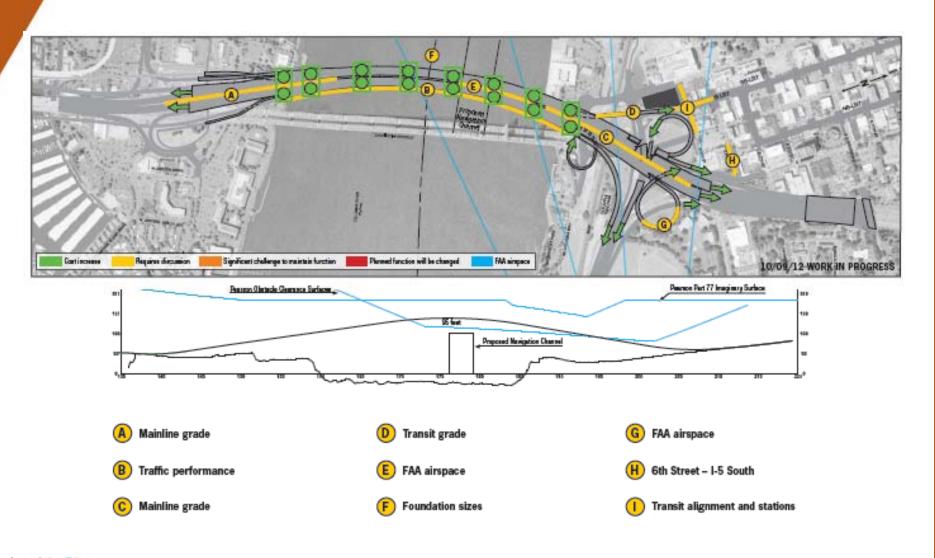


Work to date and draft findings

- 5. Completed preliminary assessment of technical feasibility and cost of adding a lift span to proposed deck truss
 - Draft finding: Appears that an added lift span would result in structure of unprecedented complexity, increase construction cost by approx. \$250 million and require additional environmental evaluation
- 6. Continue to conduct outreach to fabricators and property owners

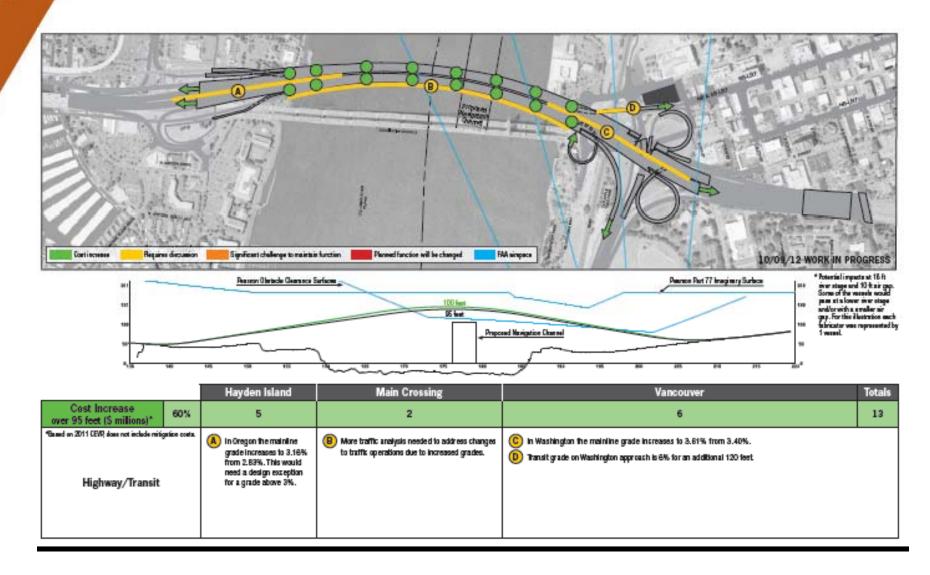


Vertical clearance - affected areas



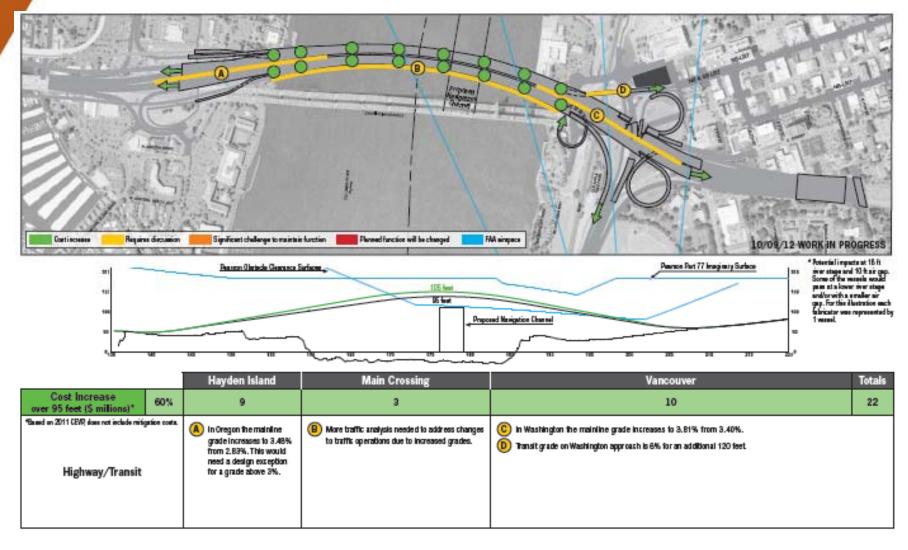


Vertical clearance - 100 feet



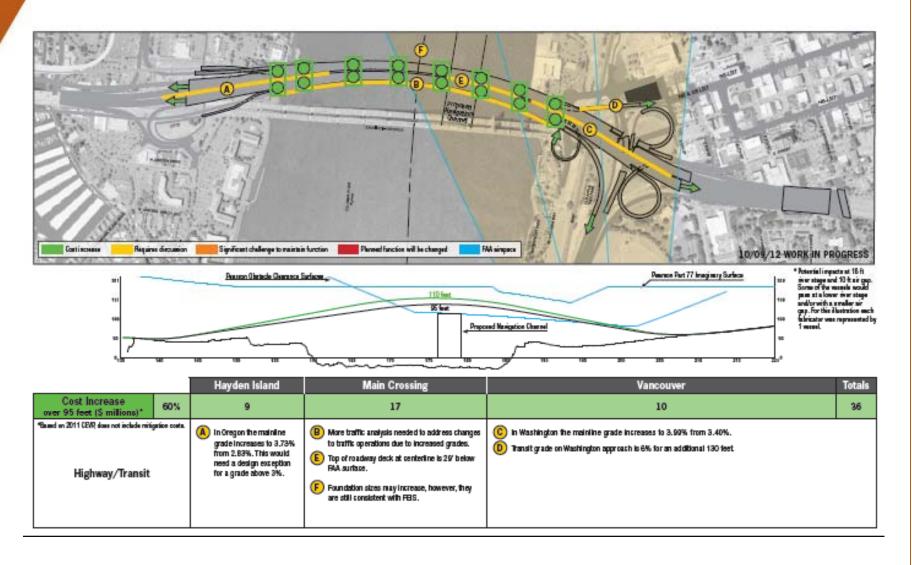


Vertical clearance -105 feet





Vertical clearance – 110 feet







Next steps





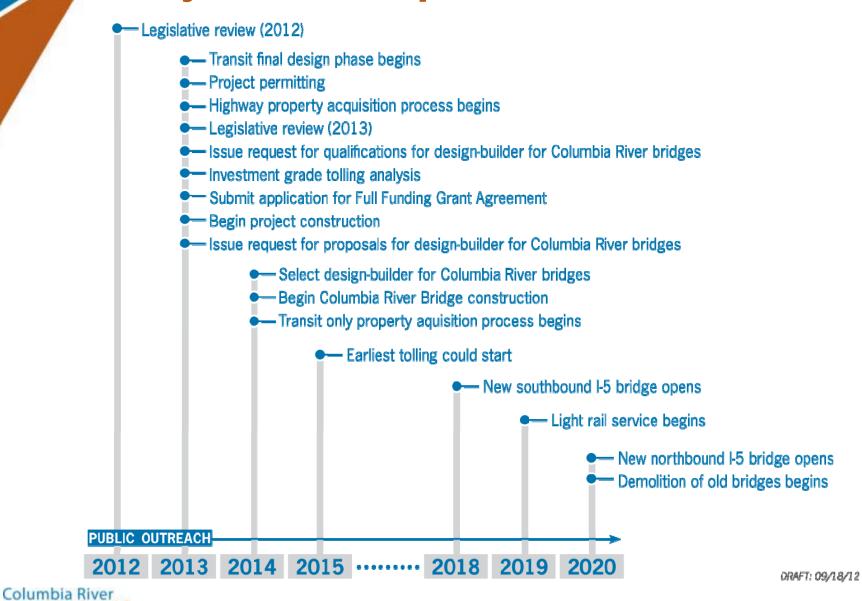








Project development schedule



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