

I-5 Bridge Replacement Project

Joint Committee on Interstate 5 Bridge Replacement Project
Kris Strickler, P.E., CRC Oregon Project Director
February 11, 2013



A project of national significance

- **Critical link between Canada and Mexico dependent on an old, vulnerable bridge**
- **Connects interstate system with access to deep water shipping, up-river barging, two ports, two water-level rail lines, and air transport.**
- **One of the worst freight bottlenecks in the nation**
- **\$40 billion in freight crosses bridge; \$71 billion by 2030**



Oregon truck flows



Oregon business depends on transportation



Critical I-5 problems



- **Crashes:** 400 per year increasing to 750 by 2030
- **Congestion:** 4 to 6 hrs. per day increasing to 15 hrs. by 2030
- **Freight immobility:** trucks involved in 50% more crashes than autos
- **Earthquake risk:** timber pilings in vulnerable soil
- **Limited transit options:** Bus subject to I-5 congestion
- **Poor bike and ped access:** 4 ft. wide shared path

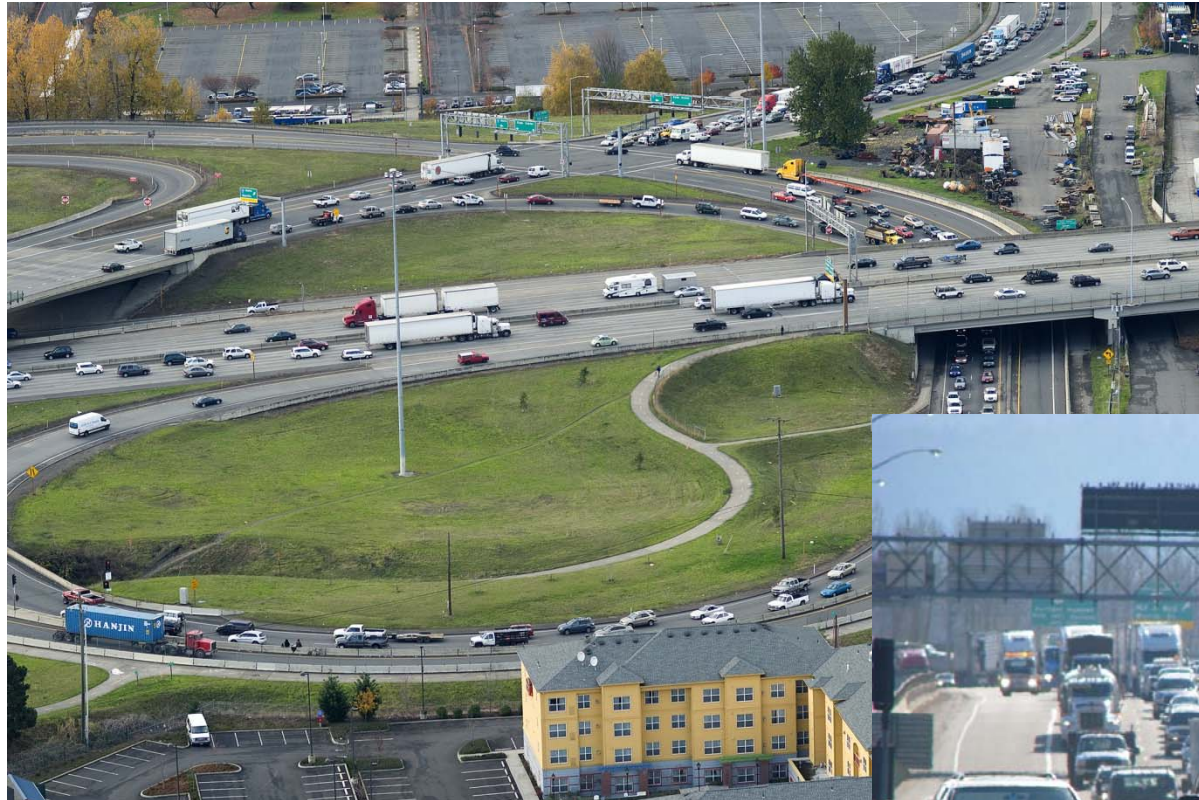
I5 bridge project area



Hayden Island interchange



Marine Drive interchange

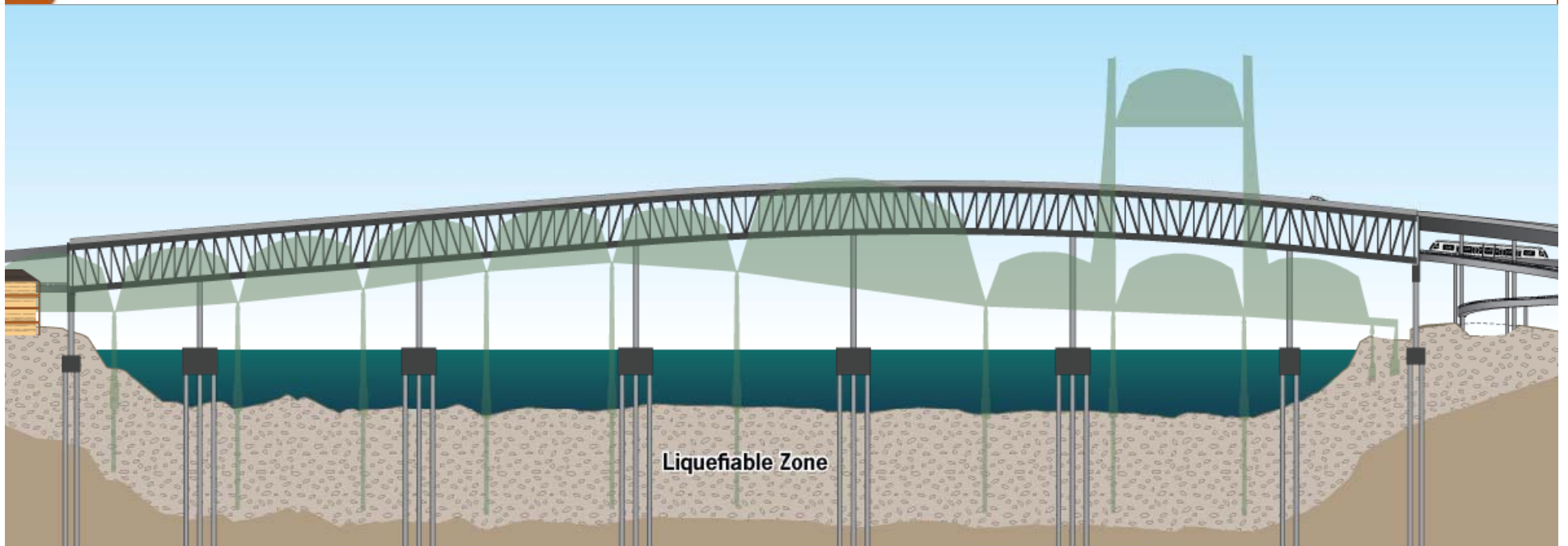


Interstate 5 Bridge





Seismic stability



**Illustration, not to scale. Exaggerated vertical proportion of*

Long-term solution



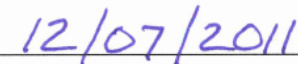
- **Replace I-5 bridge**
- **Improve safety and capacity in 5-mile corridor and interchanges**
- **Connect light rail to Vancouver**

The Record of Decision 12/7/2011

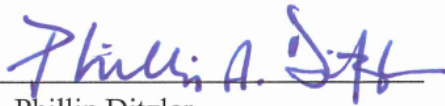
This I-5 Columbia River Crossing Project Record of Decision is hereby approved.



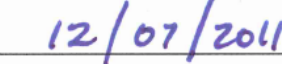
Daniel M. Mathis
FHWA Washington
Division Administrator



Date of Approval



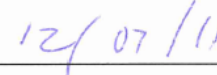
Phillip Ditzler
FHWA Oregon Division
Administrator



Date of Approval



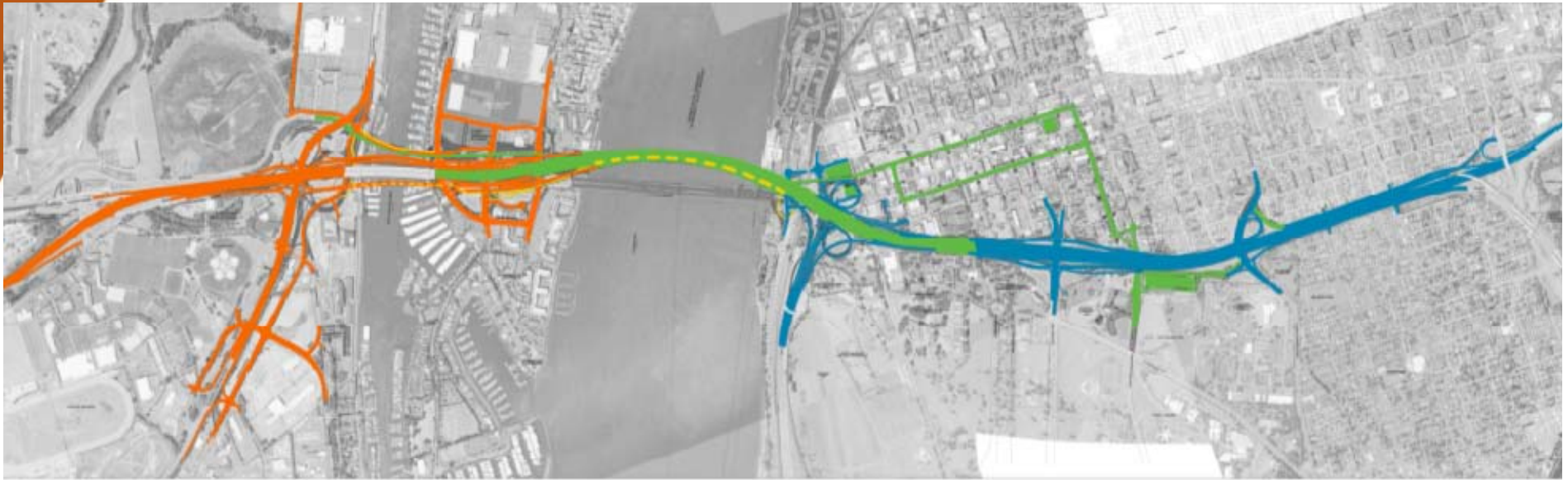
R.F. Krochalis
FTA Regional Administrator,
Region 10



Date of Approval

- Re-confirms the purpose and need
- Reviews and validates technical work to date
- Reviews and validates the process used to select a preferred alternative
- Approves the mitigation measures to be used where there are unavoidable environmental impacts
- End of the planning stage; indicates the end of the NEPA process

Project construction cost estimates and fund sources



Oregon Roadway and Interchanges	Cost	Funding Source
Oregon Roadway and Interchanges Total	\$595 million	State and/or federal funds

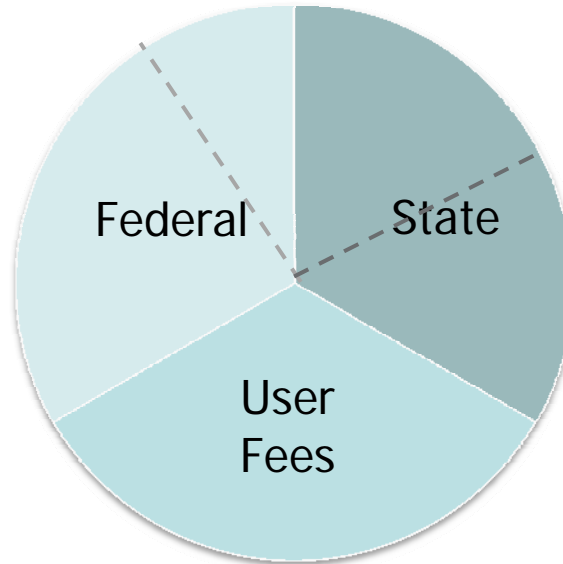
Columbia River Bridge and Approaches	Cost	Funding Source
Columbia River Bridge and Approaches Total	\$1.2 billion	Tolls and State or Federal funds

Light Rail Transit Extension	Cost	Funding Source
Light Rail Transit Extension Total	\$850 million	FTA New Starts

Washington Roadway and Interchanges	Cost	Funding Source
Washington Roadway and Interchanges Total	\$435 million	State and/or Federal Funds

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

Funding sources



Federal	User Fees	State
FTA (\$850 M) FHWA (\$400 M)	Toll revenue (\$900 M - \$1.3 B) TIFIA (loan to leverage tolls)	Washington (\$450 M) Oregon (\$450 M)

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 \$900M-\$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**

Coast Guard General Bridge Permit Process



Project schedule

- Final Environmental Impact Statement
- Federal Record of Decision

- Legislative review (2012)
- Transportation commissions sign agreement for bi-state toll setting process

- Legislative review (2013)
- Project permitting
- Property acquisition process begins
- Submit application for transit Full Funding Grant Agreement
- Begin early construction activities

● Begin bridge construction

● Earliest pre-completion tolling could begin

● New southbound I-5 bridge opens

● Light rail service begins

● New northbound I-5 bridge opens

● Demolition of old bridges begins

PUBLIC OUTREACH



CROSSING

Columbia River CROSSING

700 Washington Street, Suite 300
Vancouver WA, 98660

Washington 360-737-2726

Oregon 503-256-2726

Toll-Free 866-396-2726

www.ColumbiaRiverCrossing.org

feedback@columbiarivercrossing.org



 Oregon Department
of Transportation

 Washington State
Department of Transportation

Federal Transit Administration • Federal Highway Administration
City of Vancouver • City of Portland • SW Washington Regional Transportation Council • Metro • C-TRAN • TriMet