

SR 520 Bridge Replacement and HOV Program

I-5 to Medina, West Connection Bridge Project

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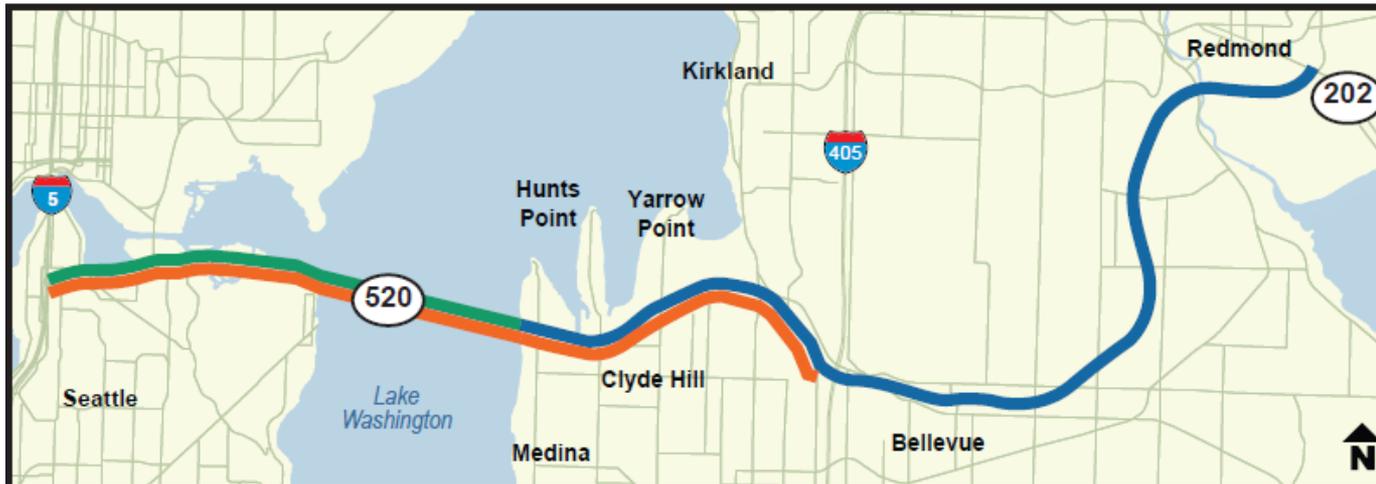
SR 520 Program Director

Contractor Informational Meeting
Seattle Central Public Library
November 27, 2012
11 a.m. - noon

SR 520 Program overview and updates

The SR 520 Bridge Replacement and HOV Program will replace the Portage Bay and Evergreen Point bridges and improve the existing roadway between I-5 in Seattle and SR 202 on the Eastside.

- I-5 to Medina: Bridge Replacement and HOV Project** – Replaces the SR 520 floating bridge and landings, and interchanges and roadway between I-5 and the eastern shore of Lake Washington.
- Medina to SR 202: Eastside Transit and HOV Project** – Completes and improves the transit and HOV system from Evergreen Point Road in Medina to the SR 202 interchange in Redmond.
- Lake Washington Congestion Management Project** – Implements tolls on the existing SR 520 floating bridge, and activates Smarter Highways features from I-5 to I-405.
- Pontoon Construction Project** – Advances pontoon construction to restore the floating section of the SR 520 bridge in the event of a catastrophic failure and to store those pontoons until needed.



West Connection Bridge Project Vicinity



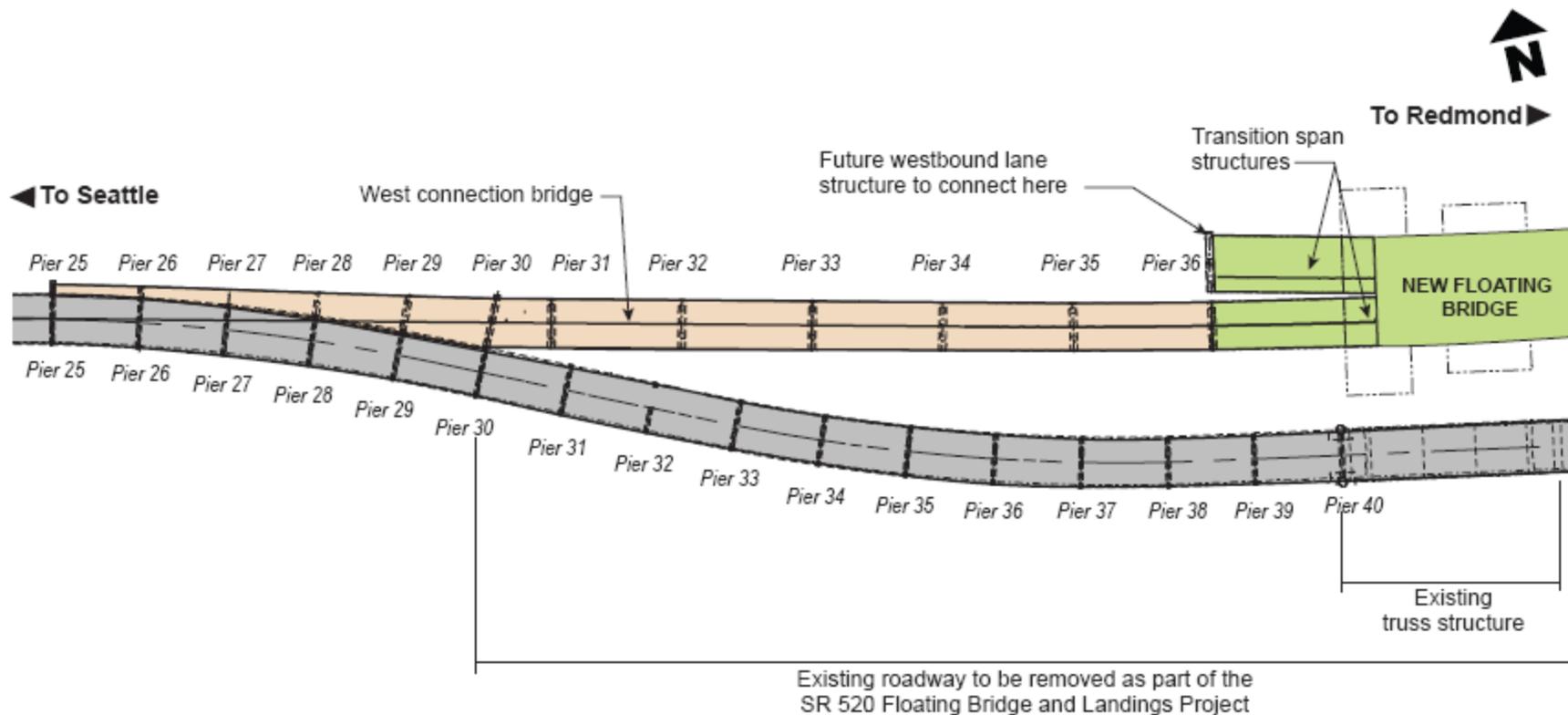
NOTE: For illustrative purposes only.

West Connection Bridge Schedule – Key Dates

- Advertisement: February 19, 2013
- Execution: June 2013
- Vibratory pile driving allowed: September 1, 2013 to April 15, 2014
- Impact hammer pile driving allowed: October 8, 2013 to April 15, 2014
- Pier 36 available to WCB Contractor: November 16, 2013
- Pier 36 turnover to FB&L Contractor: May 14, 2014
- WCB Contract complete: before June 30, 2014

- These dates are subject to change.

West Connection Bridge/Floating Bridge Construction Interface

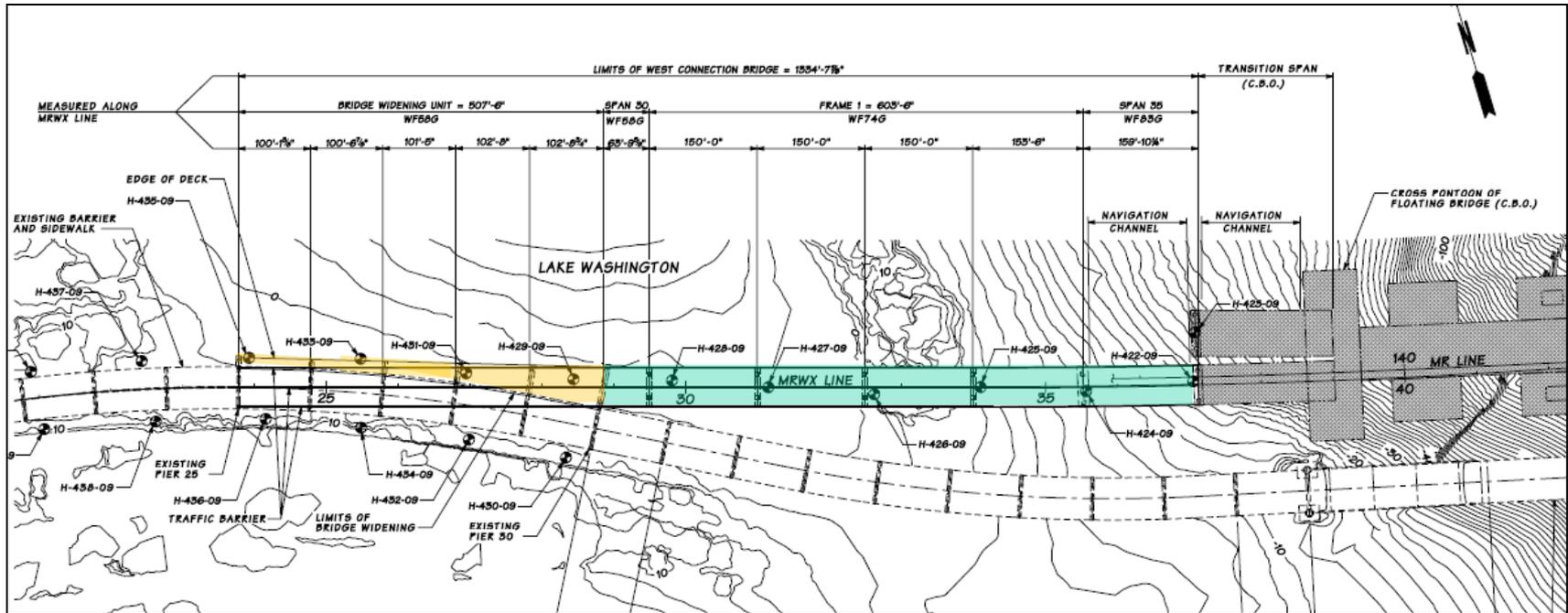


Note: Approximate length of west connection bridge is 1,335 feet.

LEGEND:

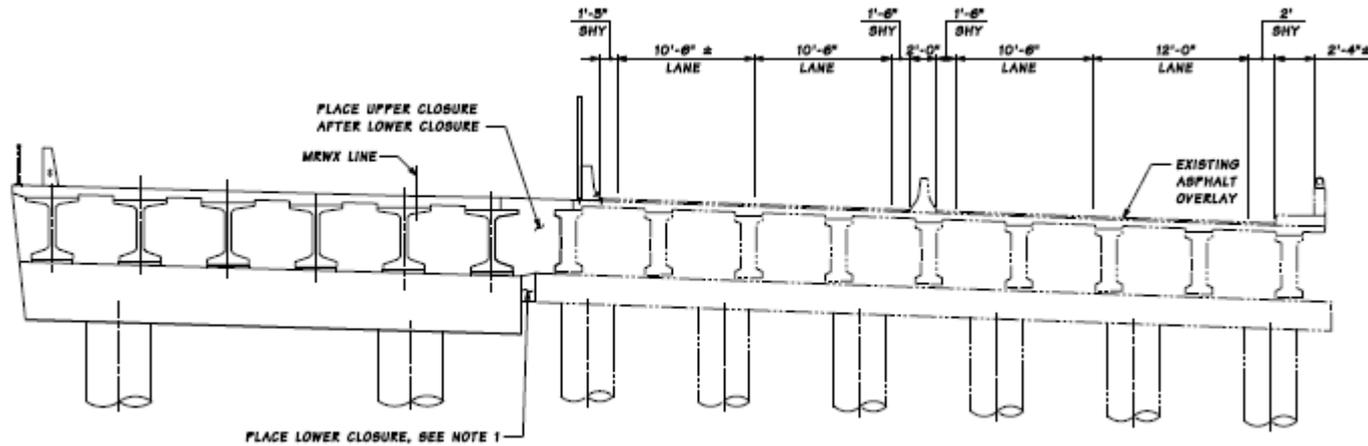
- West connection bridge
- Permanent bridge structures
- Existing

West Connection Bridge Layout

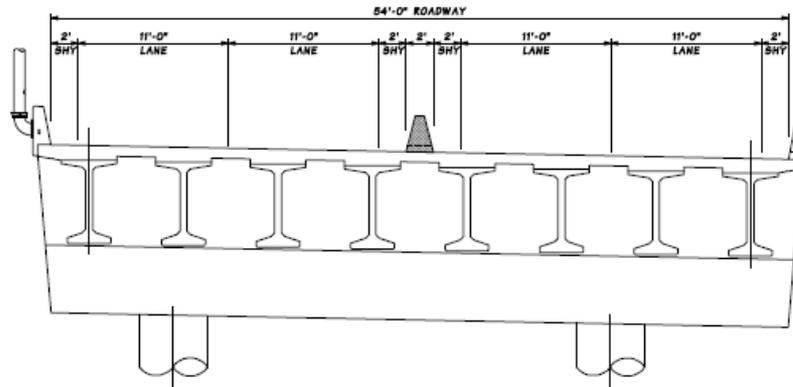


	<u>Widening</u>	<u>New</u>		<u>Widening</u>	<u>New</u>
Spans:	5 Spans	6 Spans	▪ Girder Types:	WF58G	WF74G, WF83G
Width:	15 ft to 60 ft	56 ft	▪ Typical Span Length:	100'	150'
Columns:	9	10	▪ Shafts:	8'	10' & 12'
			▪ Shaft Length:	45' - 60'	100' & 112'

West Connection Bridge Typical Sections



Typical Section – Widened Bridge Near Pier 29



Typical Section – Stand-Along Bridge Near Pier 32

Environmental Overview

- All regulatory agency approvals are obtained for project as currently designed:

- ESA Compliance
- NEPA Compliance
- Section 106 Compliance
- USCG General Bridge Permit
- Army Corps Permit
- Dept. of Ecology 401 Water Quality Certification
- WDFW Hydraulic Project Approval
- Seattle Shoreline Substantial Development Permit

Environmental Overview Continued...

- The approvals were issued for the entire I-5 to Medina corridor, but the contract will have the specific WCB conditions broken out.
- Any changes to the design or construction means and methods may trigger permit or environmental approval modifications.
- No NPDES General Construction permit will be needed, as the site will be entirely over- and in- water construction.
- A Water Quality Monitoring and Protection Plan will be needed to authorize specific construction means and methods, and is being prepared prior to contract ad date.

Environmental Overview Continued...

- Certain timing restrictions apply to in-water construction:
 - Intense noise generating activities allowed October 8 thru April 15.
 - Turbidity generating activities allowed September 1 thru April 15, with some exceptions.

External Coordination

- Tribal Fishing Rights and Interests
- Marine Operations Coordinator
- Community Construction Management Plan (CCMP)
- Staging and Haul Route Restrictions
- Night work
- Vibration/settlement monitoring



Questions

For more information

Program website: www.wsdot.wa.gov/projects/sr520bridge/

Ad and Award website:

[www.wsdot.wa.gov/biz/contaa/WSDOTPRO/pread/SR520WESTCONNECTI
ON/default.htm](http://www.wsdot.wa.gov/biz/contaa/WSDOTPRO/pread/SR520WESTCONNECTI
ON/default.htm)

OR Contact the WSDOT technical point of contact:

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