

SR 520 Bridge Replacement and HOV Program

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**Pontoon Construction Project
Voluntary Submitters Meeting
July 1, 2009**

Presentation agenda

- SR 520 Program overview
- Pontoon Construction Project overview
- Pontoon and casting basin design
- Environmental documentation and permitting strategy
- D/M/WBE information
- Questions & Answers



SR 520 Program description

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

The SR 520 Bridge Replacement and HOV Program includes four projects:

I-5 to Medina: Bridge Replacement and HOV Project

 I-5 to vicinity of Evergreen Point Road.

Medina to SR 202: Eastside Transit and HOV Project

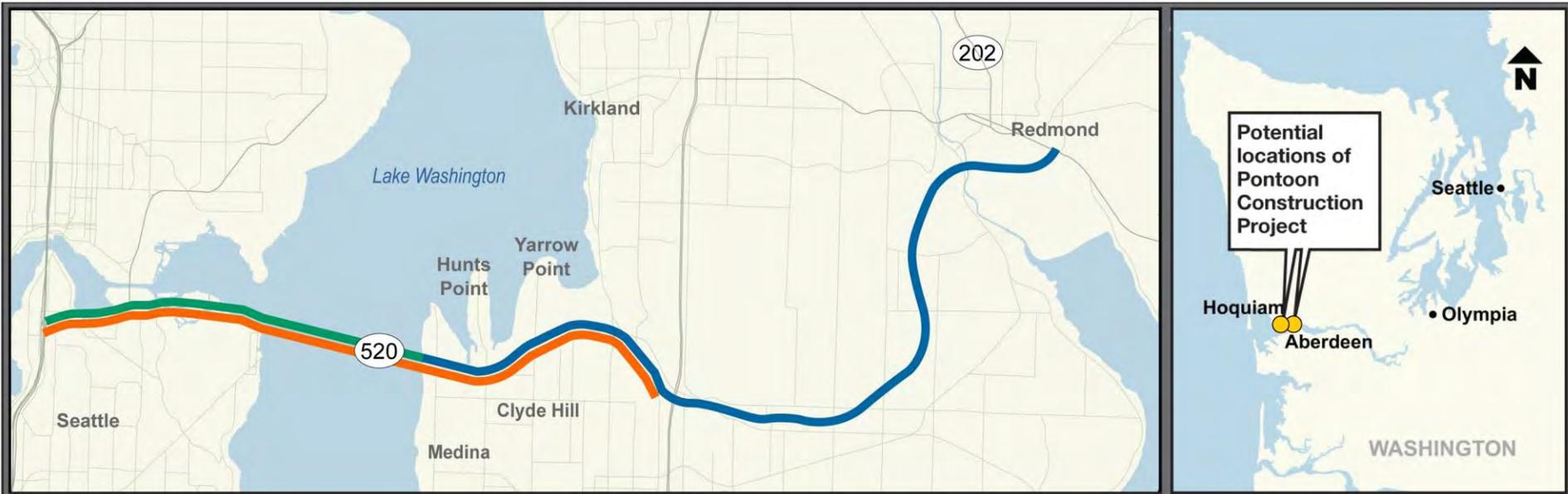
 Evergreen Point Road to SR 202.

Pontoon Construction Project

 Pontoons for catastrophic failure planning.

Lake Washington Congestion Management Project

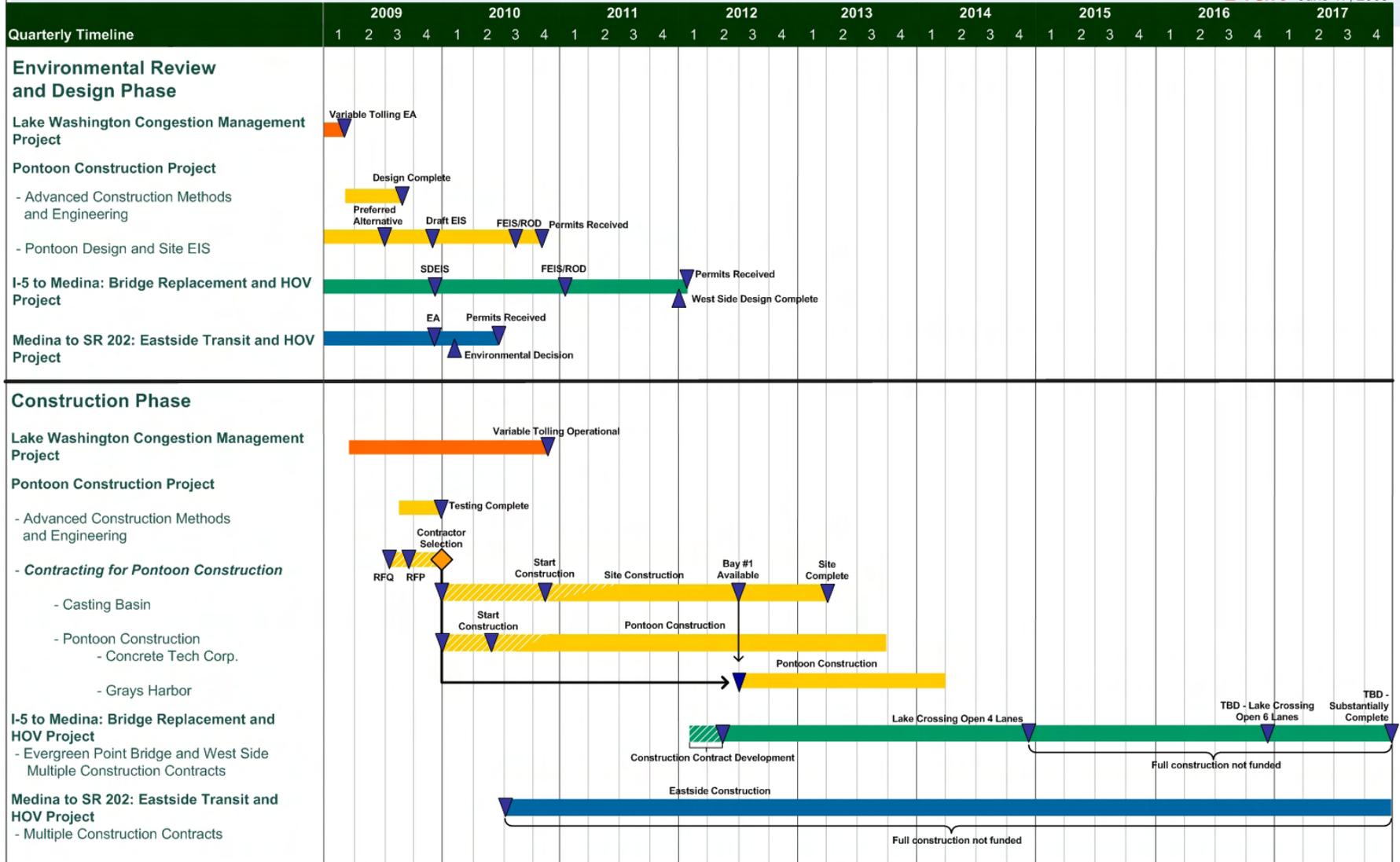
 Traffic management and tolling from I-5 to I-405.



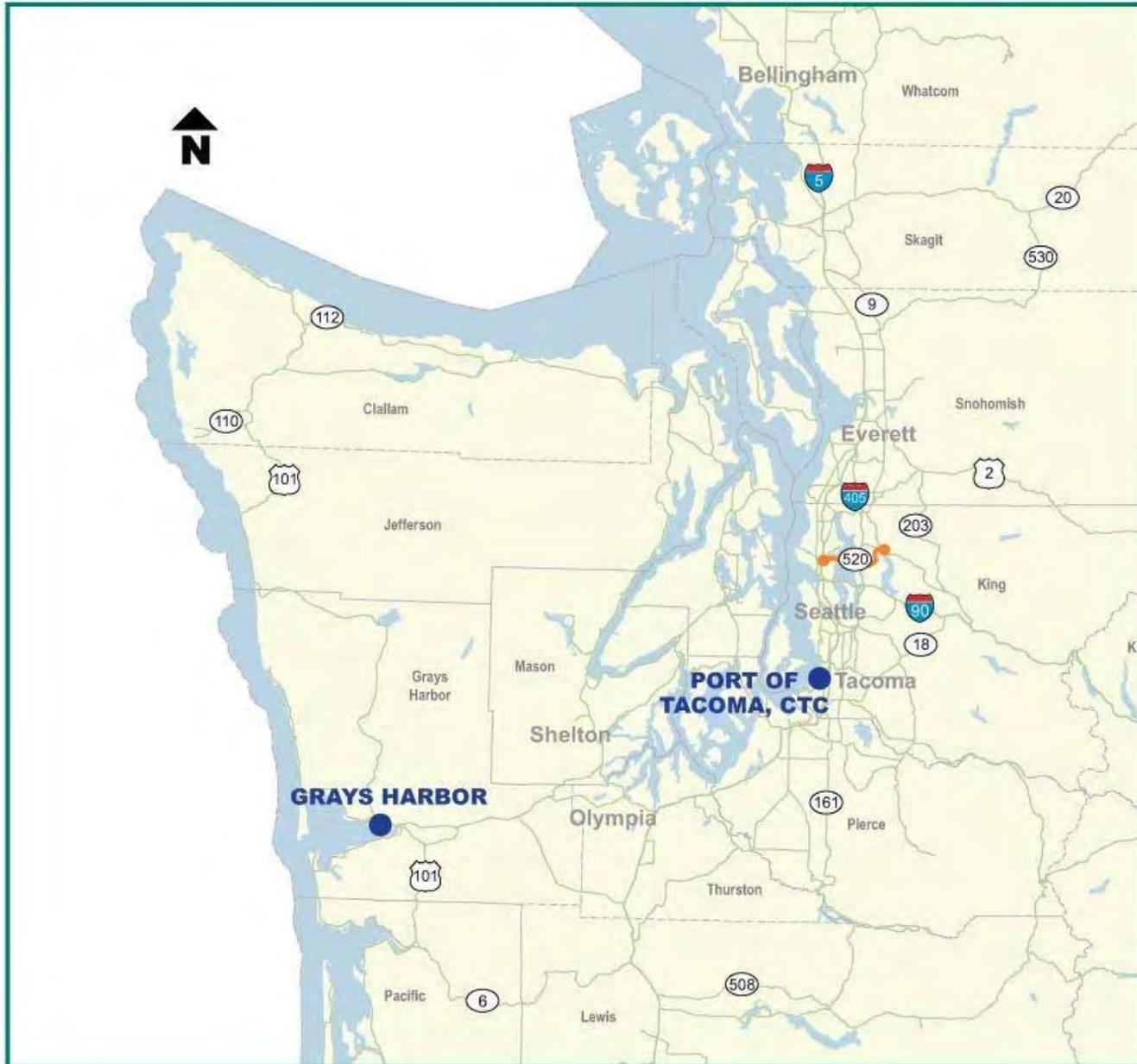
SR 520 Program schedule

SR 520 Bridge Replacement and HOV Program Schedule

Draft - June 17, 2009



Building pontoons in Washington



Design Build Project Description

- Design and construction of a new casting facility in Grays Harbor.
- Design and construction of the new pontoons.
- Store pontoons until needed.
- Requires means and methods to facilitate precise concrete casting.

Pontoon Construction Project schedule

2009	2010	2011-2014
<ul style="list-style-type: none">■ Identify an agency preferred alternative.■ Issue draft environmental impact statement.■ Conduct 45-day public comment period for draft environmental impact statement.■ Advertise and select contractor to design and build new pontoons.	<ul style="list-style-type: none">■ Issue final environmental impact statement.■ Final site selection.■ Issue Record of Decision.■ Make existing CTC site in Tacoma available to design-builder.■ Begin building new casting facility in Grays Harbor.	<ul style="list-style-type: none">■ Construct pontoons at facilities in Tacoma and Grays Harbor.■ Work substantially complete (March 2014).

Key dates for design-build procurement

June 2009	July 2009	Aug. 2009	Sept. 2009	Oct. 2009	Nov. 2009	Dec. 2009	Jan. 2010
<ul style="list-style-type: none"> •June 22: RFQ issued •June 26: Questions due for voluntary meeting 	<ul style="list-style-type: none"> •July 1: Voluntary submitters meeting •July 16: RFQ questions due 	<ul style="list-style-type: none"> •Aug. 21: Shortlisted submitters •Aug. 24: RFP issued 	<ul style="list-style-type: none"> •Sept. 2: Voluntary proposers meeting •Sept. 8 - Oct. 16: Individual confidential meetings with shortlisted submitters 		<ul style="list-style-type: none"> •Nov. 10: RFP questions due •Nov. 24: proposals due 	<ul style="list-style-type: none"> •Dec. 23: Announce apparent best value •Dec. 31: Estimated contract award 	<ul style="list-style-type: none"> •Jan. 25: Estimated notice to proceed

Use existing facility at Concrete Technology Corporation

- CTC in Tacoma will be available for this project.
- Construction of pontoons can begin in 2010.



Two potential sites in Grays Harbor



Aberdeen Log Yard

W. Heron Street and S. Division Street
Aberdeen, WA 98520

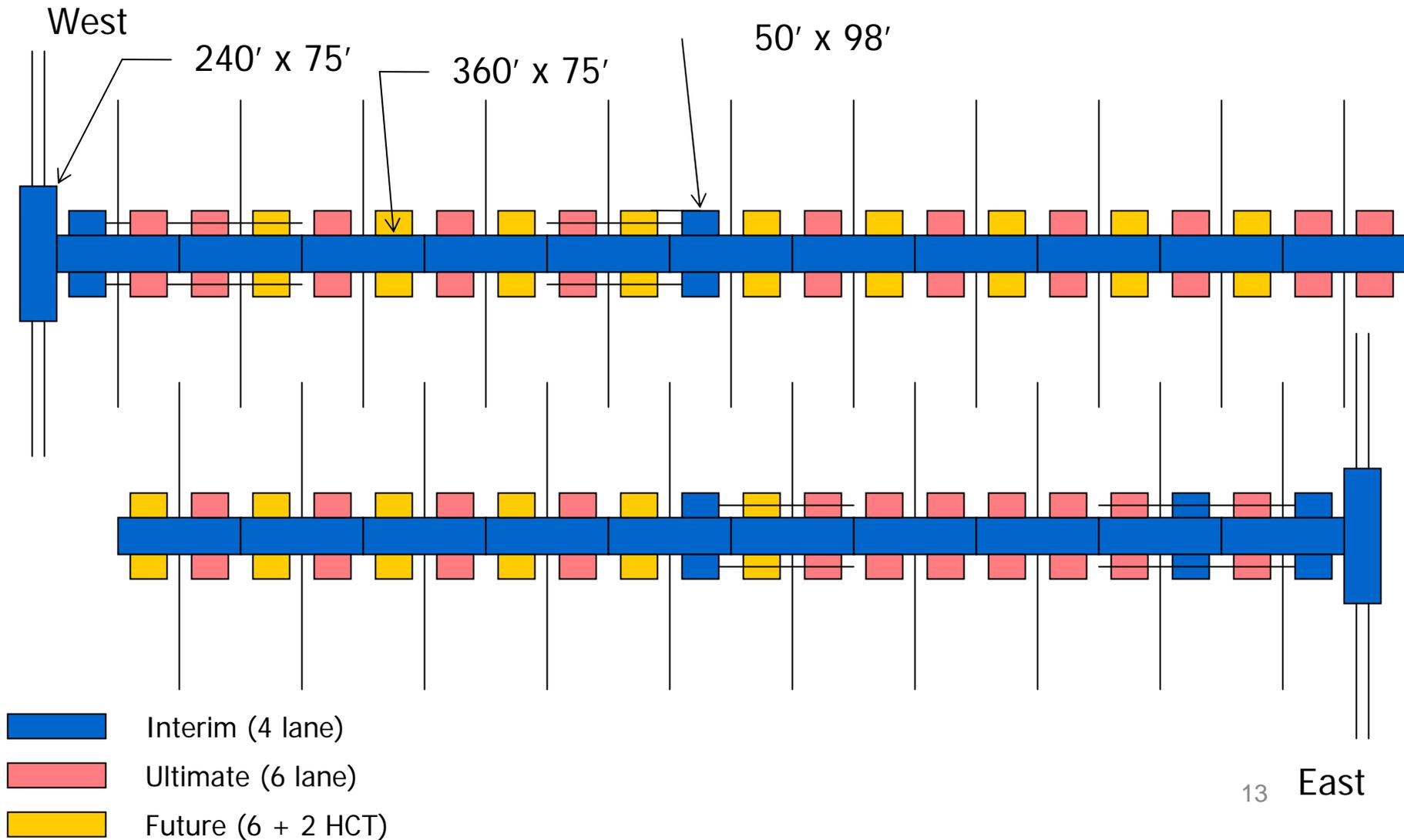


Anderson & Middleton

815 Eighth Street
Hoquiam, WA 98550

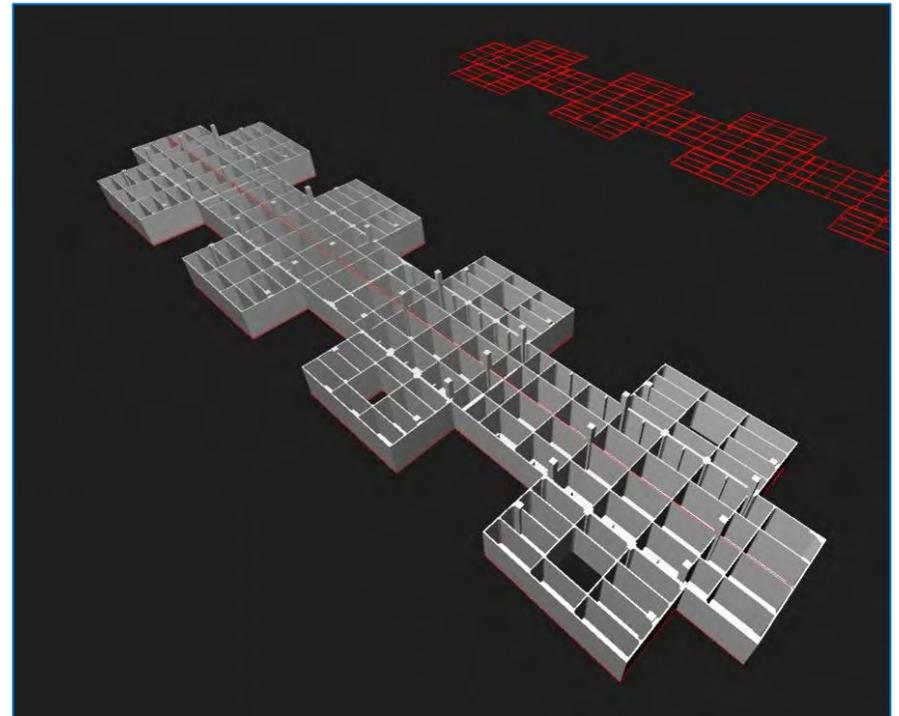


SR 520 bridge pontoon configuration



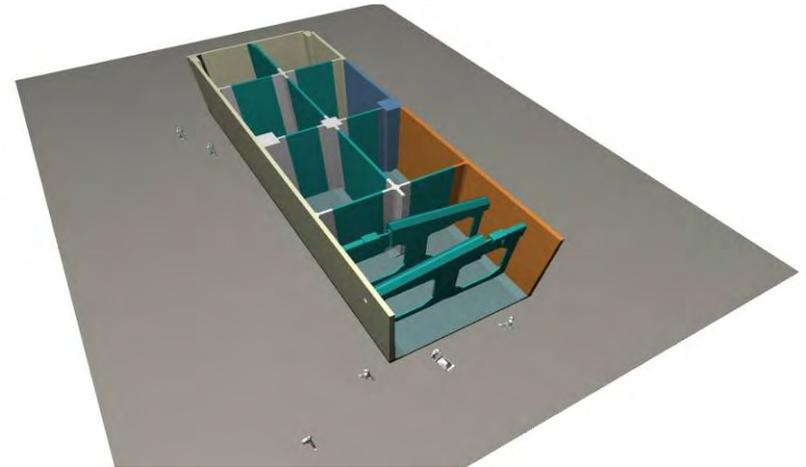
Pontoon and Casting Facility Design: What is WSDOT providing?

- Pontoons
 - Geometry.
 - Minimum in-service reinforcement.
 - Construction specifications for bare pontoon sections.
- ACME: Phase I & II
- Pontoon casting and launch facility



Pontoon, Casting, and Launch System Design: Work to be performed by the design-builder

- Design of pontoon casting yard and launch facility at Grays Harbor.
- Design of pontoon launch system at Concrete Technology.
- Pontoon Engineering and Construction.



Mock-up Test Section



Auxiliary Buoyancy System @ CTC

Future Work at Casting Facility

- Separate contract

- Casting 44 supplemental stability pontoons.
- Outfitting of pontoons.
- Anchor construction.
- Hull cleaning prior to towing.
- Towing to Puget Sound and bridge site.



Environmental Process: EIS

- DEIS underway – issued November 2009.
- Inter-agency coordination since December 2008.
- DEIS focused on casting basin design.
- DEIS will disclose a preferred alternative.
- Formal comments on DEIS by January 1, 2010.
- ROD anticipated July 2010.

NEPA decision: Factors to consider

- Foundation/Dewatering
- Cultural Resources
 - Investigations to date indicate low risk.
 - Supplemental field work concluding in August.
 - Borings, trenching, literature searches for moorage.
- Hazardous materials
 - Investigations to date identified some concerns.
 - Supplemental field work concluding in July.
 - Pilings, groundwater, and hot-spot sampling.
- Natural Resources
 - Investigations to date revealed no major issues.
 - Supplemental field work concluding in August.
 - Wetland delineations.

Other environmental issues

- Indirect effects of dewatering
- Haul route/traffic
- Sport, commercial, and tribal fishing
- Fish windows
- Stormwater
- Noise



Permit Strategy: What permits will WSDOT receive?

Permit	Approving Agency	When Submitted	When Re-submitted
<u>WSDOT Obtained Aquatic Approvals</u> <ul style="list-style-type: none"> • CWA Section 404/R&H Section 10 Permit • CWA Section 401 Certification • CZMA Certification • Hydraulic Project Approval • Aquatic Lands Use Authorization • Shoreline Substantial Development Permit • Critical Areas Compliance • Invasive Species Transport Permit 	U.S. Army Corps Ecology Ecology WDFW DNR Local Jurisdictions Local Jurisdiction WDFW	+2 weeks from DEIS Comment Period (January, '10)	Approximately 4 months after award
<u>WSDOT Obtained Protected Species Approvals</u> <ul style="list-style-type: none"> • Endangered Species Act • MMPA Incidental Harassment • MBTA Consistency Determination • Eagle Acts Consistency Determination • Fish & Wildlife Coordination Act 	Services NMFS USFWS USFWS USFWS	January, '10	As needed
WSDOT Obtained Moorage Area Designation	Coast Guard	September, '09	NA
WSDOT Obtained Sampling Analyses Plan Approval	DMMO	August, '09	NA

Permit Strategy: What permits will the Design-Builder receive?

Permit	Approving Agency	When Submitted	When Re-submitted
<u>D-B Obtained Approvals</u> <ul style="list-style-type: none"> • PATON Permit • NPDES Construction General Permit • NPDES Sand and Gravel General Permit • Dredge Disposal Site Use Authorization • Air Quality Notice of Construction • Street Use Permit • Noise Variance • Building Permit 	Coast Guard Ecology Ecology DNR ORCAA Local Jurisdictions Local Jurisdiction Local Jurisdiction	As needed	As needed

Disadvantaged, Minority and Women-Owned Business Enterprises

- 10% DBE goal for participation and training.
- 15 % apprentice requirement.
- 50,000 training hours.
- Tribal Employment Rights Ordinance (TERO).
- State and Federal prevailing wage requirements.



Questions?

For more information visit these Web sites:

Program Information - www.wsdot.wa.gov/projects/SR520Bridge

Contracting Information - www.wsdot.wa.gov/biz/contaa/

