



STATE ROUTE 520

CONSTRUCTION PROGRESS REPORT

MARCH 2015



Aberdeen: Opening the sluice gates during final float-out



Floating Bridge: Pouring final segmental section at Pier 1



Eastside: Evergreen Point Road overpass lid



West Approach Bridge North (WABN): Sidewalk replacement along Montlake Boulevard

DATE PUBLISHED: June 23, 2015





WABN: Delivery of a permanent casing



Aberdeen: Signing the pontoon-completion banner

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Executive Summary

EXECUTIVE OVERVIEW

The SR 520 Bridge Replacement and HOV Program will improve safety and reliability throughout the SR 520 corridor, from I-5 in Seattle to the Eastside. Projects currently under construction include the new six-lane SR 520 floating bridge, the new six-lane Eastside corridor that includes culverts, improved transit facilities and lids, pontoon construction in Aberdeen, and the new west approach bridge for westbound traffic. Future work includes replacing the Portage Bay Bridge, building a new west approach bridge for eastbound traffic, building lids in Seattle, and connecting a bicycle/pedestrian path from the floating bridge to local and regional trails in Seattle.



Aberdeen: WSDOT Deputy Secretary Cam Gilmour addresses crowd during final float-out celebration on March 9



Map of SR 520 Bridge Replacement and HOV Program

CURRENTLY FUNDED PROGRAM

We are currently funded to move forward with:

- Constructing a new, safer floating bridge, as well as a fixed West Connection Bridge linking the new floating bridge to SR 520's existing four-lane segment in Seattle.
- Building pontoons at casting basin facilities in Tacoma and Grays Harbor.
- Constructing the Eastside Transit and HOV Project.
- Building the north half of the new west approach bridge, and connecting six lanes of traffic and the regional shared-use path from the Montlake interchange to the new floating bridge.
- Continuing to design the remaining elements of the west side of the corridor.

PROGRAM STATUS

Pontoon Construction Project: Achieved final float-out March 9, 2015, and achieved Cycle 6 milestone segment acceptance on March 12, 2015.

Eastside Transit and HOV: Crews continued finishing work on lids, curbs, and sidewalks. Crews also continued landscaping, finished training, demonstration, and testing of underlid lighting system, completed fiber-optic testing and acceptance, and fence installation.

Floating Bridge and Landings (FB&L): On Lake Washington, crews ballasted and moved longitudinal pontoons I and J together in preparation for joining. Work continued at the bridge maintenance facility, with crews installing siding, windows and framing at all levels.

West Approach Bridge North (WABN): Work-trestle construction continued on Lake Washington with spans 96-112 completed. Also, the contractor continued constructing work-trestle fingers at Piers 23-27 and installed casings at Piers 17-24. The contractor continued local street improvements on Montlake Boulevard and Lake Washington Boulevard. Union Bay Bridge widening work continued with installation of piles at Piers 1-5



WABN: Casing inspection

MAJOR RISKS

Notable major risks that could delay the program or increase costs include:

- Weather, tides or other natural events that delay pontoons needed for the FB&L project.
- Inflation costs for labor, materials and equipment.
- New requirements or contract changes required by local communities, regulatory groups or agencies.
- Pontoon moorage not available as needed.
- Pontoon joining complications.
- Geotechnical difficulties.
- A lengthy commissioning process could impact the open-to-traffic date.
- Potential for damage to the new bridge during the demolition of the old bridge.

UPCOMING MILESTONES

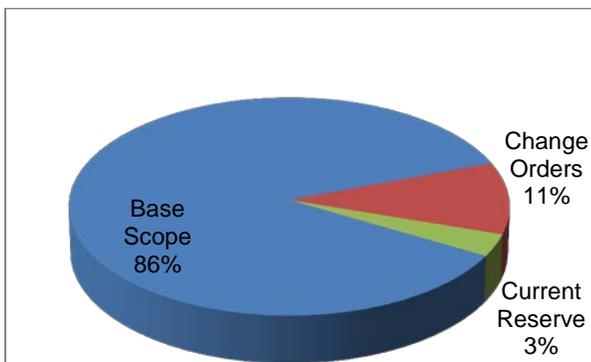
- **Pontoons:** F, G and H will be delivered to the FB&L project on Lake Washington.
- **Eastside Transit and HOV:** At Evergreen Point Road and Fairweather Bay, crews will continue to work on punch-list items in preparation for turnover to the FB&L contractor. At 84th, 92nd and 108th avenues and Bellevue Way, crews will continue to work toward a May 2015 target for substantial completion.
- **Floating Bridge and Landings:** At Lake Washington, crews will begin ballasting and joining supplemental pontoons F, G and H. Crews will continue work at the bridge maintenance facility: framing, installing dry wall, plumbing, sprinkler system and electrical, and painting. Bridge deck panel work will continue at Kenmore.
- **WABN:** The contractor will continue construction of a widened Union Bay Bridge. Local street and sidewalk improvements in Montlake will continue. Work-trestle and finger-pier construction will continue on Lake Washington and the contractor will continue setting permanent shaft casings.

Total Program

	Total Budget	Actuals to Date	Remaining
SR520 Program Totals	\$4,471,210,704	\$2,178,619,855	\$2,292,591,165
Funded Program	\$2,905,210,704	\$2,178,619,855	\$726,591,165
Federal	\$498,134,693	\$213,627,777	\$284,506,915
FEDERAL GRANT FUNDS	\$3,000,000	\$3,000,000	\$0
FEDERAL FORMULA FUNDS	\$179,952,810	\$50,247,895	\$129,704,915
HIGHWAY SAFETY IMPROVEMENT	\$14,015,000	\$14,015,000	\$0
OUTDOOR ADVERTISING-INTERSTATE	\$855,000	\$855,000	\$0
STATE MATCHING (FUND 880)	\$311,883	\$311,883	\$0
TIFIA (USDOT - TIFIA LOAN)	\$300,000,000	\$145,198,000	\$154,802,000
Local	\$2,303,701	\$1,276,319	\$1,027,382
LOCAL PROJECT(CURRENT)	\$2,303,701	\$1,276,319	\$1,027,382
State	\$2,245,372,310	\$1,963,715,759	\$281,656,867
TRANSPORTATION PARTNERSHIP ACCOUNT (TPA)*	\$535,732,598	\$391,367,494	\$144,523,115
NICKEL ACCOUNT STATE DOLLARS	\$52,243,840	\$52,244,156	\$0
SR520 CORRIDOR	\$549,032,022	\$549,032,022	\$0
SR520 GARVEE	\$924,612,501	\$924,612,501	\$0
SR520 TRIPLE BACKED BOND SECOND SALE	\$110,906,800	\$0	\$110,906,800
Toll Revenue	\$70,271,057	\$43,886,093	\$26,384,964
STATE FUNDS	\$2,573,492	\$2,573,492	\$0
Deferred Sales Tax	\$159,400,000		\$159,400,000
DEFERRED SALES TAX	\$159,400,000		\$159,400,000
Unfunded Program	\$1,566,000,000		\$1,566,000,000
I-5 TO THE FLOATING BRIDGE	\$1,566,000,000		\$1,566,000,000

*TPA Includes \$10M from ESSB 6001 for west side design development.

** In January 2015, WSDOT announced an updated cost estimate of \$4.47 billion to reconstruct the SR 520 corridor. The new estimate included a \$1.57 billion cost to construct SR 520's unfunded western segment. (A 2012 estimate put that cost at \$1.40 billion.)



Cumulative Reserve	\$432,500,000
March Change Orders	(\$3,023.00)
Previous Change Orders	(\$311,483,087.00)
Current Reserve	\$121,013,890

Pontoon Construction Project

ABERDEEN PONTOONS OVERVIEW

The Washington State Department of Transportation in March 2015 completed pontoon construction to replace the aging and vulnerable SR 520 floating bridge on Lake Washington. The Pontoon Construction Project broke ground in July 2011 at a 55-acre site in Aberdeen. As part of this project, contractor Kiewit-General (K-G) Joint Venture built a new casting basin facility and constructed 33 concrete pontoons that will be used to replace the SR 520 floating bridge.

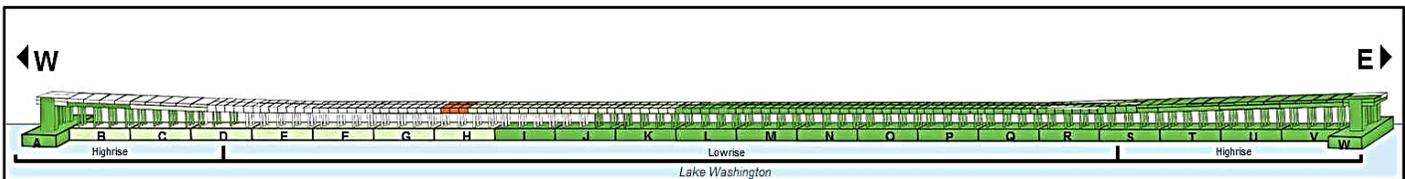


Aberdeen Mayor Bill Simpson speaks at March 9 celebration

Original Engineers Estimate	\$600,000,006
Bid Price	\$367,330,000
Change Orders to date	\$81,832,840
*Current Contract Value	\$456,894,200

**Includes \$7,731 Sales Tax*

Pontoon tracking on Lake Washington, 4/2/15

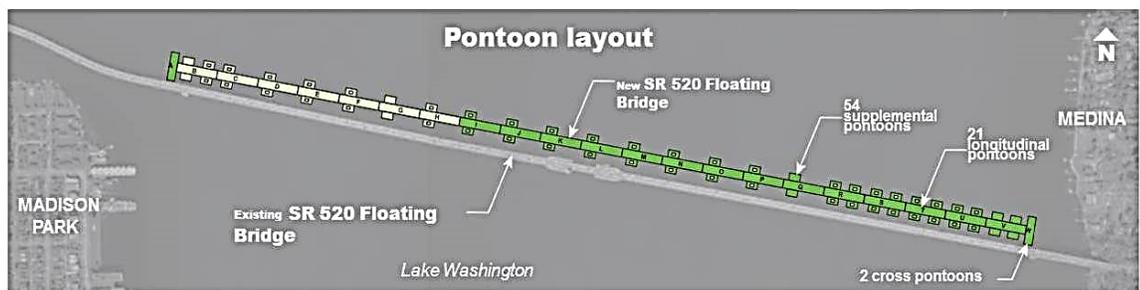


GRAPHIC KEY AND FACTS

- 776 low-rise roadway deck sections
- 23 high-rise roadway deck spans
- 331 girders
- 772 columns
- 21 longitudinal pontoons + 2 cross pontoons

Legend:

- In Final Location
- Construction Complete
- Under Construction
- Future Construction



Low-rise roadway deck includes pre-cast deck panels being constructed in Kenmore.

575 out of 776 pre-cast deck panels have been constructed. 394 of 776 have been placed.

High-rise roadway deck includes girders and cast-in-place deck.

14 out of 23 cast-in-place deck spans have been constructed.

331 out of 331 girders have been constructed. 238 of 331 have been placed.

The number of columns shown is a representation of the total number of columns.

537 out of 772 columns have been installed.

Current number of pontoons on Lake Washington: 74

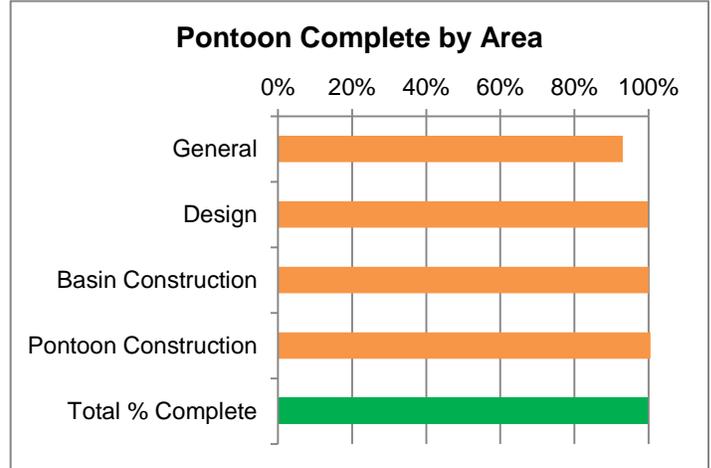
Total number of pontoons constructed to date: 77

Pontoons currently under construction: 0

Note: not to scale, for illustrative purposes only

MARCH ACCOMPLISHMENTS

Work continued on Cycle 6. Pontoon F is 100 percent complete, Pontoon G is 100 percent complete and Pontoon H is 100 percent complete. Achieved float-out March 9 and achieved milestone segment acceptance on March 12.



RISK

- Changes to design, materials or construction methods



Aberdeen: Crews prepare pontoon for towing

MARCH COSTS

Preliminary engineering is complete. The right of way budget is complete. The total actual cost to date from the contractor is 100% percent of the budget.

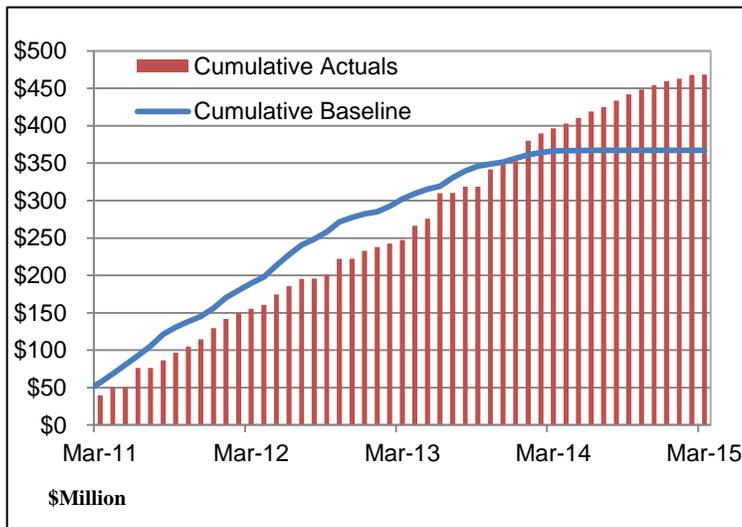
	Current Budget	Actuals to Date	Remaining Budget
Pontoon Construction Project Totals	\$519,312,874	\$512,400,782	\$6,912,092
Preliminary Engineering	\$32,568,750	\$32,568,750	\$0
Right of Way	\$5,789,554	\$5,702,613	\$86,941
Construction	\$480,954,570	\$474,129,419	\$6,825,151
<i>Current Contract Value (Includes Sales Tax)</i>	<i>\$456,894,200</i>	<i>\$455,375,874</i>	<i>\$1,518,326</i>
<i>Agreements</i>	<i>\$9,383,252</i>	<i>\$8,468,897</i>	<i>\$914,354</i>
<i>Construction Engineering</i>	<i>\$14,677,118</i>	<i>\$10,284,648</i>	<i>\$4,392,470</i>
<i>State Force Work</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
<i>State Materials</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
<i>Vendor Supplied Materials</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>

Cost information through March 31, 2015

MARCH CHANGE ORDER SUMMARY

There were zero change orders executed in March. All executed change orders total \$81,832,840 at the time of this report.

MARCH PERFORMANCE



The Schedule Performance Index (SPI) to date for the contractor is 1.27. This project is close to completion.



Aberdeen: Crews move tugboat into position

SUMMARY SCHEDULE

The current contractor schedule shows project physical completion 97 days earlier than the contract date established in Change Order 111. The projected delivery dates for the remainder of the project are as follows:

Milestone	Contract Date	Actual/Trend
Notice to Proceed 1 - Design Initiated	2/18/2010	2/18/2010
Notice to Proceed 2 - Site Construction Start	1/10/2011	1/10/2011
Pontoon Cycle 2 Segment Complete	3/15/2013	5/4/2013
Pontoon Cycle 3 Segment Complete	10/10/13	10/10/2013
Pontoon Cycle 4 Segment Complete	4/28/2014	4/22/2014
Pontoon Cycle 5 Segment Complete	10/14/2014	9/30/2014
Pontoon Cycle 6 Segment Complete	4/14/2015	3/9/2015
Physical Completion	8/12/2015	Early
Final Completion	12/10/2015	Early

MARCH QUALITY SUMMARY

“**Audits – Actual**” are audits performed by WSDOT Quality Verification staff on the design-builder’s compliance with contract requirements.

“**Nonconformance Reports**” are incidents recorded by the design-builder’s quality inspection staff that do not appear to be constructed in accordance with the approved drawings and specifications.

“**Nonconformance Issues**” are incidents recorded by WSDOT’s Quality Verification staff due to an audit finding based on their observance of the work.

	Previous Total	Current Period	Project Total	Open	Closed
Audits - Actual	1306	3	1309	0	1305

	Previous Total	Open	Current Period	Avg. Time Open
Nonconformance Reports (NCR)	797	13	1	180 days
Nonconformance Issues (NCI)	201	24	0	115 days

MARCH SAFETY SUMMARY

“**Recordable Incidents**” are job-related safety incidents that have been recorded.

“**Lost Time Incidents**” are job-related safety incidents that result in personnel not being able to work.

“**Contract Days without an Incident**” are the number of days since a lost-time incident has occurred.

Design-Builder	Previous Total	Current Period	Project Total
Recordable Incidents	13	0	13
Lost Time Incidents	1	0	1
Contract Days without an Incident	212	31	243

No recordable incidents occurred in March.

MARCH ENVIRONMENTAL SUMMARY

“**Noncompliance Event (ECAP)**” is an action not in compliance with environmental standards, permits or laws.

“**Minor Environmental Event**” is an environmental impact that does not meet the requirements to become an ECAP.

	Previous Total	Current Period	Project Total
Noncompliance Event (ECAP)	48	0	48
Minor Environmental Event	32	0	32

No environmental events occurred in March.

Eastside Transit and HOV Project

EASTSIDE OVERVIEW

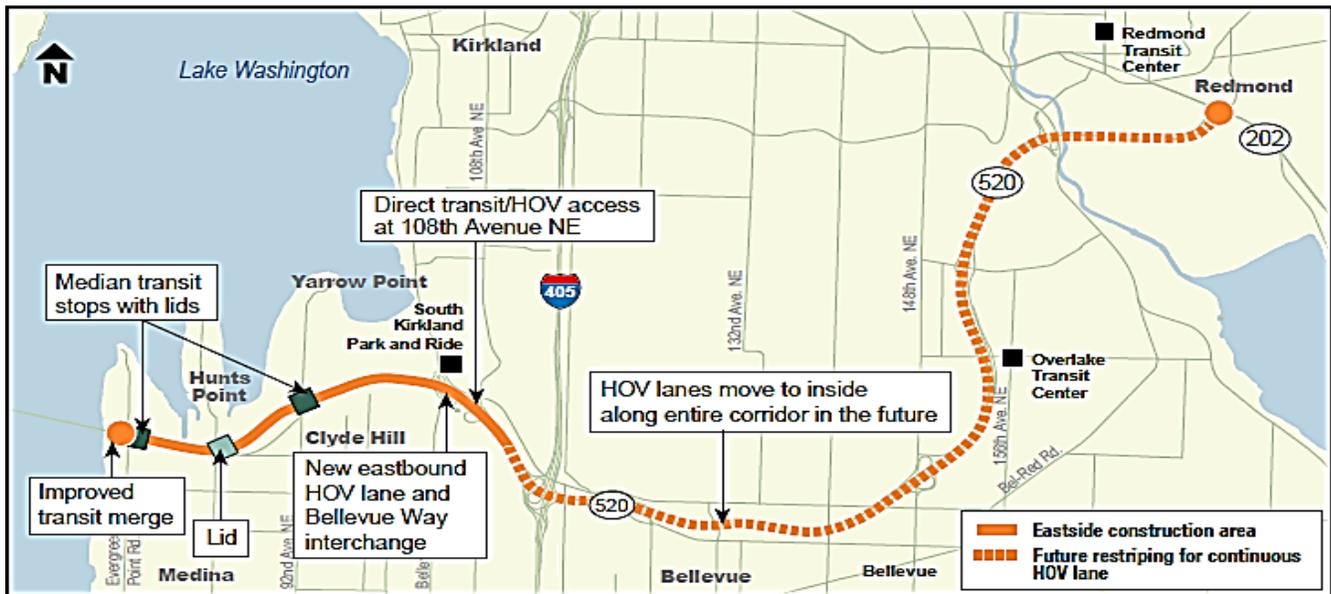
The Eastside Transit and HOV Project will complete and improve the 2.5-mile HOV system from Evergreen Point Road to the I-405 interchange. The improved six-lane corridor will include two general-purpose lanes and one transit/HOV lane in each direction, as well as two new transit station facilities, three community-connecting lids, eight new fish-passage culverts, and a regional bicycle and pedestrian path.



92nd Avenue Northeast lid, looking east

Original Engineers Estimate	422,064,082
Bid Price	306,278,000
Change Orders to date	\$57,358,392
Current Contract Value	\$363,636,392

Eastside Project Area Map



MARCH ACCOMPLISHMENTS

Evergreen Point Road/Fairweather Bay Area: Finished installing the Intelligent Transportation System (ITS).

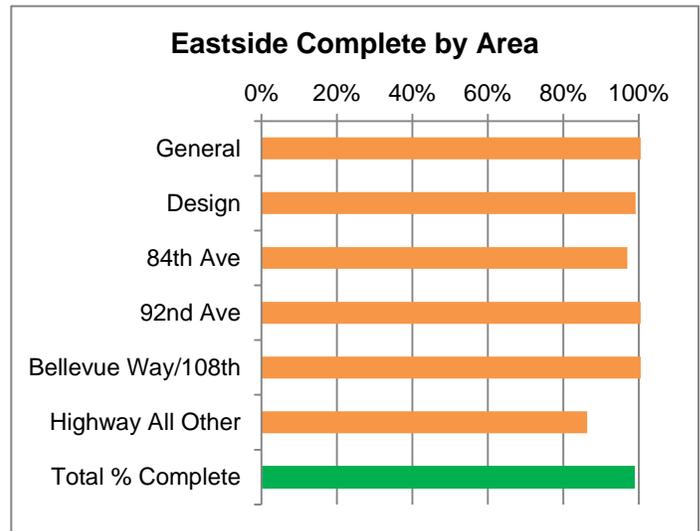
84th Avenue Northeast: Installed path lighting foundations and poles, landscape area and finished training, demonstration, and testing of underlid lighting system.

92nd Avenue Northeast: Applied paint coating to the paved kiss-and-ride area, installed safety fence, repaired curb and finished installing the ITS system.

Bellevue Way: Cleaned out existing drainage structures, worked on city of Bellevue punch-list items, pig sealed walls, grouted drainage structures and finished signal testing and acceptance.

108th Avenue Northeast and Northup Way: Installed right of way fence and landscaping, completed city of Bellevue punch-list items and finished signal testing and acceptance.

Project wide: Installed permanent signs and pavement markings, completed fiber optic testing and acceptance.



RISK

- Achieving contract milestones, closing the 3Ds and punch-list items



Raising luminaries: SR 520 median on the Eastside

MARCH COSTS

Preliminary engineering is complete. The right of way budget is 98 percent complete. The total actual cost to date from the contractor is 98 percent of the budget.

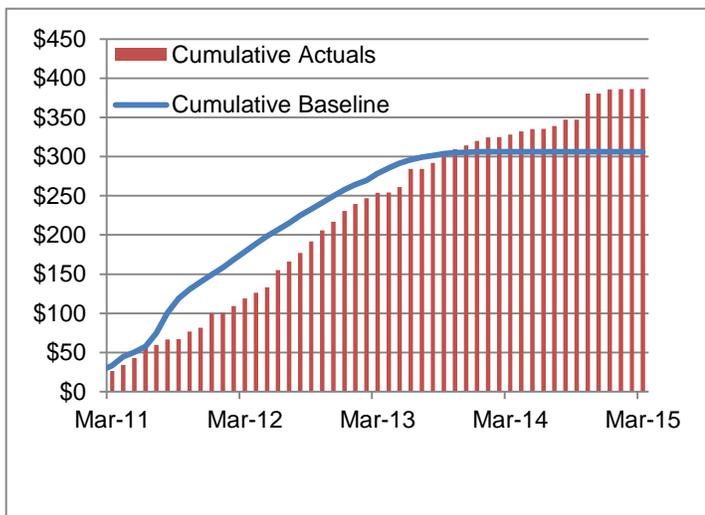
	Current Budget	Actuals to Date	Remaining Budget
Eastside Construction Project Totals	\$456,974,814	\$447,854,122	\$9,120,692
Preliminary Engineering	\$31,694,510	\$31,694,510	\$0
Right of Way	\$31,784,933	\$28,382,424	\$3,402,509
Construction	\$393,495,371	\$387,777,188	\$5,718,183.12
Current Contract Value	\$363,648,492	\$360,749,326	\$2,899,166
Agreements	\$13,666,266	\$11,478,738	\$2,187,529
Construction Engineering	\$13,721,901	\$13,102,804	\$619,096
State Force Work	\$422,626	\$415,734	\$6,892
State Materials	\$0	\$0	\$0
Vendor Supplied Materials	\$2,036,087	\$2,030,587	\$5,500

Cost information through March 31, 2015

MARCH CHANGE ORDER SUMMARY

There were no change orders reported in March. The Eastside project's executed change orders total \$57,358,392 at the time of this report.

MARCH PERFORMANCE



Bicycle and pedestrian path near Bellevue Way

Cumulative actuals are consistently higher than the baseline. Contractor is targeting May 2015 for substantial completion.

SUMMARY SCHEDULE

The forecasted completion date is part of the ongoing discussions between WSDOT and Eastside Corridor Constructors.

Milestone	Contract Date	Actual/Trend
Notice to Proceed	12/1/2010	12/1/2010
East Approach & Maintenance Facility Area Work Completion	3/30/2012	3/30/2012
Evergreen Point Area Phase I Work Completion	7/28/2013	7/28/2014
Evergreen Point Area Phase II Work Completion	10/31/2014	Late
Construction Substantial Completion	12/31/2014	Late
Construction Physical Completion	5/30/2015	On Schedule

MARCH QUALITY SUMMARY

“**Audits – Actual**” are audits performed by WSDOT Quality Verification staff on the design-builder’s compliance with contract requirements.

“**Nonconformance Reports**” are incidents recorded by the design-builder’s quality inspection staff that do not appear to be constructed in accordance with the approved drawings and specifications.

“**Nonconformance Issues**” are incidents recorded by WSDOT’s Quality Verification staff due to an audit finding based on their observance of the work.

	Previous Total	Current Period	Project Total	Open	Closed
Audits - Actual	3026	0	3026	41	2985

	Previous Total	Open	Current Period	Avg. Time Open
Nonconformance Reports (NCR)	588	12	0	282 days
Nonconformance Issues (NCI)	311	2	2	337 days

MARCH SAFETY SUMMARY

“**Recordable Incidents**” are job-related safety incidents that have been recorded.

“**Lost Time Incidents**” are job-related safety incidents that result in personnel not being able to work.

“**Contract Days without an Incident**” are the number of days since a lost-time incident has occurred.

Design-Builder	Previous Total	Current Period	Project Total
Recordable Incidents	13	0	13
Lost Time Incidents	0	0	0
Contract Days without an Incident	195	31	226

No safety incidents occurred in March 2015.

MARCH ENVIRONMENTAL SUMMARY

“**Noncompliance Event (ECAP)**” is an action not in compliance with environmental standards, permits or laws.

“**Minor Environmental Event**” is an environmental impact that does not meet the requirements to become an ECAP.

	Previous Total	Current Period	Project Total
Noncompliance Event (ECAP)	74	0	74
Minor Environmental Event	224	0	224

No environmental incidents were reported in March 2015.

Floating Bridge and Landings Project

FLOATING BRIDGE AND LANDINGS

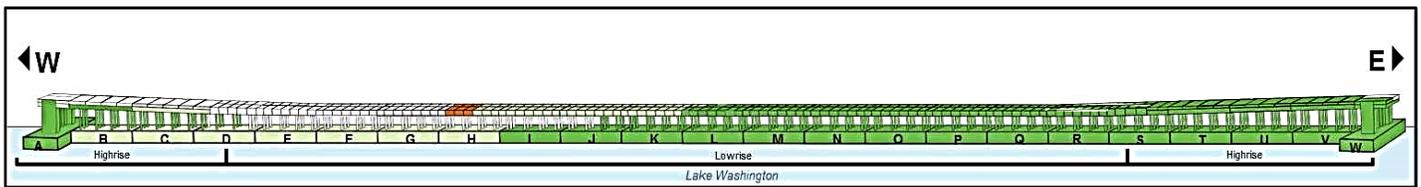
The SR 520 Floating Bridge and Landings (FB&L) Project will replace the existing, vulnerable four-lane structure with a new six-lane bridge that can withstand windstorms of up to 89 miles per hour. The new six-lane facility will include a bicycle/pedestrian path and a bridge maintenance facility on the east end. The project includes construction of 44 supplemental stability pontoons in Tacoma.



FB&L: Installing underdrain at wall 2

Original Engineers Estimate	\$640,769,000
Bid Price	\$586,561,000
Change Orders to date	\$167,370,997
Current Contract Value	\$753,931,997

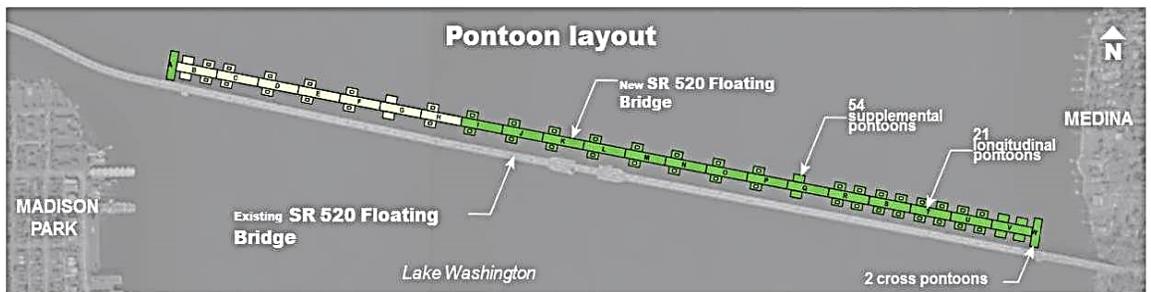
Pontoon tracking on Lake Washington, 4/2/15



GRAPHIC KEY AND FACTS

- 776 low-rise roadway deck sections
- 23 high-rise roadway deck spans
- 331 girders
- 772 columns
- 21 longitudinal pontoons + 2 cross pontoons

In Final Location
 Construction Complete
 Under Construction
 Future Construction



Low-rise roadway deck includes pre-cast deck panels being constructed in Kenmore.
 575 out of 776 pre-cast deck panels have been constructed. 394 of 776 have been placed.

High-rise roadway deck includes girders and cast-in-place deck.
 14 out of 23 cast-in-place deck spans have been constructed.
 331 out of 331 girders have been constructed. 238 of 331 have been placed.

The number of columns shown is a representation of the total number of columns.
 537 out of 772 columns have been installed.

Current number of pontoons on Lake Washington: 74
 Total number of pontoons constructed to date: 77
 Pontoons currently under construction: 0

Note: not to scale, for illustrative purposes only

MARCH ACCOMPLISHMENTS

Floating Bridge: Crews prepared and ballasted pontoons I and J for longitudinal joining.

East Approach Bridge: Crews continued construction of the westbound segmental spans.

Medina Area: Crews continued work on the maintenance facility, installing drywall, siding, plumbing, electrical conduit boxes and sprinklers at all levels.

Kenmore: Crews placed reinforcement steel, post-tensioning ducts and concrete for precast deck panels.

RISK

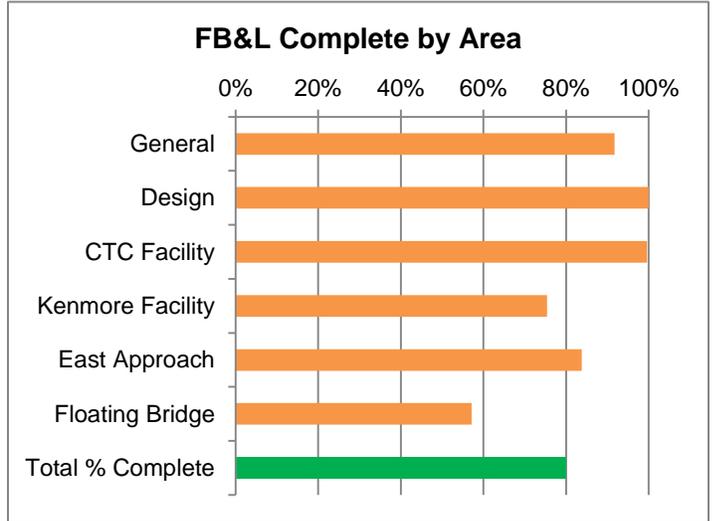
West Approach Bridge North (WABN) construction is underway with work progressing toward the FB&L work area. Coordination will continue to be a priority between contractors and WSDOT project offices.

Commissioning of the new floating bridge is a complex and potentially time-consuming process and is on the critical path to switching traffic to the new bridge. Traffic cannot be switched to the new bridge until commissioning is completed to ensure all systems are in working order and safe for public use.

There have been environmental concerns regarding project use of the Kenmore site. WSDOT is monitoring the situation. Continued use of the Kenmore site is critical to completion of the floating bridge on schedule.

Removal of the existing bridge will begin after traffic is switched to the new bridge. Good planning and execution of the removal plan is critical to ensure the removal operation does not damage or impact the new bridge.

Bolt-hole alignment will continue to be a risk to joining as pontoons are brought into the joining sequence and the alignment of the bolt-holes between pontoons is known.



The final cycle of pontoons from Grays Harbor were completed in March 2015. Until all Grays Harbor pontoons are assembled on Lake Washington there will continue to be a risk of delay or workmanship issues that may impact contractor productivity or require modifications/repairs.



FB&L: Moving precast panels at Kenmore

MARCH COSTS

Preliminary engineering is complete. The right of way budget is complete. The total actual cost to date from the contractor is 82 percent of the budget.

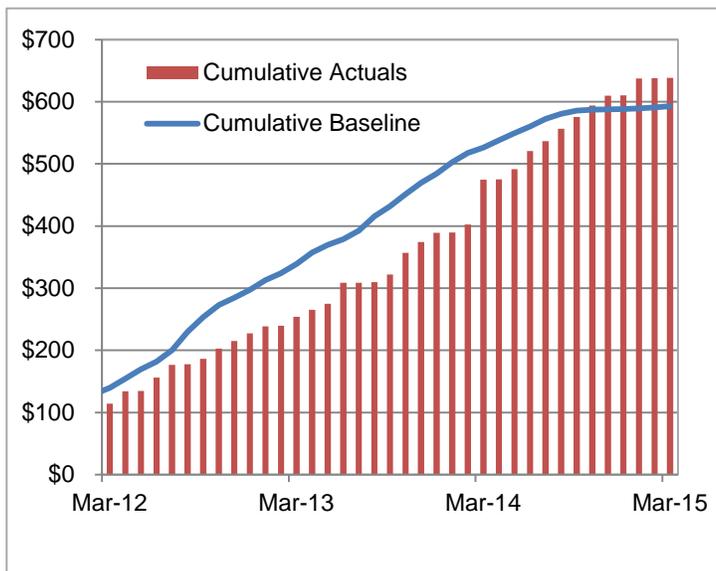
	Current Budget	Actuals to Date	Remaining Budget
Floating Bridge and Landings Construction Project Totals	\$834,178,593	\$682,348,935	\$151,829,658
Preliminary Engineering	\$10,659,063	\$10,659,063	\$0
Right of Way	\$4,426,535	\$3,758,505	\$668,030
Construction	\$819,092,995	\$667,931,367	\$151,161,628
<i>Current Contract Value</i>	\$753,931,995	\$614,013,784	\$139,918,211
<i>Agreements</i>	\$35,598,602	\$31,262,457	\$4,336,144
<i>Construction Engineering</i>	\$21,822,398	\$15,946,999	\$5,875,399
<i>State Force Work</i>	\$60,000	\$3,270	\$56,730
<i>State Materials</i>	\$0	\$0	\$0
<i>Vendor Supplied Materials</i>	\$7,680,000	\$6,704,857	\$975,143

Cost information through March 31, 2015

MARCH CHANGE ORDER SUMMARY

There was one change order executed in March for \$35,421. Change orders total \$167,370,997 for the FB&L project at the time of this report.

MARCH PERFORMANCE



The Schedule Performance Index (SPI) is at 1.05 through March 2015. Work is progressing well and contractor is on schedule.



FB&L: Pontoon D columns

SUMMARY SCHEDULE

The contractor's current schedule submittal is showing on-time substantial completion by April 28, 2016, consistent with the revised contract date.

Milestone	Revised Contract Date	Actual/Trend
Notice to Proceed 1 - Design Initiated	9/1/2011	9/1/2011
Notice to Proceed 2 - Site Construction Start	9/1/2011	9/1/2011
Pier 36 Construction	11/15/13	8/23/2013
Substantial Completion	4/28/2016	On Time
Physical Completion	2/22/2017	Early

MARCH QUALITY SUMMARY

“**Audits – Actual**” are audits performed by WSDOT Quality Verification staff on the design-builder’s compliance with contract requirements.

“**Nonconformance Reports**” are incidents recorded by the design-builder’s quality inspection staff that do not appear to be constructed in accordance with the approved drawings and specifications.

“**Nonconformance Issues**” are incidents recorded by WSDOT’s Quality Verification staff due to an audit finding based on their observance of the work.

	Previous Total	Current Period	Project Total	Open	Closed
Audits - Actual	3065	99	3164	34	3130

	Previous Total	Open	Current Period	Avg. Time Open
Nonconformance Reports (NCR)	322	72	1	310 days
Nonconformance Issues (NCI)	780	42	25	101 days

MARCH SAFETY SUMMARY

“**Recordable Incidents**” are job-related safety incidents that have been recorded.

“**Lost Time Incidents**” are job-related safety incidents that result in personnel not being able to work.

Design-Builder	Previous Total	Current Period	Project Total
Recordable Incidents	33	1	34
Lost Time Incidents	3	0	3
Contract Days without an Incident	80	15	15

On 3/12/2015, a Recordable Incident occurred in Medina. A KGM worker on the East Approach Bridge was fatally injured after falling from beneath the form traveler on the east high-rise. The project was shut down Friday March 13 and an all-staff meeting was held on Monday. L&I is conducting an investigation.

MARCH ENVIRONMENTAL SUMMARY

“**Noncompliance Event (ECAP)**” is an action not in compliance with environmental standards, permits or laws.

“**Minor Environmental Event**” is an environmental impact that does not meet the requirements to become an ECAP.

	Previous Total	Current Period	Total
Noncompliance Event (ECAP)	46	1	47
Minor Environmental Event	41	1	42

On 3/18/15 a Minor Environmental Event was identified. At the upland area of Medina a hydraulic hose failed on a rented piece of equipment. Approximately one gallon of hydraulic fluid sprayed onto the pavement. None of it entered waters of the state. Mike Lisitza, the WSDOT liaison for the Services, has left. In the interim, any projects requiring review from the Services will take much longer. At the beginning of the year WSDOT notified KGM that Lisitza would be departing in March and the review process will take significantly longer after he leaves.

On 3/24/15 a Noncompliance Event was identified. Some residual antifreeze on the outside of an empty antifreeze container washed off into the lake during a rain storm. It created a faint sheen approximately 4 feet by 15 feet in area. All of the antifreeze was cleaned up and recovered, and the resource agencies were notified.

West Approach Bridge North Project

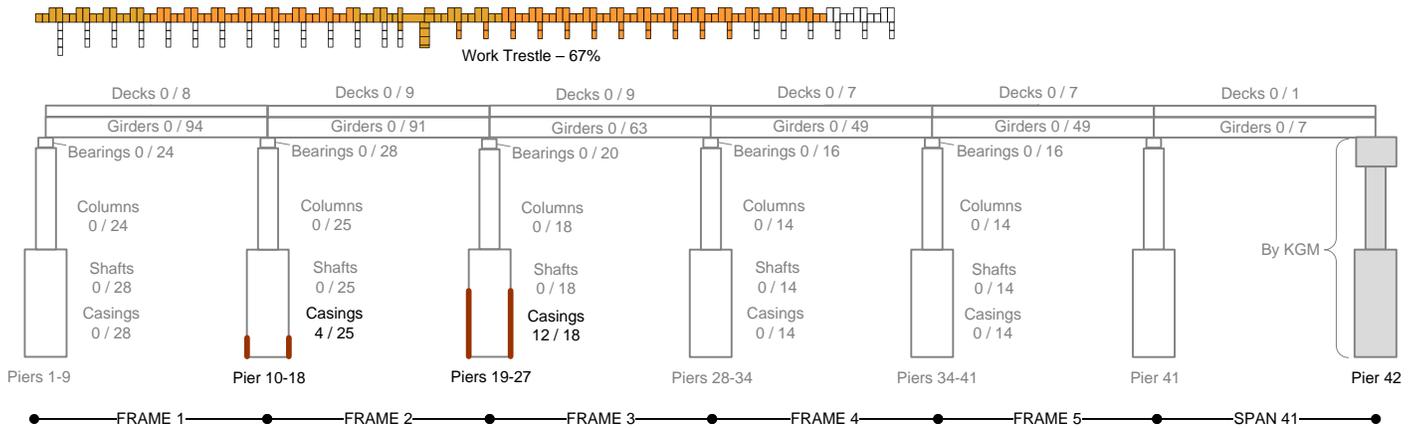
CONSTRUCTION OVERVIEW

The West Approach Bridge North Project (WABN), the first stage of western landings for the new SR 520 floating bridge, continues WSDOT's commitment to replace vulnerable structures and improve mobility for motorists. The new approach bridge, more than 6,000 feet long, will support a six-lane highway corridor and a regional shared-use path for bicyclists and pedestrians between the new floating bridge and Montlake. The WABN project will also greatly benefit the local built and natural environment by improving stormwater treatment, employing noise reduction measures, mitigating for wetland and aquatic impacts, and improving the Arboretum and local parks.



Casing installation for the West Approach Bridge North

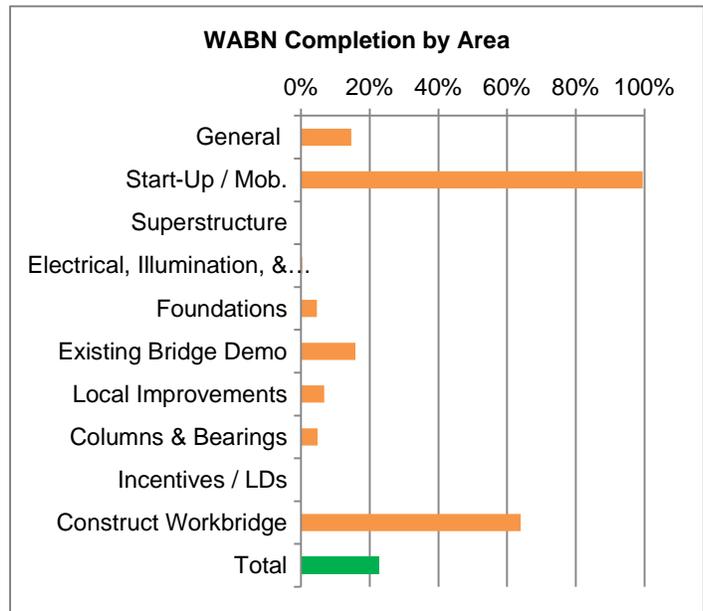
Original Engineers Estimate	\$209,905,587
Bid Price	\$199,537,371
Change Orders to date	(\$28,569)
Current Contract Value	\$199,508,802



West Approach Bridge North progress tracker as of March 27, 2015

MARCH ACCOMPLISHMENTS

Through March 28, the contractor has built 112 work-trestle spans along the mainline and work-trestle fingers at piers 18-27. Also, the contractor has installed 16 bridge casings. In March, the contractor continued local street improvements near Montlake Boulevard, and continued work on the Union Bay Bridge widening by installing piles at five pier locations.



RISK

- Environmental noncompliance events
- Seismic isolation bearing procurement
- Contractor meeting DBE goal
- Union Bay Bridge widening pile installation before end of first in-water work window
- Material documentation



WABN: Pile caps for Union Bay Bridge widening

MARCH COSTS

The preliminary engineering and right of way phases are nearly complete; final costs are being recorded. There have been six payments made to the contractor through March 2015.

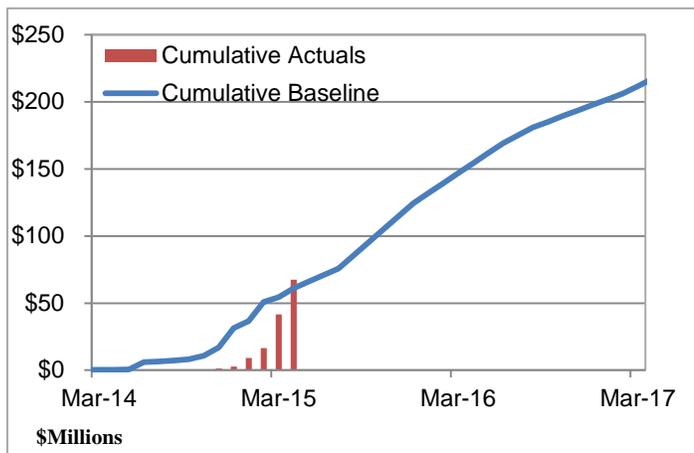
	Current Budget	Actuals to Date	Remaining Budget
West Approach Bridge North Project Totals	\$251,396,043	\$79,298,868	\$172,097,175
Preliminary Engineering	\$25,360,863	\$26,485,353	-\$1,124,490
Right of Way	\$4,730,000	\$4,211,235	\$518,765
Construction	\$221,305,180	\$48,602,280	\$172,702,900
Current Contract Value	\$199,508,802	\$43,421,826	\$156,086,976
Agreements	\$7,119,129	\$2,631,425	\$4,487,704
Construction Engineering	\$14,612,948	\$2,524,882	\$12,088,066
State Force Work	\$10,301	\$10,301	\$0
State Materials	\$0	\$0	\$0
Vendor Supplied Materials	\$54,000	\$13,846	\$40,154

Cost information through March 31, 2015

MARCH CHANGE ORDER SUMMARY

There were six change orders executed in March for **(\$38,344)**

MARCH PERFORMANCE



Cumulative actuals rose slightly above the baseline in March.



WABN: Work-trestle finger construction

SUMMARY SCHEDULE

The baseline schedule was approved in February. The first progress schedule update was received in late March, with progress updated through Feb. 28.

<i>Milestone</i>	<i>Contract Date</i>	<i>Actual/Trend</i>
First Charged Working Day	9/11/2014	9/11/2014
Begin Access East of Pier 33	9/1/2015	9/1/2015
Begin Access to Floating Bridge	9/1/2016	9/1/2016
Bridge Open to Traffic	6/20/2017	6/20/2017
End of Working Days	11/3/2017	11/3/2017

MARCH SAFETY SUMMARY

“Contract Days without an Incident” are the number of days since a lost-time incident has occurred.

	<i>Previous Total</i>	<i>Current Period</i>	<i>Project Total</i>
<i>Work-related injuries requiring first aid only</i>	3*	0	3
<i>Work-related injuries resulting in transfers or restrictions</i>	0*	1	1
<i>Work-related injuries resulting in days away from work</i>	0	0	0

On the night of 3/17/15, a pile being picked off a truck in the closed right lane of WB SR 520 swung into traffic preventing the safe passage of a King County Metro bus, which struck the pile causing the pile to swing into a sign bridge. There was significant damage to the bus and the sign bridge. A number of bus passengers sustained minor injuries and were taken to the hospital for treatment or observation. No contractor or WSDOT staff was injured in the incident. L&I is investigating this event.

MARCH ENVIRONMENTAL SUMMARY

“Noncompliance Event (ECAP)” is an action not in compliance with environmental standards, permits or laws.

“Minor Environmental Event” is an environmental impact that does not meet the requirements to become an ECAP.

	<i>Previous Total</i>	<i>Current Period</i>	<i>Project Total</i>
Noncompliance Event (ECAP)	28	6	34
Minor Environmental Event	0	0	0

There were six environmental noncompliance events in March.

- On 3/13/15, a Noncompliance Event was identified. Back-up alarms for night work did not meet the requirements of the temporary noise variance.
- On 3/17/15, a Noncompliance Event was identified. Two temporary power poles were placed in staging areas without an archaeological monitor present.
- On 3/19/15, a Noncompliance Event was identified. The HVF and HVS were breached while installing a temporary sewer through a portion of wetland and its buffer.
- On 3/19/15, a Noncompliance Event was identified. There was no TESC best management practices used prior to starting temporary sewer work.
- On 3/23/15, a Noncompliance Event was identified. Two to three quarts of diesel spilled into Lake Washington while operating diesel hammer at the SR 520 widening area.
- On 3/25/15, a Noncompliance Event was identified. Excavation occurred at the MOHAI-area access ramp without an archaeological monitor present.

DBE/Apprenticeship/Training

DISADVANTAGE BUSINESS ENTERPRISE (DBE) PROGRAM *Information as of March 31, 2015*

In 1982 the U.S. Congress established the Disadvantage Business Enterprise (DBE) program to ensure nondiscrimination in the award and administration of USDOT-assisted contracts; help remove barriers to the participation of DBEs in USDOT-assisted contracts; and assist the development of firms that can compete successfully in the marketplace outside of the DBE program. The table below is paid-to-date amounts as reported by SR 520 contractors through their quarterly reports for DBE participation amounts credited.

CONTRACT	CONTRACT REQUIRED DBE PERCENTAGE	TOTAL DBE PAID TO DATE 3/1/2015	TOTAL CONTRACT PAID TO DATE 3/1/2015	CURRENT DBE %
Contract 7826 (Pontoon)	6% (\$22,039,800)	\$26,559,379	\$436,336,835	7%
Contract 7963 (Eastside)	11% (\$33,690,580)	\$45,471,366	\$359,483,132	15%
Contract 8066 (FB&L)	7% (\$41,059,270)	\$24,152,691	\$558,405,694	4%
Contract 8288 (Evans Creek)	0% - not required	\$0	\$2,788,931	not required
Contract 8432 (WCB)	3% (\$663,877.30)	\$848,460	\$27,193,867	4%
Contract 8625 (WABN)	12% (\$23,944,485)	\$86,005	\$4,776,410	0%

APPRENTICESHIP

As required under RCW 39.04.300, WSDOT reports apprenticeship participation. Each SR 520 WSDOT contract requires 15 percent apprenticeship participation. These hours are reported by the contractor through the OEO Apprentice/Journeyman Reporting form.

CONTRACT	AS OF (3/1/2015)	APPRENTICE HOURS REPORTED	JOURNEYMAN HOURS REPORTED	APPRENTICE HOURS PERCENT
Contract 7826 (Pontoon)	2/1/2015	322,912	1,505,732	18%
Contract 7963 (Eastside)	1/1/2015	153,974	950,656	14%
Contract 8066 (FB&L)	2/1/2015	290,482	1,208,450	19%
Contract 8288 (Evans Creek)	10/1/2014	996	3,139	24%
Contract 8432 (WCB)	10/1/2014	19,867	86,009	19%
Contract 8625 (WABN)	2/1/2015	0**	0**	0%

**WABN contractor is completing their apprentice utilization plan.

TRAINING

The Federal Highway Administration's On-the-Job Training (OJT) Program requires WSDOT to establish apprenticeship and training program targeted to advance women, minorities and disadvantaged individuals into journey-level positions.

CONTRACT	CONTRACT REQUIRED TRAINING HOURS	# OF APPROVED TRAINEE HOURS 3/1/2015	# OF TRAINEE HOURS ACHIEVED
Contract 7826 (Pontoon)	50,000	50,000	91,883
Contract 7963 (Eastside)	58,500	37,574	26,189
Contract 8066 (FB&L)	74,600	74,600	87,884
Contract 8288 (Evans Creek)	0 – not required	0	0
Contract 8432 (WCB)	1,200	1,200	1,200
Contract 8625 (WABN)	15,000	15,000	0

Right of Way

RIGHT OF WAY

WSDOT Real Estate Services performs and coordinates all real estate transactions for the SR 520 Program for activities covered by the Uniform Relocation Assistance and Real Property Acquisition Policies Act.

Area	Total Parcels	Fee Acquisition	Permanent Easements	Temporary Construction Easements	Limited Access	Temporary Construction Easement Renewals
Contract 7826 (Pontoon)	4	1 / 1	2 / 2	1 / 1	0 / 0	0 / 0
Contract 7863 (Eastside)	105	18 / 18	12 / 13	27 / 28	44 / 45	1 / 1
Contract 8066 (FB&L)	7	3 / 3	1 / 1	2 / 2	0 / 1	None
Contract 8288 (Evans Creek)	4	1 / 1	None	3 / 3	None	None
Contract 8432 (WCB)	3	None	1 / 1	1 / 1	0 / 1	None
Totals	123	23 / 23	16 / 17	34 / 35	44 / 47	1 / 1

Figures show need / remaining work. Information as of March 31, 2015

Drawbridge Openings

FLOATING BRIDGE DRAWSPAN OPENINGS

On Feb. 17, newly placed pontoons obstructed the drawspan of the existing bridge, permanently blocking marine passage through the bridge opening. While openings will no longer occur for marine traffic, crews will still need to open the drawspan for monthly, late-night maintenance work. High winds may also require an opening to relieve stress on the bridge.

Total Openings since April 1, 2012

Weekday Daytime Opening	415
Weekday Nighttime Opening	34
Weekend Opening	200
Totals	649

Information as of March 31, 2015

Communications and Outreach

(Jan. 1, 2015 – Mar. 31, 2015)

Constituent Correspondence:

Public email / phone calls

- 444 received
- 338 WSDOT responses (lower response total reflects holdover of some responses to following month, and some emails requiring no response.)
- Prevalent themes:
 - ✓ WABN construction
 - ✓ Eastside construction
 - ✓ West side design report
 - ✓ Marine navigation changes
 - ✓ Traffic impacts / closures
 - ✓ Bridge design

Twitter

- 460,000 impressions (# of times people viewed SR 520 tweets)
- Approximately 210 direct responses to public requests for information
- More than 1,700 followers

SR 520 Email Updates

- Sent 9 Program updates to the 10,000+ subscribers within the SR 520 corridor
- Sent 13 WABN updates to the 1,100+ subscribers within the Seattle corridor
 - ✓ Represents more than 105,000 individual communiques
 - ✓ Newsletter topics cover notable program activities, construction milestones, traffic restrictions, neighborhood impacts, etc.

Media Outreach

- 14 news releases and media advisories
- 20 media interviews, briefings/tours

Photos / Videos

- Shot and posted 93 program photos to the SR 520 Flickr collection
- Shot and posted 4 new videos to YouTube

Stakeholder Briefings / Tours / Presentations

- 7 project-site tours for elected officials and other stakeholders
- 14 briefings with local elected officials and organizations
- 6 briefings with state and federal elected officials and organizations
- 5 meetings / presentations with community groups

Fairs and Festivals

- 2015 schedule is being finalized; 1,664 people were reached in person during 2014 fairs and festivals

Communications Materials

- More than 39 new or updated communications products: program folios, fact sheets, presentations, fliers, display boards, graphics (print and Web), direct mail, etc.

SR 520 Website Visits

- 114,342 views this period
- Most-visited pages, in order, were: Floating Bridge & Landings; Highway Closures; home page; and West Approach Bridge North



The Aberdeen High School marching band performs during a March 9 community celebration at WSDOT's Aberdeen casting basin. The event marked the completion of pontoon construction for the new SR 520 floating bridge.

Jobs

CONSTRUCTION UPDATE – MARCH 2015

Project	Total Jobs
Eastside Transit and HOV Project:	131
Floating Bridge and Landings Project:	512
Pontoon Construction Project:	95
West Approach Bridge North:	65

Jobs information includes current skilled construction trade counts for carpenters, concrete workers, crane operators, electricians, iron workers, laborers, machine operators, painters, truck drivers and welders based on project information provided by WSDOT contractors for March 31, 2015.

GLOSSARY OF FREQUENTLY USED PROJECT AND INDUSTRY ACRONYMS

ATM	Active Traffic Management
CCMP	Community Construction Management Plan
CIP	Cast-in-Place
CTC	Concrete Technology Corporation (SSP production site)
D-B	Design-Builder
DBIC	Design-Builder Initiated Change
Eastside	Eastside Transit and HOV Project
ECAP	Environmental Compliance Assurance Procedure
ECC	Eastside Corridor Constructors (Eastside Design-Builder)
ESA	Endangered Species Act
FB&L	Floating Bridge & Landings
FONSI	Finding of No Significant Impact
GH	Grays Harbor (Pontoon construction site)
HQ	WSDOT Headquarters
ITS	Intelligent Transportation System
K-G	Kiewit General, A Joint Venture (PCP Design-Builder)
KGM	Kiewit General Manson, A Joint Venture (FB&L Design-Builder)
M-A	Mowat American, A Joint Venture (WCB Contractor)
NCI	Non-Conformance Incident
NCR	Non-Conformance Report
NEPA	National Environmental Policy Act
NTP	Notice to Proceed
NWR	WSDOT Northwest Region
PCI	Potential Change Issue
PCO	Potential Change Order
PCP	Pontoon Construction Project
PT	Post-Tensioning
QA	Quality Assurance
QC	Quality Control
RFI	Request for Information
RFP	Request for Proposal
ROD	Record of Decision
SPI	Schedule Performance Index is a performance index which equals
SSP	Supplemental Stability Pontoon
TCE	Temporary Construction Easement
TIFIA	Transportation Infrastructure Finance and Innovation Act
WABN	West Approach Bridge North
WCB	West Connection Bridge
WSDOT	Washington State Department of Transportation

For more information

Visit: www.wsdot.wa.gov/projects/SR520Bridge
E-mail: SR520Bridge@wsdot.wa.gov
Call: 1-888-520-NEWS (6397)
Mail: Washington State Department of Transportation
SR 520 Bridge Replacement and HOV Program
999 3rd Avenue, Suite 2200
Seattle, WA 98104

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