



# SR 520 Bridge Replacement and HOV Program

## I-5 to Medina: Stage 1 Evergreen Point Floating Bridge and Landings

### Weekly Report

Construction Manager: Dave Becher  
 Design Manager: George Fies  
 Business Manager: Julia Mizuhata  
 Design-Builder: Kiewit/General/Manson (KGM)

Week Ending: November 23, 2012  
 Project: 8066/U52004B  
 Current Contract: \$599.7m  
 Project Cost to Date: \$178.8m

DB Contract Amounts

### SUMMARY NARRATIVE

#### This Week

- Set Fluke Anchors ON and NN - Lake Washington
- Grouted joints for pontoon USE and UNE - Lake Washington
- Poured three columns on Pontoon W, eight total poured to date. - Lake Washington
- Installed sheet piles and dewatering wells for Pier 1 East Approach - Lake Washington
- Continued installing false work for Pier Table at Pier 2 South Column - Medina
- Continued construction on Tie back and Soldier pile walls 5,6 & 7 - Medina
- Installed rebar and wall forms for 3rd stem wall section at Pier 3 Abutment - Medina
- Set rebar and poured Fluke Anchors 35 and 36, continued construction of Precast Facility - Kenmore
- Completed wall 2 concrete pours on pontoons TSE and TNE - CTC
- Continued soffit formwork installation, dry finishing, wall formwork removal on pontoons TNW and UNW - CTC
- Placement of rebar in soffit and rib beams in pontoons TSW and USW - CTC
- Petrisor Property, RES Office and AG negotiating rental terms thru June 2013, Purchase payment expected by end of November, 2012
- Received Payment Application for October 2012, \$11.9m
- Quality - This week there were 10 audits performed with 5 NCIs and 2 NCR. Totals to date: 415 Audits, 166 NCIs and 74 NCRs  
 Currently there are 45 open NCIs and 36 open NCRs.

### INTER-AGENCY / PUBLIC OUTREACH / COMMUNICATION

- Continued coordinating with multiple agencies about Kenmore construction activities and inquiries
- Responded to constituent inquiries regarding bridge design and drawspan openings
- Coordinated review of current sustainability materials; developed plan for new web page and materials updates
- Responded to media inquiry regarding Kenmore construction site.
- Revised draft project construction update newsletter; coordinated with printer and mail house (planned for late Nov. distribution).

### ENVIRONMENTAL

	Previous Total	Current Week	Project Total
Non-Compliance Event	12	0	12
Minor Environmental Event	16	0	16

- 11/14 – KGM submitted the Derelict Fishing Gear Removal Plan. The survey will be occurring during the week of 12/3-12/7.
- 11/ 19 – Approximately 2.0" of rain was recorded in the Seattle area over a 24-hr period. This was a new record.
- 11/19 - Greg Stegman from Ecology made an unannounced site visit to Medina as part of a NPDES review. No issues were identified.
- 11/19 – Two trees uprooted at Medina next to the Browns property. Trees removed 11/20, KGM/WSDOT meeting the City of Medina
- 11/20 – A live cormorant was trapped in the Pontoon UNE drainage well. WSDOT notified WDFW, bird was captured and released 11/20.

### RISKS

Top 5 Risks	Likelihood of Impact	Risk Allocation*	Potential Schedule Impact
1 Construction Delay in KG Contract impact 2nd Pontoon Delivery cycle	Certain	\$22.3M (Costs and Schedule)	3 to 5 months
2 Construction Delay in KG Contract impact 1st Pontoon Delivery cycle	Certain	\$15.6M (Costs and Schedule)	2 month
3 Risk that there are issues with Pontoons after they are accepted from Grays Harbor. Cycle One	Certain	\$10.0M (Costs)	0 months
4 Risk that there are issues with Pontoons after they are accepted from Grays Harbor. Cycles two thru six	Medium	\$10.0M (Costs)	0 months
5 Floating Bridge Urban Design and Aesthetics Issues	Certain	\$6.6M (Cost)	0 months

\* The cost values listed above are estimated from the Risk Management database, November 2012 update, and are intended for comparative ranking, actual costs may be different.

### Mitigation Activities

1	WSDOT and the Design-Builder will continue to work together to mitigate delays by re-sequencing work on Lk WA and pontoons out of CTC
2	WSDOT and the Design-Builder are working together to mitigate delays by re-sequencing work and use of alternative equipment
3	WSDOT and the Design-Builder are working together to identify issues with pontoons including leaking, cracking and joining issues. Issues are being identified and quick decisions for resolutions/repairs are being made.
4	WSDOT and the Design-Builder will continue to work together to identify issues with pontoons as they arrive on site to reduce project impact. Lessons learned from cycle one are being communicated to the Pontoon CN Project to avoid issues from being repeated
5	WSDOT and the Design-Builder have worked with the Seattle Design Commission to formalize the Urban Design of the Flt Bridge. WSDOT is currently negotiating with KGM for final amounts

**SAFETY (WSDOT / KGM)**

	Previous Total	Current Week	Project Total
OSHA Recordable Incidents	1/6	0/0	1/7
Lost Time Incidents	1/2	0/0	1/1
<b>Contract Days without an Incident</b>			<b>218/09</b>

**Safety Incidents**

- Last week, dump truck driving up East Approach access road lost traction and slid back down road. No injuries, near miss
- Pinched Arm reported last week has been reclassified as a Reportable, injury will require physical therapy.

**SCHEDULE**

Contract Milestones	Contract Dates	Baseline KGM Schedule*	KGM Forecast / Actual Finish**
Execution / NTP	September 1, 2011	September 1, 2011	September 1, 2011
Substantial Completion	July 31, 2015	December 5, 2014	September 17, 2015
Physical Completion	May 26, 2016	August 6, 2015	May 18, 2016
Final Completion	August 24, 2016	November 4, 2015	August 16, 2016

• KGM submitted DRAFT new schedule (currently in review) that shows April 15, 2013 for Grays Harbor Cycle2 pontoon delivery.

\*\*Substantial Completion shown as September 2015 as of DRAFT Oct 2012 update.\*Approved KGM Baseline for Planned Early Milestones

**FORECAST**

**Planned for Next Week**

- Set Fluke Anchors MN, LN, KN, JN and IN - Lake Washington
- Remove Pontoon W column forms - Lake Washington
- Continue installing dewatering wells at Pier 1 east approach - Lake Washington
- Continue installing false work for Pier Table at Pier 2 South Column - Medina
- Continue construction in Tie back / Soldier pile walls 5, 6 & 7 - Medina
- Continue construction on Pier 3 stem wall - Medina
- Continue construction of Precast Facility - Kenmore
- Set rebar and pour Fluke Anchors 37 and 38 - Kenmore
- Installing soffit formwork, dry finishing and removing wall formwork in pontoons TSE and TNE - CTC
- Continuation of rebar placement in soffit and rib beams in pontoons TNW and UNW- CTC
- Continuity welding and placement of top and bottom mat of rebar in pontoons TSW and USW - CTC

**Planned for Next Three Months**

- Post tensioning for pontoon joining to begin in December
- Tow pontoon T to Lake Washington and begin joining longitudinal pontoons - V/W
- Joining pontoon U and pontoon U SSPs
- Continue production of fluke anchors at Kenmore and installation and rock placement for fluke anchors on Lake Washington
- Complete anchor verification testing on Lake Washington
- East Approach Pier 1 excavation and footing, completion of Pier 2 columns, and Pier 3 stem wall
- Begin construction of precast deck panels and high rise x-beams at Kenmore
- Completion of cycle 1A pontoons and tow of cycle 1A pontoons to Lake Washington/EB1 - CTC
- Start of CTC cycle 2 pontoon construction
- Continue pontoon outfitting at EB1 and work agreement work at Grays Harbor

**CHANGE MANAGEMENT**

**Change Order Status (multiple change orders in process)**

- Continued CO discussions with KGM continue for pump wells and restriction on plastic chair usage.
- Stanton Group continues to assist Project Office in reviewing additional issues at Project team's request; anchor cables, direct costs related to Pontoons on the lake.
- On-going – Discussions for changes involving coordination points with 520 Eastside project, schedule recovery and mitigation measures due to PFS issues.

**IMAGES**



East Approach Bridge Pier 2 south pier table false work



Pontoon Top Deck Brackets being installed at CTC