Washington State Department of Transportation

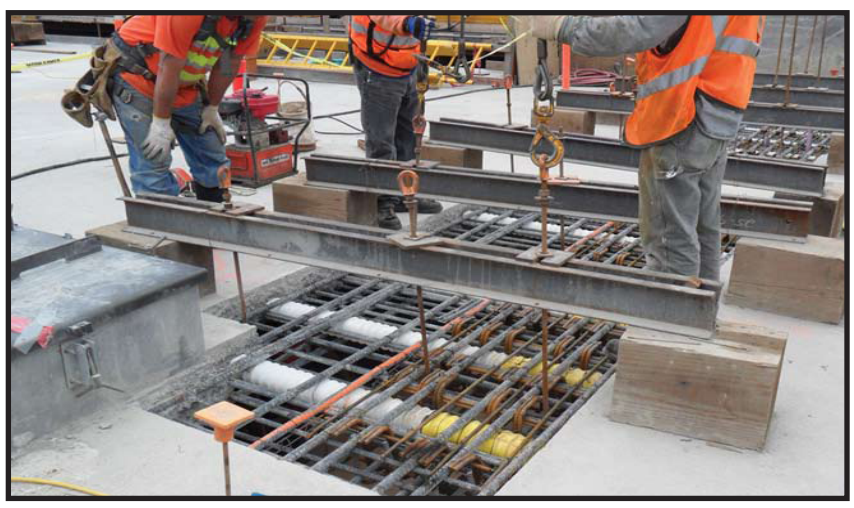
SR 520 Bridge Replacement and HOV Program

STATE ROUTE 520

Key change order summary for pontoon design and repairs

Updated 1/7/2014

COMPLETED CHANGE ORDERS

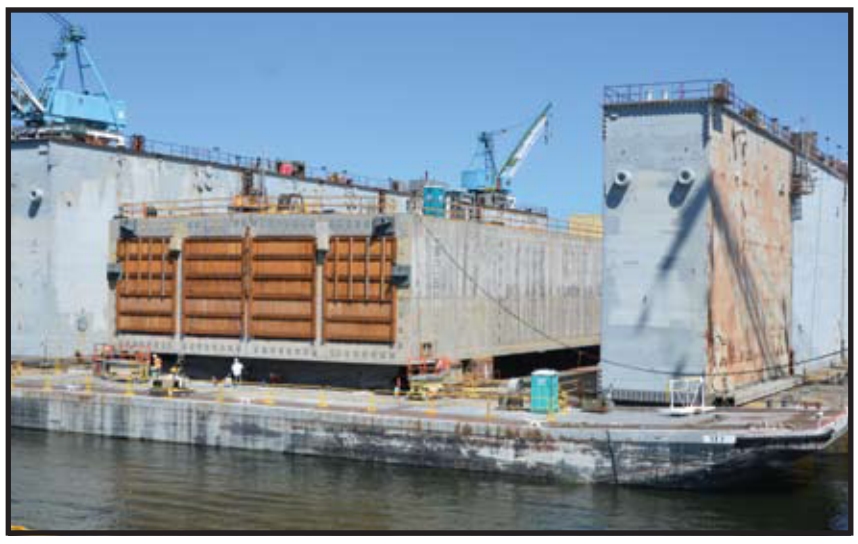


Pontoon Construction Project

Cycle 1 spalling repairs to four pontoons in Aberdeen casting basin:

- Executed April 2013
- De-tensioned Pontoon V
- Removed spalled concrete
- Modified post-tensioning profile
- Reinforced bolt beam

Change order amount: $9.9 M



Floating Bridge and Landings Project

Cycle 1 repairs to four pontoons on Lake Washington and in drydocks:

- Executed July 2013
- Leasing and towing pontoons to drydocks in Portland and Seattle
- Coffer cell construction and towing
- Epoxy injections
- Transverse post-tensioning
- Carbon-fiber wrap

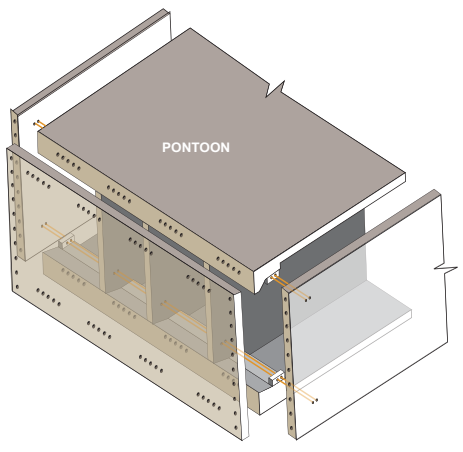
Change order amount: $48.7 M

Pontoon Construction Project

Cycle 2 modifications to four pontoons in Aberdeen casting basin:

- Executed July 2013
- Add transverse post-tensioning
- New scope, materials, and labor

Change order amount: $22.4 M



Pontoon Construction Project

Cycles 3-6 changes:

- Executed Dec. 2013
- Add transverse post-tensioning
- New scope, materials, and labor
- Adjust schedule of pontoon delivery dates

Change order amount: $37.1 M

Miscellaneous change orders

Includes various project change orders, such as underwater inspections and pontoon storage

Change order amount: $12.6 M

Sub-total: $130.7 M

PENDING CHANGE ORDER

Floating Bridge and Landings Project

Floating bridge and landings schedule change that includes new pontoon delivery dates

Change order estimate: $77.5 M

Total design error change orders: $208.2 M