

SR 520 Change order and budget update

Joint Transportation Committee meeting: Jan. 8, 2013



SR 520 Bridge Replacement and HOV Program



The new SR 520 Floating Bridge

Updated: 1/8/14



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
- Cofferdam construction and towing
- Epoxy injections
- Transverse post-tensioning
- Carbon-fiber wrap

Change order amount: \$48.7 M

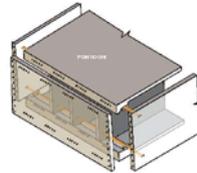


Pontoon Construction Project

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

SR 520 Program change orders and risks*

Updated 1/7/2014

	Pontoon design error change orders	Other construction change orders	Future potential risks and sales tax	Total change orders, future risks, and sales tax
Executed	\$130.7 M	\$68.2 M	N/A	\$198.9 M
Pending and potential	\$77.5 M	\$66.1 M	N/A	\$143.6 M
Future risks	N/A	N/A	\$61.6 M	\$61.6 M
Estimated additional sales tax	N/A	N/A	\$15.7 M	\$15.7 M
TOTALS	\$208.2 M	\$134.3 M	\$77.3 M	\$419.8 M

Initial risk reserve

\$250.0 M

Additional budget required

\$169.8 M

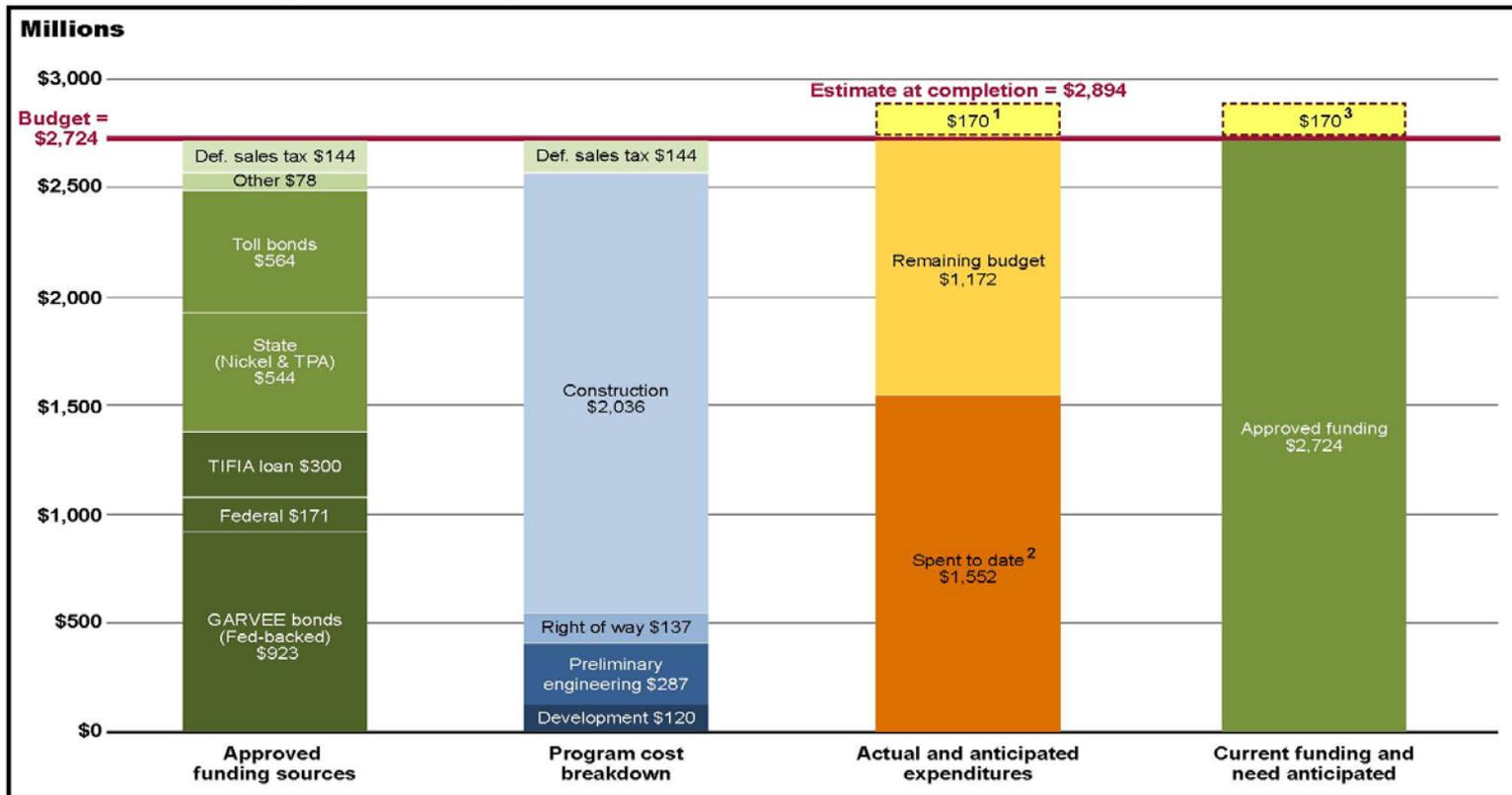
*On construction contracts for:

- Eastside Transit and HOV Project
- Pontoon Construction Project
- Floating Bridge and Landings Project

SR 520 Bridge Replacement and HOV Program

SR 520 Program Budget Status

Updated 1/7/2014



Footnotes:

1. Additional expenditures needed for pending and potential change orders and program cost and schedule risks.
2. "Spent to date" expenditures through November 30, 2013.
3. Based on preliminary work with the Office of the State Treasurer, WSDOT believes some additional funding capacity exists under the current toll structure. The amount available depends on bond market conditions, net toll revenue projections, type of bonds sold, and timing of when the funds are needed. The remaining increase could be funded from other state sources.