



TO: Board of Contracts and Awards
FROM: Kurtis D. Kingsolver, P.E., Public Works Director/City Engineer /KDK
Chris E. Larson, P.E., Engineering Division Manager, Public Works
Dan Soderlind, Project Manager, Public Works Engineering
COPY: City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator and
Chuck Blankenship, Finance/Purchasing
SUBJECT: Union Avenue Viaduct and Schuster Parkway Bridge Overlays
Request for Bids Specification No. PW14-0552F – February 23, 2016
DATE: January 27, 2016

SUMMARY:

The Public Works Department recommends approval to increase Contract No. 4600010523 with West Company, Inc., Airway Heights, WA, in the amount of \$200,000, sales tax not applicable, for improving the bridge surfaces of two elevated concrete bridge structures in Tacoma. This increase will bring the contract to a cumulative amount of \$2,123,636.63.

STRATEGIC POLICY PRIORITY:

- Assure outstanding stewardship of the natural and built environment.

This project significantly improves the public infrastructure by removing the failing wear surface of both bridge structures, and replacing them with a new bridge deck surface. This work extends the service life of both structures without significant structural repair or bridge replacement.

BACKGROUND:

ISSUE: Additional costs were incurred during the course of the project due to additional overlay thickness provided on the decks of the Schuster Parkway Bridge and Union Avenue Viaduct and approach slab replacement. This additional thickness will strengthen the decks and provide a more sustainable product. The approach slab is the section of the roadway just prior to the actual bridge structure. After grinding away the top layer of the roadway, the approach slab was found to have settled such that replacement was necessary. This work is essential because approach slabs with grades that differ from the bridge can cause trucks to bounce on the bridge and this bouncing can cause the bridge to deteriorate prematurely. Additional cost was also incurred for repair of several girders that were in the process of deteriorating. Because the contractor was mobilized on the site, it was cost effective to patch these girders at this time.

The original contract provided for new bridge deck wearing surfaces and associated pavement transitions at the bridge abutments. The total project cost estimate including design, project management, construction management, inspection, construction, administration, and sales tax (if applicable) is \$2,559,080. The project sections are located at:

Schuster Parkway Bridge

- Crossing of Schuster Parkway over railroad, south of Old Town Tacoma.

Union Avenue Viaduct

- Crossing of Union Avenue over railroad and South Tacoma Way.

ALTERNATIVES: Not repairing the approach slab in a sustainable manner would require future closure of the Schuster Parkway Bridge and Union Avenue Viaduct for further repair. Another alternative is to



grout the space under the approach slab; however, this alternative does not address the drainage issues that full replacement provides. By fully replacing the approach slab the drains could be accessed and cleared of debris.

COMPETITIVE SOLICITATION: Request for bids Specification No. PW14-0552F was opened February 24, 2015. Five submittals were received. The table below reflects the amount of the total award.

<u>Respondent</u>	<u>Location</u>	<u>Submittal Amount</u>
West Company, Inc.	Airway Heights, WA	\$1,672,727.50
James W. Fowler Co.	Dallas, OR	\$1,731,304.00
M. J. Hughes Construction, Inc.	Vancouver, WA	\$1,926,633.00
Conway Construction Company	Ridgefield, WA	\$1,952,970.00
Quigg Bros., Inc.	Aberdeen, WA	\$2,865,178.00

Pre-bid Estimate: \$1,604,679.75.

The original award to West Company, Inc. included a 15 percent contingency, which brought the total award to \$1,923,636.63.

CONTRACT HISTORY: This contract was originally awarded to West Company, Inc. as a result of Request for Bids Specification No. PW14-0552F, per Resolution No. 39154 dated March 31, 2015. This increase will bring the contract cumulative amount to \$2,123,636.63.

SUSTAINABILITY: This project provided an overlay on the bridge deck for two bridges. The entire project is a sustainable process in that it maintains existing infrastructure as opposed to allowing the infrastructure to deteriorate such that a new bridge would be required.

SBE/LEAP COMPLIANCE: Not applicable.

DISADVANTAGED BUSINESS ENTERPRISE (DBE): The recommended contract is in compliance with 49 Code of Federal Regulations Part 26 per memorandum from WSDOT dated December 11, 2014. The DBE goal for this project is 5 percent. The DBE participation level of the recommended contractor is 5.94 percent, per the memorandum from the City of Tacoma Community and Economic Development Department dated March 6, 2015. The designated training hours for this project are zero hours.



RECOMMENDATION:

The Public Works Department recommends approval to increase Contract No. 4600010523 with West Company, Inc., Airway Heights, WA, in the amount of \$200,000, sales tax not applicable, for improving the bridge surfaces of two elevated concrete bridge structures in Tacoma. This increase will bring the contract to a cumulative amount of \$2,123,636.63.

FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Transportation Capital Fund-1060	PWK-G0012	5600000	\$100,000
Transportation Capital Fund-1060	PWK-G0007	5600000	\$100,000
TOTAL			\$200,000

* General Fund: Include Department

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Federal Grant (BRAC)	PWK-G0012	4333240	\$100,000
Federal Grant (BRAC)	PWK-G0007	4333240	\$100,000
TOTAL			\$200,000

POTENTIAL POSITION IMPACT:

POSITION TITLE	PERMANENT/ PROJECT TEMPORARY POSITION	FTE IMPACT	POSITION END DATE
TOTAL			

This section should only be completed if a subsequent request will be made to increase or decrease the current position count.

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$200,000

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED.

Expenses are budgeted and covered.

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FINANCE PURCHASING