



**TO:** Board of Contracts and Awards  
**FROM:** Michael P. Slevin III, P.E., Director, Environmental Services  
Geoffrey M. Smyth, P.E., Division Manager, Science & Engineering  
**COPY:** City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator,  
Joe Parris, Finance/Purchasing, and Kristy Beardemphl, P.E., Project Manager  
**SUBJECT:** Stormwater and Wastewater Pipe Replacement Project, Various areas in downtown  
Tacoma, Request for Bids Specification No. ES14-0159F – June 3, 2014  
**DATE:** May 16, 2014

**SUMMARY:**

The Environmental Services Department recommends a contract be awarded to low bidder Northwest Cascade, Inc., Puyallup, WA, in the amount of \$765,708.20, plus a 15 percent contingency, for a cumulative total of \$880,564.43, excluding sales tax, budgeted from the ES Surface Water Fund 4301 and ES Wastewater Fund 4300, for the replacement of 1,505 linear feet of 8- to 15-inch diameter underground stormwater pipe and 455 linear feet of 8-inch diameter underground wastewater pipe in South 9<sup>th</sup>, South 10<sup>th</sup>, South 11<sup>th</sup>, and South 21<sup>st</sup> Streets.

**STRATEGIC POLICY PRIORITY:**

- Foster neighborhood, community, and economic development vitality and sustainability.
- Plan for and improve public infrastructure that meets the transportation needs of all Tacoma residents and visitors.

This project will replace underground stormwater and wastewater pipes that have exceeded their design life and are at risk of failure. Failure of these pipes would have negative sustainability-related impacts, including untreated wastewater entering Commencement Bay. In addition, several roadway medians will be constructed and the existing paved roads and alleys will be repaired in accordance with the City’s Right-of-Way Restoration Policy and will have positive traffic impacts.

**BACKGROUND:**

**ISSUE:** The existing stormwater systems in the vicinity of this project are approaching 100 years old and are beginning to show signs of failure. This project will replace approximately 1,505 linear feet of deteriorated stormwater pipe in South 9<sup>th</sup> Street between Grant and Cushman Avenues, South 10<sup>th</sup> Street between South I and J Streets and between South L and South M Streets, the intersection at South 11<sup>th</sup> Street and MLK Way, and in South 21<sup>st</sup> Street between G Street and Tacoma Avenue South.

This project will also construct medians as part of the Hilltop Diversitree project on South 11<sup>th</sup> Street from Sheridan Street to MLK Way. The median areas will later be planted with street trees.

The underground wastewater pipes in the vicinity of this project are over 100 years old and are at risk of failure. This project will replace approximately 455 feet of wastewater pipe in the area of South L and South 10<sup>th</sup> Streets. Replacement of these pipes will reduce the risk of failure which could result in the overflow of untreated wastewater into the Puget Sound and potentially into the basements of adjacent buildings. Preventive rehabilitation of underground pipes in the project vicinity, prior to complete failure, represents the lowest lifecycle cost solution to maintaining these assets.



**ALTERNATIVES:** Alternatives to the project include lining the existing wastewater pipes or taking no action to replace the existing wastewater pipes. These pipes are not good candidates for pipe lining because of their deteriorated condition. If the existing pipes are not replaced, then the rate and magnitude of isolated failures will increase with time. The risk of pipe failures and wastewater overflows will increase every year this project is postponed.

**COMPETITIVE SOLITICIATION:** Request for Bids Specification No. ES14-0159F was opened April 29, 2014. The project was advertised in the Tacoma Daily Index and the Seattle Daily Journal of Commerce, in addition to being listed on the City’s Purchasing website. The City received four bid proposals. Northwest Cascade, Inc. submitted the lowest responsive bid. The table below reflects the amount of the base award.

<u>Respondent</u>	<u>Location</u> <i>(city and state)</i>	<u>Submittal Amount</u> <i>(Excluding sales tax)</i>	<u>Evaluated Submittal</u> <i>(Excluding sales tax)</i>
Northwest Cascade, Inc.	Puyallup, WA	\$765,708.20	\$740,131.57
R.L. Alia Company	Renton, WA	\$838,307.10	\$800,021.69
Rodarte Construction, Inc.	Auburn, WA	\$984,173.00	\$945,887.59
NOVA Contracting, Inc.	Olympia, WA	\$1,338,318.00	\$1,324,968.02

Pre-bid Estimate: \$940,869.34, excluding sales tax.

The recommended award is approximately 18.6 percent below the pre-bid estimate.

**CONTRACT HISTORY:** New contract.

**SUSTAINABILITY:** When completed, this project will result in structurally sound stormwater and wastewater pipes. The new stormwater system will improve vehicle and pedestrian safety by improving the drainage system and removing excess rain water from the road surface more efficiently. Replacement of the wastewater pipes will reduce the risk of failure thereby reducing the potential for discharge of untreated wastewater into the Puget Sound or neighboring properties. Finally, the project will upgrade existing sidewalks and curb ramps to current ADA accessibility standards which will enhance safety for pedestrians and vehicles.

**SBE/LEAP COMPLIANCE:** The recommended contractor is in compliance with the Small Business Enterprise (SBE) Regulation general requirements per memorandum dated May 5, 2014. The SBE goal for this project is 15 percent. The SBE participation level of Northwest Cascade, Inc., the recommended contractor with the lowest evaluated bid, is 10 percent. The Local Employment and Apprenticeship Training Program (LEAP) goal is 665 hours.

**RECOMMENDATION:**

The Environmental Services Department recommends a contract be awarded to the low bidder Northwest Cascade Inc., in the amount of \$765,708.20, plus a 15 percent contingency, for a cumulative total of \$880,564.43, excluding sales tax, for the replacement of 1,505 linear feet of 8- to 15-inch diameter underground stormwater pipe and 455 linear feet of 8-inch diameter underground wastewater pipe.



**FISCAL IMPACT:**

**EXPENDITURES:**

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT**
ES Wastewater Fund 4300	ENV-04011-15	5330100	\$156,918.60
ES Surface Water Fund 4301	ENV-03009-05	5330100	\$459,431.60
ES Surface Water Fund 4301	ENV-03020-15	5330100	\$149,358.00
<b>TOTAL</b>			<b>\$765,708.20</b>

\*General Fund: Include Department

\*\*Excluding Applicable Sales Tax

**REVENUES**

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT**
ES Wastewater Fund 4300	523900	Rate Revenues	\$156,918.60
ES Surface Water Fund 4301	521900	Rate Revenues	\$459,431.60
ES Surface Water Fund 4301	521900	Rate Revenues	\$149,358.00
<b>TOTAL</b>			<b>\$765,708.20</b>

\*\*Excluding Sales Tax

**FISCAL IMPACT TO CURRENT BIENNIAL BUDGET:** \$765,708.20, excluding sales tax.

**ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED?** Yes