



TO: Board of Contracts and Awards
FROM: Michael P. Slevin III, P.E., Director, Environmental Services *For GMJ*
Geoffrey M. Smyth, P.E., Division Manager, Science & Engineering
COPY: City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator, and
Joe Parris, Finance/Purchasing, and Steve Hoffman, Project Manager
SUBJECT: Cleveland Way Pump Station Improvement Project Consultant Services Contract
Increase, Request for Qualifications Specification No. CT12-0001F, Contract
No. 4600009219 – July 7, 2015
DATE: June 19, 2015

SUMMARY:

The Environmental Services Department requests approval to increase Contract No. 4600009219 with Brown and Caldwell, Inc., Tacoma, WA, in the amount not to exceed \$123,300, sales tax not applicable, budgeted from the ES Surface Water Fund 4301, for a cumulative contract total of \$1,118,592, sales tax not applicable, for design and engineering services associated with the Cleveland Way Pump Station Improvement project.

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.

The proposed improvements to the Cleveland Way Pump Station will result in a significant increase in the current level of flood protection needed to meet the transportation needs of all Tacoma residents and visitors.

BACKGROUND:

ISSUE: The existing Cleveland Way Pump Station is located near the south end of the City of Tacoma Central Wastewater Treatment Plant and adjacent to the southwest bank of the Puyallup River. This pump station was constructed in 1959 and all internal electrical and mechanical systems are well beyond their design life and are in need of replacement. Availability of spare parts has become a significant problem resulting in increased operation and maintenance costs to the City. Increased urban development since the original construction has also caused the pump station to now be under capacity. This project will provide new equipment which is more efficient and will also increase the pumping capacity of the station by approximately 27 percent.

The increase to the consultant services contract is necessary to account for the difference between the estimated number of submittal reviews under the original contract scope of work, and the actual number generated by this project once construction began. The original scope of work assumed 50 submittal reviews during the construction management period. This original scope of work was developed prior to the start of design, thus the final technical scope of the project had not been developed at that point. The final project design resulted in additional complexities which forced the number of equipment submittals to be higher than what was assumed during the planning phase of the project. The projected number of required submittal reviews is now estimated to be approximately 100.



The increase in consultant services also includes additional professional services needed for design changes that increased the overall reliability of the pump station and reduced overall maintenance cost over the life expectancy of the new improvement. The unexpected design scope changes include: redesign of the diesel engine fuel control system, a new above ground diesel fuel tank, redesign of the diesel engine control panel, and site specific safety enhancements.

ALTERNATIVES: Two alternatives, other than an increase to the original consultant services contract, include the City choosing to not have professional services assist City staff during the remainder of this project, or the City choosing to pursue a new contract with a different engineering consultant. Due to the highly complex nature of this project, the design and technical experience needed to complete this project, staff determined that it would be in the best interest for the City to request an increase to the existing consultant services contract to assist the City with completing this project.

COMPETITIVE SOLICITATION: The City of Tacoma solicited engineering and architectural services under Request for Qualifications Specification No. CT12-0001F, dated December 5, 2011, which was used to develop the city-wide Architectural and Engineering (A&E) Roster. Seven consulting firms were selected from the A&E roster and subsequently evaluated to find the most qualified consultant for this project. This evaluation process resulted in selecting Brown and Caldwell, Inc., as the most qualified consultant.

CONTRACT HISTORY: The original contract with Brown and Caldwell, Inc., in the amount of \$995,292, was adopted under Purchase Resolution No. 38715 on August 13, 2013. The proposed amendment, in the amount of \$123,300, would bring the contract to a cumulative total of \$1,118,592 sales tax not applicable, through March of 2016.

SUSTAINABILITY: This project will increase the level of control and reliability of the pump station, reduce current operation and maintenance costs associated with maintaining outdated equipment, provide backup power supply for electric pumps to maintain full pumping capacity during power outages, and replace existing lighting with a new LED lighting system. These improvements will also bring the pump station up to current fire code regulations and reduce the overall risk of localized flooding within the contributing drainage basin.

SBE/LEAP COMPLIANCE: Not applicable.

RECOMMENDATION:

The Environmental Services Department requests approval to increase Contract No. 4600009219 with Brown and Caldwell, Inc., Tacoma, WA, in the amount not to exceed \$123,300, sales tax not applicable, budgeted from the ES Surface Water Fund 4301, for a cumulative contract total of \$1,118,592, sales tax not applicable, for design and engineering services associated with the Cleveland Way Pump Station Improvement project.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4301 ES Surface Water	ENV-03010-05-01	5310100	\$123,300
TOTAL			123,300

* General Fund: Include Department

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4301 ES Surface Water	521900	Rate Revenues	\$123,300
TOTAL			\$123,300

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$123,300

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes