



**TO:** Board of Contracts and Awards  
**FROM:** Michael P. Slevin III, P.E., Director, Environmental Services *File AMS*  
John Burk, P.E., Division Manager, Science & Engineering  
**COPY:** City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator, Eric Johnson, P.E., Assistant Division Manager, Jody Bratton, P.E., Project Manager, and Samol Hefley, Senior Buyer, Finance/Purchasing  
**SUBJECT:** Wastewater and Surface Water Collection System Engineering Design Services (Parametrix), Citywide Architectural and Engineering (AE) Roster – July 2, 2019  
**DATE:** June 12, 2019

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**RECOMMENDATION SUMMARY:**

The Environmental Services Department recommends a contract be awarded to Parametrix, Puyallup, WA, in an amount not to exceed \$998,940.00, plus any applicable taxes, budgeted from the ES Wastewater Fund 4300 and ES Surface Water Fund 4301, for engineering design services associated with wastewater and surface water underground collection system capital improvements, for an initial term effective through December 31, 2021, with the option to renew for one additional one-year period.

**STRATEGIC POLICY PRIORITY:**

- Assure outstanding stewardship of the natural and built environment.

The proposed professional services contract is associated with capital infrastructure improvements to underground wastewater and surface water collection pipes that have exceeded their design life and are at risk of failure. A reduced risk of untreated wastewater overflowing into local waterways, due to failed pipes, represents an improvement to human health and the environment.

**BACKGROUND:**

**ISSUE:** Throughout Tacoma, some underground wastewater and surface water pipes are more than 100 years old and at risk of failure. Replacement of these pipes will reduce the risk of future failures. Pipe failures can result in overflow of untreated wastewater into the Puget Sound or increased flooding of right-of-way or private property. This contract will provide engineering design services to assist the City in its development of plans and specification for multiple wastewater and surface water collection system capital improvement projects for construction in 2020 and 2021. The scope of work will include the engineering design for approximately 14,000 feet of underground pipe replacement design. The technical design services provided by this contract will supplement the City's in-house engineering staff.

Four projects will be issued to Parametrix in the course of this contract. One of the known projects is the Upper Buckley Water Quality Project, which includes the replacement of approximately 2,000 linear feet of aging 36-inch diameter stormwater pipe and constructing a stormwater pre-treatment facility to provide basic treatment and phosphorus removal for approximately 350 acres of existing urban development.



The remaining three defined projects will be developed in priority order from the current or future updated Capital Improvement Plan.

Preventative maintenance, via complete pipe replacement, of the most severely degraded underground pipes represents the lowest life cycle cost solution to maintaining these assets.

ALTERNATIVES: One alternative is taking no action and accepting the risk of pipe failures which can result in untreated wastewater overflowing into the Puget Sound or stormwater flooding. If these pipes are not addressed, these failure risks will only continue to increase over time.

**COMPETITIVE SOLICITATION:** Parametrix was selected using the Architectural and Engineering (A&E) Roster. Five 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 the determination that Parametrix and KPG, P.S. are equally the most qualified to perform the proposed work; therefore, contracts are being recommended for both consulting firms. Separate City Council Action Memorandums have been executed for each individual contract.

<u>Respondent</u>	<u>Location (city and state)</u>	<u>Rank</u>
Parametrix	Puyallup, WA	1
KPG, P.S.	Tacoma, WA	1
CH2M (Jacobs Engineering).	Bellevue, WA	2
Carollo Engineers, Washington, P.C.	Seattle, WA	3
Kennedy Jenks Engineers.	Federal Way, WA	4

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Replacement of these pipes will reduce the risk of failure thereby reducing the potential for discharge of untreated wastewater into the Puget Sound or stormwater flooding; resulting in positive environmental impacts.

SBE/LEAP COMPLIANCE: Not applicable.



**FISCAL IMPACT:**

**EXPENDITURES:**

FUND NUMBER & FUND NAME	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Surface Water Fund - 4301	529700	5600000	\$499,470.00
ES Wastewater Fund - 4300	524700	5600000	\$499,470.00
<b>TOTAL</b>			<b>\$998,940.00</b>

**REVENUES:**

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Surface Water Fund - 4301	521900	Rate Revenues	\$499,470.00
ES Wastewater Fund - 4300	523900	Rate Revenues	\$499,470.00
<b>TOTAL</b>			<b>\$998,940.00</b>

**FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$ 665,294**

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

**IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. N/A**