



**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, Eric Johnson, P.E., Project Manager, and Jessica Tonka, Finance/Purchasing  
**SUBJECT:** Wastewater and Surface Water Collection System Engineering Design Services (KPF) – Request for Qualification Specification No. CT12-0001F – October 31, 2017  
**DATE:** October 13, 2017

**SUMMARY:**

The Environmental Services Department recommends a contract be awarded to KPF Inc., Tacoma, WA, in the amount not to exceed \$375,684, budgeted from the ES Wastewater and Surface Water Funds, for engineering design services associated with wastewater and surface water underground collection system capital improvements, through December 31, 2019.

**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. Rehabilitation of these pipes will reduce the risk of future failures. Pipe failures can result in overflow of untreated wastewater into 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 2018 and 2019. The scope of work will include the engineering design for approximately 11,000 feet of underground pipe rehabilitation design. The technical design services provided by this contract will supplement the City’s in-house engineering staff.

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 Puget Sound or storm water flooding. If these pipes are not addressed, these failure risks will continue to increase over time.



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 citywide Architectural and Engineering (A&E) Roster. Six 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 KPG, P.S. and KPFF, Inc. 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>
KPG, P.S.	Tacoma, WA	1
<b>KPFF, Inc.</b>	Tacoma, WA	1
RH2 Engineering, Inc.	Tacoma, WA	2
Carollo Engineers, Washington, P.C.	Seattle, WA	3
AHBL, Inc.	Tacoma, WA	4
David Evans & Associates, Inc.	Tacoma, WA	5

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 storm water flooding; resulting in positive environmental impacts.

SBE/LEAP COMPLIANCE: Not applicable.

**RECOMMENDATION:**

The Environmental Services Department recommends a contract be awarded to KPFF, Inc., Tacoma, WA, in the amount not to exceed \$375,684, budgeted from the ES Wastewater and Surface Water Funds, for engineering design services associated with wastewater and surface water underground collection system capital improvements through December 31, 2019.

**FISCAL IMPACT:**

**EXPENDITURES:**

FUND NUMBER & FUND NAME	COST OBJECT (CC/WBS/ORDER )	COST ELEMENT	TOTAL AMOUNT
ES Surface Water Utility Fund - 4301	529700	5600000	\$75,137
ES Wastewater Utility Fund - 4300	524700	5600000	\$300,547
<b>TOTAL</b>			<b>\$375,684</b>



**REVENUES:**

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Surface Water Utility Fund – 4301	521900	Rate Revenues	\$75,137
ES Wastewater Utility Fund - 4300	523900	Rate Revenues	\$300,547
<b>TOTAL</b>			<b>\$375,684</b>

**POTENTIAL POSITION IMPACT:**

POSITION TITLE	PERMANENT/ PROJECT TEMPORARY POSITION	FTE IMPACT	POSITION END DATE
N/A			
<b>TOTAL</b>			

**FISCAL IMPACT TO CURRENT BIENNIAL BUDGET:** Not to exceed \$375,684

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