



TO: Board of Contracts and Awards
FROM: Michael P. Slevin III, P.E., Director, Environmental Services *MS*
 Geoffrey M. Smyth, P.E., Division Manager, Science and Engineering
COPY: City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator,
 Joe Parris, Finance/Purchasing, and Rod Rossi, Project Manager
SUBJECT: Wastewater Trunk Line Condition Assessment, Request for Proposals Specification
 No. ES14-0026F – May 6, 2014
DATE: April 21, 2014

SUMMARY:

The Environmental Services Department recommends a contract be awarded to Ace Pipe Cleaning, Inc., Kansas City, MO, in the amount of \$547,945.21, plus applicable sales tax, budgeted from the ES Wastewater Fund 4300, to inspect approximately 86,000 linear feet of 18-inch through 72-inch diameter wastewater sewer pipes using a combination of Closed Circuit Television, Laser Profiling, and Sonar Profiling for the Wastewater Trunk Line Condition Assessment.

STRATEGIC POLICY PRIORITY:

- Foster neighborhood, community, and economic development vitality and sustainability.

This project will allow the Wastewater Utility to determine the interior condition of many large diameter underground wastewater sewer pipes and plan for their systematic replacement or rehabilitation as needed. This will help avoid pipe failures which, if they were to occur, could result in environmental impacts to Commencement Bay and the Puget Sound.

BACKGROUND:

ISSUE: The wastewater sewer pipes inspected under this contract are anticipated to be at or near the end of their design life within the coming years. Many of these large diameter wastewater pipes are 100 years old and located in areas with limited access and, therefore, have never been inspected before the technology was available to complete this work. As part of the City’s Asset Management Program, it is necessary to inspect these wastewater pipes to verify if they are truly in need of rehabilitation or replacement before failures occur. If failures of these lines occur, the result will be the overflow of untreated wastewater into the waters of Commencement Bay and the Puget Sound.

ALTERNATIVES: The Environmental Services Department considered using only traditional closed circuit television (CCTV) inspections, however, with new technology and the department’s focus on Asset Management, it was determined that incorporating laser and sonar into the CCTV inspections would significantly increase the ability to determine the remaining pipe life via laser and sonar measurements of the existing pipe wall thicknesses. This additional information will allow the department to better determine which pipe segments require maintenance, rehabilitation or replacement.

COMPETITIVE SOLICITATION: Request for Proposals Specification No. ES14-0026F was opened February 11, 2014. Five companies were invited to bid in addition to normal advertising of the project. Three submittals were received.

<u>Respondent</u>	<u>Location (city and state)</u>	<u>Rank or Score</u>
Ace Pipe Cleaning, Inc.	Kansas City, MO	1
Redzone Robotics, Inc.	Pittsburgh, PA.	2
Hibbard Inshore, LLC.	Auburn Hills, MI	3



Pre-proposal budget: \$600,000.00

The recommended award will utilize up to the maximum project budget of \$600,000, including sales tax.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: This project will help in the determination of which large diameter wastewater sewer pipes are in most need of rehabilitation and replacement. This will allow for improved proactive replacement, rehabilitation, or maintenance to help avoid pipe failures which result in overflows of untreated wastewater into Commencement Bay and the Puget Sound.

SBE/LEAP COMPLIANCE: This project involves one category of work, inspection of wastewater sewer pipes. Since no reasonable opportunity for subcontracting exists, Tacoma’s SBE Office made the determination that SBE requirements would not apply to this project. The Local Employment and Apprenticeship Training Program (LEAP) goal is 428 hours.

RECOMMENDATION:

The Environmental Services Department recommends a contract be awarded to Ace Pipe Cleaning, Inc., in the amount of \$547,945.21, plus applicable sales tax, to inspect approximately 86,000 linear feet of 18-inch through 72-inch diameter wastewater sewer pipes using a combination of Closed Circuit Television, Laser Profiling, and Sonar Profiling for the Wastewater Trunk Line Condition Assessment.

FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME ¹	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT ²
ES Wastewater Fund 4300	IO 80018182	5310100	\$600,000.00
TOTAL			\$600,000.00

¹ General Fund: Include Department

² Including Sales Tax

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT ²
ES Wastewater Fund 4300	IO 80018182	Rate Revenues	\$600,000.00
TOTAL			\$600,000.00

² Total Includes Sales Tax

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$600,000.00

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes