



CITY OF TEMPE
REQUEST FOR COUNCIL ACTION

Council Meeting Date: 08/04/2016
Agenda Item: 5B17

ACTION: Award a professional services contract to Brown and Caldwell, Inc. for the Sewage Collection Assessment Project – Phase II, taking place City-wide.

FISCAL IMPACT: The total professional services contract amount is \$789,700. This project will be funded from fiscal year 2016/17 in Capital Improvement Project No. 3299969, Wastewater Collection System Upgrades and Improvements contingency.

RECOMMENDATION: Award contract to Brown and Caldwell, Inc.

BACKGROUND INFORMATION:

Project History:

The purpose of this project is to assist the City in expanding and improving its sewage collection system assessment program. The Water Utilities Division (WUD) maintains approximately 530 miles of gravity sewer mains and over 10,000 manholes. Approximately 770 manholes are located on large diameter (18-inch and larger) sewer mains. A significant portion of the collection system has been in the ground for more than fifty years and in some neighborhoods the infrastructure is considerably older.

Tools currently used by WUD in managing the collection system include geographic information system (GIS) mapping of physical aspects based primarily on record drawings and computerized maintenance management system (CMMS) software to record cleaning activities, blockages, repairs, and odor issues. Reports summarizing previous studies, inspections, assessments, and past rehabilitation and repair (R&R) projects are maintained on file as are change orders and electronic files of closed circuit television (CCTV) inspections. As the collection system continues to age, operations staff has been faced with an increasing burden of maintenance activities and are therefore seeking outside assistance to accelerate and improve condition assessment, monitoring, record keeping, data management, planning, and scheduling of future R&R work.

Scope of Work:

Work to be completed under this contract will include the second phase of the development of a comprehensive assessment and rehabilitation program. This phase of the program will also include inspection and assessment of approximately 14 miles of sewer pipeline and 1,000 manholes. Sewer R&R projects will be prioritized and incorporated into long-term capital improvement program planning. This phase and future phases of the sewer assessment program will include inspections and evaluations of additional portions of the system as part of an overall asset management program. This phase and subsequent phases will include annual funding for R&R based on evaluation ratings of assessed pipelines and manholes utilizing the PACP (Pipeline Assessment and Certification Program) and MACP (Manhole Assessment and Certification Program) standards.

Staff worked with Brown and Caldwell, Inc. in developing a detailed scope of work for this project. The proposal for the professional services submitted by Brown and Caldwell, Inc. to complete the scope of work was reviewed by staff and deemed to be consistent with normal engineering practice on similar projects. The proposed labor rates were reviewed by staff and are consistent with industry standards.

Contract Type: Professional Services

Procurement Method: Professional Services Request for Qualifications

Brown and Caldwell, Inc. was selected by a review committee as the most qualified firm for these services using a process pursuant to Arizona Revised Statutes, § 34-603. The qualifications based selection process included an evaluation of each firm's statement of qualifications in response to the City's request for qualifications (RFQ) with the reflected relative weights as follows:

- 5% General description of the professional skills, experience and ability of the proposed firm;
- 20% Relevant experience and qualifications of the proposed firm;
- 20% Relevant experience of key personnel;
- 35% Understanding of this project and approach to performing required services;
- 10% Firm performance and resources;
- 6% Project references;
- 4% Overall evaluation of the proposed firm and its ability to provide the required services.

ATTACHMENTS: Professional Services Contract

STAFF CONTACT(S): Andy Goh, Deputy Public Works Director/City Engineer, (480) 350-8896

Department Director: Don Bessler, Public Works Director

Legal review by: Chuck Cahoy, Deputy City Attorney

Prepared by: Wendy Springborn, Engineering Services Manager