



CITY OF TEMPE
REQUEST FOR COUNCIL ACTION

Council Meeting Date: 12/08/2016
Agenda Item: 5B32

ACTION: Award Job Order No. 14 to CSW Contractors, Inc. for Phase 8 of the City-Wide Water Valve & Fire Hydrant Replacements program at 1125 East Rio Salado Parkway.

FISCAL IMPACT: The Job Order No. 14 amount is \$176,570.88 and the project contingency amount is \$17,657.09. Funds to cover this contract and related costs are appropriated for fiscal year 2016/17 in the Capital Improvement Project No. 3299989, Transmission & Distribution Capital Improvements.

RECOMMENDATION: Award contract to CSW Contractors, Inc.

BACKGROUND INFORMATION:

Project History:

The purpose of this multi-phase project is to utilize a qualified contractor to plan, coordinate, and execute the replacement of over 100 broken water valves in the city-wide water distribution system, as well as around 300 Pacific States model fire hydrants. This contract will augment City Utility Services staff in repairing and replacing broken water valves and fire hydrants.

Tempe's water distribution system includes approximately 26,600 buried water valves located within street right-of-ways, alleys, and waterline easements. Some valves in the system are more than 50 years old. The broken valves have various problems ranging from leaking to being stuck in a closed or partially closed position. Since the water distribution system consists of an interconnected looped network that allows water to move in either direction through most of the water mains, none of the currently broken water valves are preventing flow from reaching customers. However, broken water valves cause unnecessary friction losses in the system that waste energy and reduce the level of redundancy of the system. Broken valves can also result in making it more difficult to shut down flow during water main breaks. As a result, more customers can end up temporarily out of water service during such impacted events.

Fire Hydrants in need of replacement can be addressed at the same time of nearby water valve replacements. These replacements are part of the Pilot Pacific States fire hydrant replacement program which focuses on 300 of the approximate 3,000 Pacific States fire hydrants in Tempe's water distribution system. The reasons for replacing Pacific States fire hydrants include poor operational conditions, significant water losses from leakage, the difficulties in obtaining repair parts, and the considerable amount of extra time spent fixing this particular model of fire hydrant.

Scope of Work:

Proposal Package #8 of the City-Wide Water Valve & Fire Hydrant Replacements project includes the replacement of one (1) broken 12-inch water valve at the southeast corner of the intersection of Rural Road & Rio Salado Parkway. The field conditions of this particular replacement involve significant efforts required to replace the water valve while protecting several other existing utilities in close proximity. The valve replacement is located approximately 20-feet below the ground, and is within several feet of the traffic signal structure foundation serving eastbound Rio Salado Parkway. Due to the valve's close proximity to this traffic signal, the traffic signal mast will need to be taken down during excavation activities, and a temporary traffic signal will be put in place until the water valve is replaced and the excavation is backfilled. The traffic signal structure will be restored to original conditions, while the traffic signal fiber optics will be relocated due to the extent of the excavation area.

Contract Type: Job Order Contracting

Procurement Method:

CSW Contractors, Inc. was previously selected through a qualifications based process consistent with Arizona Revised Statutes. § 34-601 through 611 for job order contracting. The qualifications based selection process for job order contracting includes evaluating each contractor’s statement of qualifications, in response to our request for qualifications (RFQ), and holding selection panel interviews with qualified firms based on the following criteria:

- 15% Relevant experience and qualifications of the proposed firm, team and key personnel;
- 15% Understanding of the project;
- 20% Approach to performing required services;
- 5% Firm performance and resources;
- 35% In depth discussion through question and answer session of the proposed firm’s expertise, knowledge and qualifications of key personnel, and;
- 10% Overall evaluation of the proposed firm and its ability to provide the required services.

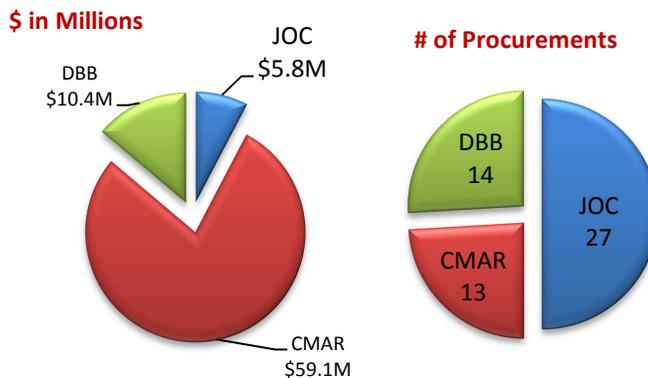
Once interviews are held, a final list of up to three qualified firms is established to negotiate and enter into contracts with. Once job order contracts are awarded, work is performed as a series of individual job orders. Each job order is defined by staff and negotiated with the job order contractor. Scope, schedule and price are established for each individual job order, which is recommended to Mayor and Council for award if the job order exceeds \$50,000. For this work, staff has reviewed the proposal from CSW Contractors, Inc. and found it to be reasonable for the scope of services.

After review of the 21-point discovery checklist for the Alternative Project Delivery Method Justification, it was determined to utilize the JOC procurement process specifically for this project for the following reasons:

- There is a high degree of urgency to accelerate progress on this project;
- The nature of this project calls to quickly solve unforeseen problems;
- A qualified team is needed to work closely with the WUD and the Engineering Division to proactively plan shutdowns and lessen disruptions of service to the public;
- An experienced team is needed to efficiently perform replacements, provide fire watches, and reduce downtime of fire protection to lessen the safety risk of the public.

Staff is providing a snapshot of the City’s current CIP construction activity by procurement method:

CMAR – Construction Manager at Risk
 DBB – Design, Bid, Build (low-bid)
 JOC – Job Order Contract



ATTACHMENTS: Job Order Contract.

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