
CITY OF TEMPE
REQUEST FOR COUNCIL ACTION**Council Meeting Date: 11/12/2015**
Agenda Item: 5B6

ACTION: Award a professional services consultant contract to Wilson Engineers, L.L.C. for design of a waterline replacement at Brentwood Manor and Tempe Royal Palms.

FISCAL IMPACT: The professional services consultant contract amount is \$211,170. Funds to cover this contract were approved and are appropriated for fiscal year 2015/16 in Capital Improvement Project No. 3204969, Water System Rehabilitation or Replacement of Aging Infrastructure.

RECOMMENDATION: Award professional services consultant contract.

BACKGROUND INFORMATION: Contract Type: Professional services consultant contract.

Procurement Method:

Wilson Engineers, L.L.C. was selected from the Engineering Division's On-call Consultant Short List based on the scope of work for this project and the specific expertise required for successful completion of this work. The Short List is established using a qualifications based selection process, pursuant to Arizona Revised Statutes (ARS) § 34-103. This selection process includes evaluation of the firms who apply for each discipline based on the following selection criteria and relative weights (ARS prohibits the use of pricing as a criterion for this qualifications based process):

- 30% Overall capability and qualifications of the firm;
- 30% Relevant municipal project experience of the firm;
- 25% Qualifications and experience of the firm's key local staff, and;
- 15% Overall evaluation of the firm and its familiarity of local regulations.

Once Wilson Engineers, L.L.C. was selected from the Short List, staff worked with them to finalize the scope of work and negotiate the design fee. The proposed labor rates submitted by Wilson Engineers, L.L.C. were reviewed by staff and are consistent with industry standards.

Project History:

The City's water distribution system includes approximately 840 miles of water distribution and transmission mains. Of those waterlines, the City has approximately 210 miles of cast iron pipe that is nearing the end of its useful life. The Water Utilities Division has implemented a systematic approach to replacing water mains by evaluating their age, material, and break history. The results of the evaluation are used to prioritize areas and determine a replacement schedule. The City plans to combine waterline replacement areas to include up to 10 miles of pipe per project in order to increase efficiency and reduce overall replacement costs.

Scope of Work:

The entire project will encompass approximately the area bound by Southern Avenue north to Alameda Drive, and College Avenue east to Dorsey Lane, and will include a total of approximately 8.8 miles of 4", 6", 8" and 12" waterline replacements. Also included are water service connections, fire hydrants, sidewalks, curbs, gutters, pavement replacement, and other appurtenances as needed. Public outreach will be an essential part of this project in order to keep the public informed of any neighborhood disruptions.

The work for this project is being procured using two separate design contracts, one for a lead consultant, which was awarded by Council on October 22, 2015, and another for a secondary consultant. The objective of designating a lead consultant is to ensure consistency throughout the project documents, design, post-design and construction. The lead consultant will be responsible to provide guidance to, and coordinate with, the secondary consultant regarding all standards and formats for this project. Wilson Engineers, L.L.C. has been selected as the secondary consultant and will be responsible

for designing approximately half the project area and complying with project-specific standards and formats for all plans, specifications, reports, calculations, estimates and all other project related documents and processes as set by the lead consultant. Each consultant shall enter into a separate contract with the City in order to provide engineering design phase and bid phase services for the project. The waterline design has been divided between the consultants with Rural Road as the dividing line. Wilson Engineers, L.L.C., as the secondary consultant and under this contract, will be responsible for the design of approximately 4.2 miles of water main replacement bound by Southern Avenue north to Alameda Drive, and Rural Road east to Dorsey Lane; including the waterline on Rural Road. This consultant shall provide, at a minimum, the following:

- Preparation of design/construction deliverables which will include but not limited to: plans, special provisions, calculations, reports and bid item quantities, all sealed by an Arizona registered professional engineer.
- Project management of their design phase contract.
- Field walk to collect and verify existing data.
- Research, documentation and reporting of utilities.
- Utility company coordination and conflict resolution.
- Existing conditions and as-built research.
- Preparation of monthly project schedule, tracking and progress reports.
- Attend and facilitate all project meetings including but not limited to: kick-off, field walk, agencies, utility, public/neighborhood, progress, design review, comment resolution, and pre-bid.
- Pre-bid services.

ATTACHMENTS: Professional services consultant contract with exhibit A included.

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