



Lift Station 43 Force Main Condition Assessment - Consultant Services - WS90501000 (Ordinance S-44695)

Request to authorize the City Manager, or his designee, to enter into an agreement with Black & Veatch Corporation to provide consulting services for an assessment of the Lift Station 43 Force Main for the Water Services Department (WSD). Further, request authorization for the City Controller to disburse all funds related to this item. The fee for services will not exceed \$400,000.

Additionally, request authorization for the City Manager, or his designee, to take all action as deemed necessary to execute all utilities-related design and construction agreements, licenses, permits, and requests for utility services relating to the development, design, and construction of the project and to include disbursement of funds. Utility services include, but are not limited to: electrical, water, sewer, natural gas, telecommunications, cable television, railroads, and other modes of transportation. This authorization excludes any transaction involving an interest in real property.

Summary

Lift Station 43 was constructed in 2001. This project will assess the condition of the three 24-inch diameter epoxy-lined ductile iron force main barrels at Lift Station 43. Each barrel is approximately 8,300 linear feet long. All force mains cross under the Salt River to two discharge structures in the regional interceptor system from Broadway Road to Baseline Road along 75th Avenue.

Black and Veatch Corporation will assess the condition of the three 24-inch barrels which includes the following elements: review as-builts of force mains and lift stations and any other documents pertinent to planning and accomplishing the assessment; recommend assessment technologies; conduct a state of the art inspection which may include remote field electromagnetic technology or other continuous scanning equipment; and develop site specific health and safety plans for the work; identify/address ancillary work including any necessary modifications to force mains to allow inspections; identify/address the restoration of force main segments, valves, discharge structures, etc.; identify any rehabilitation alternatives and/or estimate of remaining force main life and recommended schedule for re-inspection; and provide

engineer's construction cost estimates for rehabilitation alternatives.

Procurement Information

Black and Veatch Corporation was chosen for this project using a qualifications-based selection process according to section 34-603 of the Arizona Revised Statutes (A.R.S.). Pursuant to A.R.S. title 34, the City may not release the scores of proposers until a contract has been awarded. Three firms submitted proposals. The rankings follow:

Black and Veatch Corporation: Rank 1
HDR Engineering, Inc.: Rank 2
Project Engineering Consultants: Rank 3

Contract Term

The term for services is expected to be 24 months after issuance of the Notice to Proceed. Contract work scope identified and incorporated into the contract prior to the end of the contract term may be agreed to by the parties, and work may extend past the termination of the contract. No additional contract work scope changes may be executed after the end of the contract term.

Financial Impact

The total fee for contract services will not exceed \$400,000, including all subconsultants and reimbursable costs. Funding is available in the Water Services Department's Capital Improvement Program budget. Contract payments may be made up to the contract limits for all rendered services, which may extend past the contract termination.

Location

75th Avenue from Broadway to Baseline roads
Council District: 7

Responsible Department

This item is submitted by Deputy City Managers Karen Peters and Mario Paniagua, the Water Services Department, and City Engineer.