



Booster Pump Station Rehabilitation and Replacement Project, Packages 1 and 2 - Construction Manager at Risk Construction Phase Services - WS85100032 (Ordinance S-44647)

Request to authorize the City Manager, or his designee, to enter into an agreement with MGC Contractors, Inc. to provide Construction Manager at Risk (CMAR) construction phase services in support of the Booster Pump Station (BPS) Rehabilitation and Replacement project. The fee for services will not exceed \$16,605,529.60. Further request authorization to execute amendments to the contract as necessary within the Council-approved expenditure authority as provided below, and for the City Controller to disburse all funds related to this item.

Summary

The City assessed and ranked 108 water distribution system BPSs and determined improvements will be completed over the next five to seven years at the 30 sites most in need of improvement. The first six of the sites to be improved have been divided into two packages that are being awarded to two separate engineering firms.

Package 1 consists of a complete rebuild of the following stations:

- BPS 6J-B1 (capacity 0.22 MGD with three pumps), Lower Du Sommet.
- BPS 5N-B1 (capacity 0.043 MGD with two pumps), Upper Mount Central.
- BPS 7J-B1 (capacity 0.16 MGD with three pumps), Upper Du Sommet.
- BPS 10A-B1 (capacity 0.94 MGD with four pumps), Casa De Cielo.

Package 2 consists of the following stations and activities:

- BPS 5F-B2 (capacity 0.40 MGD with three pumps), Upper Coral Gables - complete rebuild of the station.
- BPS 5E-B4 (capacity 47.4 MGD with six pumps), Union Hills Water Treatment Plant - replace: two vertical turbine pumps, two silent check valves, four butterfly valves, two pump control valves, four Variable Frequency Drives (VFD), one Motor Control Center (MCC) per site, one Service Entrance Station (SES) per site, and air vacuum / release valves; and inspect the 54-inch header for possible rehabilitation or replacement. Water service will not be interrupted during construction.

MGC Contractors, Inc. will assume the risk of delivering the project through a Guaranteed Maximum Price (GMP). The initial contract services will include preparation of a GMP proposal for the construction services provided under the contract. The CMAR will be responsible for construction means and methods related to the project, participating with the City in a process to set a local and Small Business Enterprise (SBE) goal for the project and implementing the SBE process prior to the start of construction.

MGC Contractors, Inc. will also be required to solicit bids from prequalified subcontractors and to perform the work using the City's subcontractor selection process. MGC Contractors, Inc. may also compete to self-perform limited amounts of work. The CMAR construction services will be implemented under a GMP contract amendment.

Procurement Information

MGC Contractors, Inc. was selected for this project using a qualifications-based selection process according to section 34-603 of the Arizona Revised Statutes. Scoring and selection were made in conjunction with the CMAR Design Phase Services.

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 may be agreed to by the parties and work may extend past the termination of the contract. No additional contract work scope may be executed after the end of the contract term.

Financial Impact

- Staff will execute the initial CMAR construction services contract for GMP preparation services for a fee not to exceed \$105,529.60, including all subcontractor and reimbursable costs.
- Contract amendments may be executed for construction services totaling an amount not to exceed \$16.5 million, and will be reviewed and approved separately by the Budget and Research Department.
- Funding for \$16,605,529.60, including all subconsultant, subcontractor, and reimbursable costs, 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 contract services, which may extend past the contract termination.

Previous Council Action

The CMAR Design Phase Services contract is being submitted to Council for action on May 16, 2018.

Location

- Lower Du Sommet, in the area of 58th Street and Hummingbird Lane.
- Upper Mount Central, in the area of Central Avenue and North Lane.
- Upper Du Sommet, in the area of 57th Street and Quartz Mountain Road.
- Casa De Cielo, in the area of Cave Creek Road and Carefree Highway.
- Upper Coral Gables, in the area of 15th Avenue and 15th Drive.
- Union Hills Water Treatment Plant, in the area of Deer Valley Drive and Cave Creek Road.

Council Districts: 2, 3, Out of City

Responsible Department

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