

June 4, 2018

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Resolution authorizing execution of a professional services agreement with BHC Consultants for Engineering Services for the final design, bidding and construction phase services for the Cougar Mountain #3 Pump Station Rehabilitation, in an amount not to exceed \$128,855, plus all applicable taxes (CIP Plan No. W-91).

FISCAL IMPACT

This contract obligates the City to an amount up to \$128,855, plus all applicable taxes. This work is included in the 2017-2023 CIP. Sufficient budget exists within the Water Pump Station Rehabilitation or Replacement Program (CIP Plan No. W-91) to fully fund this contract.

STAFF CONTACTS

Nav Ota, Director, 452-2041

Linda De Boldt, Assistant Director of Engineering, 452-4625

Utilities Department

POLICY CONSIDERATION

City Comprehensive Plan policies:

- Provide reliable water service for domestic use, fire flow protection, and emergencies.

Utilities Department policies:

- The Utility shall invest resources as necessary to construct, maintain and renew water system infrastructure and equipment such that Utility customers are provided consistent, reliable service.

Utilities Department practice:

- Rehabilitate or replace deteriorated elements of the water system. CIP Plan No. W-91 has been designated to rehabilitate aging pump stations.

City contracting policies:

- Bellevue City Code section 4.28.030: The City's procurement policy supports open, fair, and transparent procurement of services in accordance with the City Code and state law. Because of the amount of this contract, Council approval is required.

BACKGROUND

The Cougar Mountain No. 3 water reservoir and pump station facility is located at 17623 SE Cougar Mountain Drive. The water booster pump station supplies the Cougar Mountain 1550 pressure zone. The pump station was originally constructed in 1998 and, after 20 years of operation, needs to be rehabilitated or replaced to ensure sufficient capacity for future demands, mitigate water hammer associated with transient pressure waves, and maintain water supply reliability for domestic use and fire suppression.

This project will rehabilitate or replace the booster pump station as part of an ongoing program to

rehabilitate older pump stations to bring them up to current standards.

Bids were opened on the original design of the Cougar Mountain # 3 Pump Station Rehabilitation project on April 27, 2017. Eight bids were received, with the low bid being \$2,008,380 which is about 28 percent over Engineer's Estimate of \$1,574,000. After a thorough review of the project design and value engineering, it was decided to reject all bids and re-design the project.

As required by state law relating to contracts for architectural and engineering services, the City selects the consultant deemed to be the most highly qualified for a given project. State law precludes using cost as a basis for selection of engineering firms.

This contract with BHC is for final design services for the re-designed pump station, bid period services and services during construction. Services during construction include but are not limited to submittal reviews, responding to requests for information, potential change orders, field visits, and record drawings.

The consultant selection process for this project was consistent with City's policies and procedures. Consultants were advised through a roster notification process to consider updating their Statement of Qualifications (SOQ's) for the upcoming selection process. Six firms were selected from the City's roster, to provide SOQ's tailored to this project. Five of the firms submitted SOQ's. A selection team representing engineering design and operations staff reviewed the SOQ's submitted by:

- BHC Consultants
- Murray, Smith & Associates
- MWH
- PACE
- RH2

Based on the review of the SOQ's, BHC was selected as the most qualified firm because of their completion of similar sized projects serving closed pressure zones as well as their experience with surge analysis. This has included the rehabilitation and surge analysis of five pump stations. Samples of past relevant projects include the North City pump station for the North City Water District, the Snoqualmie Ridge 1180/1260 pump station for the City of Snoqualmie, and the Somerset Inlet pump station for Bellevue.

EFFECTIVE DATE

If approved, this Resolution becomes effective immediately upon Council adoption.

OPTIONS

1. Adopt the Resolution authorizing execution of a professional services agreement with BHC Consultants for Engineering Services for the final design, bidding and construction phase services for the Cougar Mountain #3 Pump Station Rehabilitation, in an amount not to exceed \$128,855, plus all applicable taxes (CIP Plan No. W-91).
2. Do not adopt the Resolution and provide alternative direction to staff.

RECOMMENDATION

Option 1

MOTION

Move to adopt Resolution No. 9413 authorizing execution of a professional services agreement with BHC Consultants for Engineering Services for the final design, bidding and construction phase services for the Cougar Mountain #3 Pump Station Rehabilitation, in an amount not to exceed \$128,855, plus all applicable taxes (CIP Plan No. W-91).

ATTACHMENTS

A. CIP Project Description
Proposed Resolution No. 9413

AVAILABLE IN COUNCIL DOCUMENT LIBRARY

Agreements