

January 9, 2017

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Resolution authorizing execution of a professional services agreement with MWH Americas, Inc. for engineering services for Midlakes Pump Station Capacity Improvements – Final Design and Services during Construction, in the amount of \$296,960 (CIP Plan No. S-61).

FISCAL IMPACT

This contract obligates the City to an amount up to \$296,960. This work is included in the 2017-2023 Utility CIP Plan. Sufficient budget exists within the Midlakes Pump Station Capacity Improvements (CIP Plan No. S-61), to fully fund this contract.

STAFF CONTACTS

Nav Ota, Director, 452-2041

Paul A. Bucich, Assistant Director of Engineering, 452-4596

Utilities Department

POLICY CONSIDERATION

Utility Department policies:

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

City Comprehensive Plan policies:

- Base the extension and sizing of system components on the land use plan of the area. System capacity will not determine land use.

Utility Department practice:

- The City's practice is to provide sufficient sewer capacity to allow planned development. The current pump station capacity would limit downtown redevelopment. CIP Plan Number S-61 has been designated to replace the current station to provide sufficient capacity to meet the needs of planned growth in the eastern part of downtown Bellevue.

City contracting policies:

- Bellevue City Code 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 existing Midlakes wastewater pumping station was constructed in 1968 and rehabilitated in 1994 and is located at approximately 12730 Northeast BelRed Road in a paved area adjacent to the Coca-Cola bottling plant. The City of Bellevue has recently rezoned several areas within the service area limits of

this pump station. The existing pump station has a capacity of 800 gallons per minute and will not be capable of conveying the increased sewage flow anticipated to be produced by this rezone.

Planned development in the BelRed Corridor includes residential housing and retail shops which will generate much more sewage. Now, only very limited redevelopment may occur in the area before it becomes necessary to increase the pump station's capacity to avoid significant risk of sewage overflow to the West Tributary of Kelsey Creek. Since the future sewage flow is anticipated be roughly twice the capacity of the existing pump station, and due to the complexity involved in retrofitting and expanding the existing pump station, a new pump station designed to handle the increased capacity will be constructed on City-owned property adjacent to the existing pump station. Once the new pump station is in operation, the existing station will be demolished.

Construction is expected to begin early 2017 and end in mid-2018. This contract with MWH is primarily for construction phase services including but not limited to submittal reviews, responding to requests for information, potential change orders, field visits, geotechnical construction services, environmental support services, and record drawings.

Additional final design services for work not included in the original design contract will be provided in this contract. As the design of the project was nearing completion, additional work was required to respond to unexpected permit requirements and failing infrastructure near the project site. The conditional use permit (CUP) review for the pump station triggered the need to include architectural work not originally anticipated for the pump station design contract. Three-dimensional (3D) renderings of the pump house needed to be created to allow Development Services review staff to determine that the project met the CUP requirement that the building have a modern Pacific Northwest architectural appearance. Required project revisions included changes to the building's doors, siding, and stone veneers. These changes prompted revisions to the plans and specifications, as well as additional structural calculations to ensure that the building had adequate structural support for the weight of the modified siding and veneers. This work was unable to be completed under the original estimate.

This contract also includes additional design work resulting from a refined system analysis to ensure the new pump station would not over pressurize the existing downstream system. As a result of this analysis, surge control equipment and a new surge control valve were included in the final design of the pump station.

The total professional service agreement is for \$296,960. Of this total amount, approximately \$248,000 is for construction phase services and \$49,000 for the additional design services.

The Midlakes Pump Station Capacity Improvements project (CIP No. S-61) was created to provide added sewer capacity needed to accommodate redevelopment in the Bel-Red area.

The consultant selection process for this project was consistent with the City's policies and procedures.

Seven firms from the Shared Procurement Portal were invited to submit Statements of Qualifications (SOQs) for this project. The following four firms submitted SOQ's, HDR, Pace Engineering, Murray Smith & Associates and MWH.

A selection team representing engineering and operations staff reviewed the Consultant's qualifications and selected MWH.

Selection was based on the qualifications and completion of similar pump station projects and the overall approach proposed for the Midlakes Pump Station Project. MWH completed several pump station projects including design, construction support, community relations, permitting, Utilities Engineering, Triple Bottom Line Analysis, and the construction phasing to maintain the existing pump station in operation while building the new pump station. Experience in all of these key areas was needed for the Mid Lakes Pump Station Capacity Improvement-Design Project. MWH's proposal also included a complete team to provide services in all key areas needed for this project. Some of the similar projects completed by MWH in the past include Sunset/Heatfield Wastewater Pump Station, King County, Durham Influent Pump station, Cleanwater services-Tigard OR, Pacific Pump Station and Force Mains, King County, etcetera. This contract is to provide final design and construction services for the same Midlakes Pump Station project.

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 MWH Americas, Inc. for engineering services for Midlakes Pump Station Capacity Improvements – Final Design and Services during Construction, in the amount of \$296,960 (CIP Plan No. S-61).
2. Do not adopt the Resolution and provide alternative direction to staff.

RECOMMENDATION

Option 1

MOTION

Move to adopt Resolution No. 9215 authorizing execution of a professional services agreement with MWH Americas, Inc. for engineering services for Midlakes Pump Station Capacity Improvements – Final Design and Services during Construction, in the amount of \$296,960 (CIP Plan No. S-61).

ATTACHMENTS

CIP Project Description

Proposed Resolution No. 9215

AVAILABLE IN COUNCIL DOCUMENT LIBRARY

Professional Services Agreement