

July 6, 2015

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Resolution No. 8944, authorizing execution of an amendment to the Professional Services Agreement with MWH Americas, Inc. for engineering services for Midlakes Pump Station Capacity Improvements - Design and Bidding Services Amendment No. 2, in the amount of \$100,581.75 (CIP Plan No. S-61).

FISCAL IMPACT

This contract obligates the City to a total amount up to \$677,780.43. This project is fully funded in the 2015-2021 Utilities CIP. Sufficient funds are budgeted to cover the costs of this amended contract.

CIP Plan No.	CIP Program	Amount
S-61	Midlakes Pump Station Capacity Improvement	\$577,198.68
S-61	Midlakes Pump Station Capacity Improvement Amendment No. 1	0
S-61	Midlakes Pump Station Capacity Improvement Amendment No. 2	100,581.75
	Total	\$677,780.43

STAFF CONTACT

Nav Otal, 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, updated January 1, 2015, 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 Pump Station is located in unimproved City right of way located north of a private property at 12700 Bel-Red Road. In 2014, Council authorized execution of a professional services agreement with MWH Americas, Inc. for design and bidding services to replace the existing pump station with a new station with increased capacity. The contract included preliminary and final design services for the pump station replacement including a geotechnical investigation to characterize the existing soil and ground water conditions in the project vicinity.

Geotechnical engineers recently performed drilling at one of the three boreholes included in the original scope of work. This borehole was performed using Hollow Stem Auger drilling, and a flowing artesian condition (pressurized aquifer) was encountered at about 30 feet deep. According to geotechnical engineers, Hollow Stem Auger drilling is not suitable at locations with a pressurized aquifer and, as a result, the borehole was terminated at 30 feet without reaching the needed 50 foot depth for design and analysis.

This amendment adds additional scope and budget to modify the drilling method at the two remaining borehole locations to use mud rotary drilling and to add one more borehole using a sonic drill suitable for sites with a pressurized aquifer. In addition, this amendment includes a 24-hour aquifer pumping test, installation of observation wells to monitor ground water levels and aquifer pressure during pump testing, analysis of aquifer conditions, estimation of hydraulic conductivity and transmissivity, and a recommendation for dewatering design and incorporation of those recommendations into the bid package.

EFFECTIVE DATE

If adopted, this Resolution will become effective immediately.

OPTIONS

1. Adopt the Resolution authorizing execution of Professional Services Agreement Amendment with MWH Americas, Inc. for engineering services for Midlakes Pump Station Capacity Improvements - Design and Bidding Services Amendment No. 2, in the amount of \$100,581.75 (CIP Plan No. S-61).
2. Do not adopt the Resolution and provide alternative direction to staff.

RECOMMENDATION

Option No. 1

MOTION

Move to adopt Resolution No. 8944, authorizing execution of Professional Services Agreement Amendment with MWH Americas, Inc. for engineering services for Midlakes Pump Station

Capacity Improvements - Design and Bidding Services Amendment No. 2, in the amount of \$100,581.75 (CIP Plan No. S-61).

ATTACHMENTS

CIP Project Description

Proposed Resolution

AVAILABLE IN COUNCIL OFFICE

Consultant Amendment