



City of Olathe

COUNCIL AGENDA ITEM

MEETING DATE: 12/3/2019

DEPARTMENT: Public Works

STAFF CONTACT: Mary Jaeger/Beth Wright

SUBJECT: Supplemental Agreement No. 3 with Black & Veatch Corporation for construction phase services for the Water Treatment Plant 2: Alternative Disinfection Project, PN 5-C-004-16.

ITEM DESCRIPTION:

Consideration of Supplemental Agreement No. 3 with Black & Veatch Corporation for construction phase services for the Water Treatment Plant 2: Alternative Disinfection Project, PN 5-C-004-16.

SUMMARY:

The Alternative Disinfection project was identified as a need in the Water Treatment Plant 2: Facility Plan Report (Facility Report). The Facility Report identified operational challenges with maintenance of the clearwells and a deficit of on-site clearwell storage due to the current disinfection process. This project was identified as a need due to the following:

- Enhancements to the disinfection process are required to ensure regulatory compliance;
- Process redundancy is not currently provided;
- There is currently limited on-site clearwell storage; and
- The current process has limitations on future plant expandability.

This project includes construction of a new chlorine dioxide disinfection process including a building to house chemicals and feed equipment and a concrete disinfection contact basin.

This project was combined with three other projects at Water Treatment Plant 2 (WTP2) into a single construction project that is being constructed by Crossland Heavy Contractors, Inc. utilizing a Construction Management at Risk (CMAR) delivery method. Construction is underway and will be completed in Summer 2020.

Supplemental Agreement No. 3 with Black & Veatch provides for operational assistance after construction completion, including the following tasks:

- Develop a chlorine dioxide process operations manual including key process indicators and guidance on process changes to respond to variations in water quality conditions;
- Provide materials for monthly reporting to the Kansas Department of Health and Environment (KDHE) and compliance sampling requirements;
- Provide training to operators on the new process;
- Design and implement a tracer study of the disinfection contact basin as required by KDHE.

The total fee for the services provided in Supplemental Agreement No. 3 is \$78,582. This will raise the total fee for all services provided under the Agreement from \$1,162,275 to \$1,240,857.

FINANCIAL IMPACT:

The funding for the Water Treatment Plant 2: Alternative Disinfection Project includes:

Water & Sewer Funds	\$ 706,790
SDF Funds	\$1,197,832
Revenue Bonds	<u>\$4,084,538</u>
Total	\$5,989,160

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ACTION NEEDED:

Approval of Supplemental Agreement No. 3 with Black & Veatch Corporation for construction phase services for the Water Treatment Plant 2: Alternative Disinfection Project, PN 5-C-004-16.

ATTACHMENT(S):

- A: Supplemental Agreement No. 3
- B: Project Fact Sheet
- C: Project Location Map