



Legislation Text

File #: 21-805, **Version:** 1

STRATEGIC PRIORITY: Mobility Solutions, Infrastructure, and Sustainability
AGENDA DATE: June 23, 2021
COUNCIL DISTRICT(S): Outside of City Limits
DEPARTMENT: Water Utilities Department
EXECUTIVE: Majed Al-Ghafry

SUBJECT

Authorize Supplemental Agreement No. 6 to the professional services contract with Black & Veatch Corporation for additional engineering and construction phase services for water quality improvements at the East Side Water Treatment Plant - Not to exceed \$1,286,000.00, from \$22,634,885.00 to \$23,920,885.00 - Financing: Water Capital Improvement D Fund

BACKGROUND

In June 2006, Dallas Water Utilities initiated a two-part study to investigate water quality concerns and provide recommendations to improve water quality and stability. The study and requisite testing confirmed that the treated water chemically changes as it moves through the distribution system. The resulting Water Quality Report recommended the implementation of enhanced organic removal at all three water treatment plants including enhanced coagulation and biological filtration.

Black & Veatch Corporation was selected based on qualifications to perform engineering and design services at the East Side Water Treatment Plant for the implementation of recommended water quality improvements. The initial professional services contract was approved by City Council on June 23, 2010 and was anticipated to be supplemented as work progresses to ensure a targeted approach. Five previous Supplemental Agreements have been executed on this contract with the most recent on September 25, 2019. This action includes construction phase services for the Residuals Handling - Phase 1 Project as well as extended construction phase services for two on-going and related water quality construction projects at the East Side Water Treatment Plant, the Flocculation and Sedimentation Basins and the Biological Filtration Optimization Improvement projects.

Future projects will be required to complete the remaining residual handling improvements which include dewatering facilities, filter-to-waste and filter backwash pumping stations, and modifications to the existing lagoons to accommodate higher quality filter residuals. The ultimate improvements will allow for flexibility in handling of residual solids and divides the higher quality waste streams for diversion of decant back to the treatment system, reducing raw water use. It is anticipated that two

additional supplemental agreements will be necessary to complete the design of the remaining residual handling facilities and provide construction phase services for the remaining facilities.

ESTIMATED SCHEDULE OF PROJECT

Began Services	June 2016
Complete Services	July 2023

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On June 23, 2010, City Council authorized a professional services contract with Black & Veatch Corporation to provide engineering services for the East Side Water Treatment Plant water quality improvements by Resolution No. 10-1639.

On June 22, 2011, City Council authorized Supplemental Agreement No. 1 to the professional services contract with Black & Veatch Corporation for additional engineering design services for the East Side Water Treatment Plant water quality improvements by Resolution No. 11-1737.

On October 24, 2012, City Council authorized Supplemental Agreement No. 2 to the professional services contract with Black & Veatch Corporation for additional engineering design, bid phase, and construction phase services for water quality improvements at the East Side Water Treatment Plant by Resolution No. 12-2673.

On September 10, 2014, City Council authorized Supplemental Agreement No. 3 to the professional services contract with Black & Veatch Corporation for additional engineering design, bid phase, and construction phase services for water quality improvements at the East Side Water Treatment Plant by Resolution No. 14-1486.

On May 25, 2016, City Council authorized Supplemental Agreement No. 4 to the professional services contract with Black & Veatch Corporation to provide additional construction phase services for water quality improvements at the East Side Water Treatment Plant by Resolution No. 16-0829.

On September 25, 2019, City Council authorized Supplemental Agreement No. 5 to the professional services contract with Black & Veatch Corporation for additional engineering design, bid phase, and construction phase services for water quality improvements at the East Side Water Treatment Plant by Resolution No. 19-1531.

FISCAL INFORMATION

Fund	FY 2021	FY 2022	Future Years
Water Capital Improvement D Fund	\$1,286,000.00	\$0.00	\$0.00

Design	\$ 2,047,315.00
Supplemental Agreement No. 1	\$ 3,995,000.00
Supplemental Agreement No. 2	\$ 4,175,570.00
Supplemental Agreement No. 3	\$ 6,284,000.00
Supplemental Agreement No. 4	\$ 2,910,000.00

Supplemental Agreement No. 5	\$ 3,223,000.00
Supplemental Agreement No. 6 (this action)	<u>\$ 1,286,000.00</u>
Total Project Cost	\$23,920,885.00

M/WBE INFORMATION

In accordance with the City's Business Inclusion and Development Policy adopted on September 23, 2020, by Resolution No. 20-1430, as amended, the M/WBE participation on this contract is as follows:

Contract Amount	Procurement Category	M/WBE Goal	M/WBE %	M/WBE \$
\$1,286,000.00	Architecture & Engineering	25.66%*	30.75%	\$395,429.00
• *This item reflects previous Business Inclusion and Development Policy M/WBE goal.				
• This contract exceeds the M/WBE goal.				
• Supplemental Agreement No. 6 - 30.11% Overall M/WBE participation				
• Black & Veatch Corporation - Local; Workforce - 19.51% Local				

OWNER**Black & Veatch Corporation**

Steve Edwards, Chairman, President/Chief Executive Officer

MAP

Attached