



Legislation Text

File #: 20-1732, **Version:** 1

STRATEGIC PRIORITY: Mobility Solutions, Infrastructure, and Sustainability
AGENDA DATE: October 28, 2020
COUNCIL DISTRICT(S): Outside City Limits
DEPARTMENT: Water Utilities Department
EXECUTIVE: Majed Al-Ghafry

SUBJECT

Authorize an increase in the construction services contract with Archer Western Construction, LLC for additional work associated with the construction of a new residuals handling facility at the Elm Fork Water Treatment Plant - Not to exceed \$255,063.00, from \$26,965,771.62 to \$27,220,834.62 - Financing: Water Capital Improvement D Fund

BACKGROUND

The Elm Fork Water Treatment Plant located in Carrollton, Texas, is the second largest of three water treatment plants serving customers of the City of Dallas. On May 10, 2017, City Council authorized a contract for the construction of a new residuals handling facility at the Elm Fork Water Treatment Plant by Resolution No. 17-0764. Residuals are a normal by-product of the drinking water treatment process and consist of solids removed from the source water by the addition of coagulants and a sedimentation process.

The residuals handling facility project includes the construction of a new residuals pump station and transfer lines as well as gravity thickeners, chemical feed systems, mechanical piping, and site grading. The improvements were recommended by the 2010 Water Quality Study and are part of the Elm Fork Water Quality Improvements Program. Upon completion, the project will improve the overall efficiency of the solids handling process, reduce the use of raw water, and allow for the implementation of the remaining water quality projects. On June 26, 2019, City Council approved Change Order No. 1 to the contract which included additional chemical feed improvements, the cleaning of a 54-inch diameter pipeline to facilitate rehabilitation, chlorine scrubber improvements and tank repairs, utility relocations due to conflicts, control system modifications, and additional pier drilling due to unforeseen site conditions.

This action will authorize Change Order No. 2 to the contract with Archer Western Construction, LLC for additional work identified during construction of the residuals handling facility. The major work includes installation of riprap, handrail, hydroseeding, and fencing at the disposal area, modifications to the chemical building heating, ventilation, and air conditioning system, relocation of the phosphate storage tanks, modification of the valve vault sump pump control panels, and the purchase of six sludge blanket monitors for the gravity thickeners. Other work associated with this change order includes the purchase of twelve caps for the 54-inch pipe, the rerouting of 4-inch sump pump discharge lines, the installation of a secondary liner for chemical containment, the addition of 196 days to complete the contract due to weather delays, and other miscellaneous improvements necessary for future operation and maintenance of the residual handling facilities.

ESTIMATED SCHEDULE OF PROJECT

Began Construction June 2017
Complete Construction February 2021

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On May 10, 2017, City Council authorized a construction services contract with Archer Western Construction, LLC for the construction of a new residuals handling facility at the Elm Fork Water Treatment Plant at 1440 Whitlock Lane by Resolution No. 17-0764.

On June 26, 2019, City Council authorized Change Order No. 1 to the contract with Archer Western Construction, LLC for the construction of a new residuals handling facility at the Elm Fork Water Treatment Plant by Resolution No. 19-1035.

FISCAL INFORMATION

Fund	FY 2020	FY 2021	Future Years
Water Capital Improvement D Fund	\$255,063.00	\$0.00	\$0.00

Construction	\$25,486,500.00
Change Order No. 1	\$ 1,479,271.62
Change Order No. 2 (this action)	\$ <u>255,063.00</u>

Total Project Cost	\$27,220,834.62
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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	Category	M/WBE Goal	M/WBE %	M/WBE \$
\$255,063.00	Construction	25.00%	136.83%	\$348,999.25
• This contract exceeds the M/WBE goal.				
• Change Order No. 2 - 11.02% Overall M/WBE participation				
• Archer Western Construction, LLC. - Dallas County; Workforce - 7.92% Local				

OWNER

Archer Western Construction, LLC

Daniel P. Walsh, President

MAP

Attached