



Legislation Text

File #: 22-2198, **Version:** 2

STRATEGIC PRIORITY: Transportation & Infrastructure
AGENDA DATE: October 26, 2022
COUNCIL DISTRICT(S): Outside City Limits
DEPARTMENT: Water Utilities Department
EXECUTIVE: Kimberly Bizer Tolbert

SUBJECT

Authorize an increase in the construction services contract with BAR Constructors, Inc. for additional work associated with the construction of a new pump station to replace the existing Pump Station No. 1 at the Elm Fork Water Treatment Plant - Not to exceed \$280,613.16, from \$51,322,606.78 to \$51,603,219.94 - Financing: Water Construction Fund

BACKGROUND

The Elm Fork Water Treatment Plant located in Carrollton, Texas was originally constructed in the 1950s and is the second largest of three water treatment plants serving the customers of Dallas Water Utilities. The existing Pump Station No. 1 was constructed in 1952 and served as the plant's original raw water and potable water pump station.

On September 27, 2017, City Council authorized a contract with BAR Constructors, Inc. for the construction of a new pump station to replace the existing Pump Station No. 1 at the Elm Fork Water Treatment Plant by Resolution No. 17-1563. Due to its age, replacement of the existing pump station is necessary to bring the facility up to current standards and capacity requirements. The new facility includes the installation of four, 55 million gallons per day (MGD) raw water pumps and four, 40 MGD potable water pumps as well as associated yard piping, valves, and electrical improvements that will provide greater flexibility and efficiency in pumping operations. Also included are post clearwell chlorine and ammonia feeds which will improve water quality into the distribution system.

On June 12, 2019, City Council authorized Change Order No. 1 to the construction services contract for additional labor and materials required to construct a 4160V transformer as well as additional work identified during construction. The customer-owned transformer was required as part of the expansion of the Oncor West Electrical Substation located inside the Elm Fork Water Treatment Plant. Expansion of the substation was coordinated with Oncor during design, but shortly after the construction contract was bid, Oncor notified the City of their plans to modify the expansion of the substation. Other additional work included minor changes to structural, chemical, mechanical and piping work and a video monitoring system for better oversight of construction.

On August 26, 2020, City Council authorized Change Order No. 2 to the construction services contract for additional labor and materials required to complete the extensive yard piping modifications and address unforeseen conditions required to connect the new Pump Station No. 1 to the Elm Fork Water Treatment Plant as well as the water distribution system. Additional work included modifications to the West Substation, changes to the electrical and ammonia systems, as well as additional handrail at the ground level of the pump station for increased safety.

This action will authorize Change Order No. 3 to the construction services contract to include necessary modifications to yard and process piping, site civil work including a guardrail and additional curb and gutter, SCADA and HMI improvements that were not included in the original contract, electrical modifications for the new heating, ventilation and air conditioning and elevator, modifications to chemical equipment, electrical gear changes caused by grounding issues at the new transformer, modifications to instrumentation and controls, and repairs and cleaning of the job site caused by flooding from a nearby main break. The change order also includes a credit for an unused contractor allowance to initiate electrical changes with Oncor.

ESTIMATED SCHEDULE OF PROJECT

Began Construction December 2017
Complete Construction December 2022

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On September 27, 2017, City Council authorized a construction services contract with BAR Constructors, Inc., for the construction of a new pump station to replace the existing Pump Station No. 1 at the Elm Fork Water Treatment Plant by Resolution No. 17-1563.

On June 12, 2019, City Council authorized Change Order No. 1 to the construction services contract with BAR Constructors, Inc., for additional construction work required to replace the existing Pump Station No. 1 at the Elm Fork Water Treatment Plant by Resolution No. 19-0911.

On August 26, 2020, City Council authorized Change Order No. 2 to the construction services contract with BAR Constructors, Inc., for additional construction work required to replace the existing Pump Station No. 1 at the Elm Fork Water Treatment Plant by Resolution No. 20-1273.

FISCAL INFORMATION

Fund	FY 2023	FY 2024	Future Years
Water Construction Fund	\$280,613.16	\$0.00	\$0.00

Construction \$50,090,500.00
Change Order No. 1 \$ 644,091.87
Change Order No. 2 \$ 588,014.91
Change Order No. 3 (this action) \$ 280,613.16

Project Total \$51,603,219.94

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
\$280,613.16	Construction	25.66%*
M/WBE Subcontracting %	M/WBE Overall %	M/WBE Overall Participation \$
0.20%	50.73%	\$570.00
• * This item reflects previous Business Inclusion and Development Policy M/WBE		
• This contract does not meet the M/WBE goal, but complies with good faith efforts.		
• Change Order No. 3 - 6.06% Overall MWBE participation		
• BAR Constructors, Inc. - Local; Workforce - 35.25% Local		

OWNER

BAR Constructors, Inc.

Isidro Arrambide, President

MAP

Attached