



Legislation Text

File #: 22-1320, **Version:** 1

STRATEGIC PRIORITY: Transportation & Infrastructure

AGENDA DATE: August 10, 2022

COUNCIL DISTRICT(S): 9

DEPARTMENT: Water Utilities Department

EXECUTIVE: Kimberly Bizer Tolbert

SUBJECT

Authorize a construction services contract for major maintenance and rehabilitation improvements at Dallas Water Utilities' raw water system facilities located at Lake Ray Hubbard - Archer Western Construction, LLC, only bidder - Not to exceed \$32,082,400.00 - Financing: Water Capital Improvement G Fund

BACKGROUND

Dallas Water Utilities (DWU) identified and evaluated 10 raw water facilities based on their age and condition, impact to the system, reliability, cost to operate, and frequency of repairs. The most critical raw water facilities were found to include the lake intake, Forney Pump Station, and Forney Dam at Lake Ray Hubbard. Lake Ray Hubbard is the only DWU reservoir owned and operated by the City of Dallas. The reservoir and associated water supply infrastructure were constructed in the late 1960's and early 1970's and several critical components require rehabilitation and replacement.

This action will authorize a construction contract for major rehabilitation and replacement of infrastructure at Lake Ray Hubbard. Items targeted include traveling screens, sluice gate replacement at the intake, pump and valve replacement, site civil and groundwater monitoring improvements, monorail and bridge crane system improvements, new stop logs and storage building, heating, ventilation, and air conditioning upgrades, and electrical and control improvements for the Forney Dam. The existing facilities have reached the end of their useful life, have limited operability, and are difficult to access and repair.

At the Lake Ray Hubbard Intake, traveling screen #1 will be replaced and traveling screen #2 will be rehabilitated. Existing intake sluice gates, jib cranes, screen wash pumps and stop logs will be replaced. Security cameras will be installed with monitoring capability of personnel stationed at the East Side Water Treatment Plant. Three of six existing raw water pumping units will be replaced at the Forney Pump Station, equipped with performance monitoring instrumentation. Two of the new pumps will also be equipped with variable speed controls. In addition, all 42-inch suction and 36-inch discharge valves will be replaced. Specific improvements at the Forney Dam spillway include the repair of concrete spalling within the floor of the spillway structure and repairs to Gates No. 6 and 11 to address structural deficiencies and leaks.

The following chart illustrates Archer Western Construction, LLC's contractual activities with the City of Dallas for the past three years:

	<u>PBW</u>	<u>DWU</u>	<u>PKR</u>	<u>TRN</u>
Projects Completed	0	4	0	0
Active Projects	0	2	0	0
Change Orders	0	3	0	0
Projects Requiring Liquidated Damages	0	0	0	0
Projects Completed by Bonding Company	0	0	0	0

ESTIMATED SCHEDULE OF PROJECT

Begin Construction October 2022
 Complete Construction November 2024

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

This item has no prior action.

FISCAL INFORMATION

Fund	FY 2022	FY 2023	Future Years
Water Capital Improvement G Fund	\$32,082,400.00	\$0.00	\$0.00

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 \$
\$32,082,400.00	Construction	32.00%	32.00%	\$10,266,368.00
<ul style="list-style-type: none"> • This contract meets the M/WBE goal. • Archer Western Construction, LLC - Local; Workforce - 8.00% Local 				

PROCUREMENT INFORMATION

The following single bid was received and opened on April 1, 2022:

*Denotes only bidder

<u>Bidder</u>	<u>Bid Amount</u>
*Archer Western Construction, LLC 1411 Greenway Drive Irving, Texas 75038	\$32,082,400.00

Note: Dallas Water Utilities has reviewed this procurement and determined that the bid was conducted in accordance with Administrative Directive 4-05 and that reasonable efforts were made to increase bid participation. This procurement meets the requirements for a single bid and represents a good value for the work to be performed.

A bid protest was filed by another vendor. Staff investigated this claim and found it to be unsubstantiated.

OWNER

Archer Western Construction, LLC

Daniel P. Walsh, President

MAP

Attached