



Legislation Text

File #: 20-1988, **Version:** 1

STRATEGIC PRIORITY: Mobility Solutions, Infrastructure, and Sustainability

AGENDA DATE: December 9, 2020

COUNCIL DISTRICT(S): All

DEPARTMENT: Water Utilities Department

EXECUTIVE: Majed Al-Ghafry

SUBJECT

Authorize a professional services contract with CDM Smith, Inc. to provide engineering services for the Water Delivery supervisory control and data acquisition and Meandering Way High Improvements - Not to exceed \$2,530,000.00 - Financing: Water Construction Fund

BACKGROUND

The City of Dallas Water Utilities (DWU) provides drinking water and fire flow protection to approximately 2.4 million people in the City of Dallas and 23 customer cities. DWU's water delivery system consists of 22 pump stations, 21 storage tanks, 18 pressure planes, and over 5,000 miles of pipeline infrastructure. A supervisory control and data acquisition (SCADA) system is used to operate and control the delivery of water.

This action will authorize an engineering services contract for the evaluation, preliminary design, development of construction plans and specifications, construction phase services, and start-up assistance for SCADA system and Meandering Way High pressure plane improvements. The existing SCADA system "top end" was originally installed in 2012, and has reached the end-of-support and is operating with expired warranties. Existing SCADA hardware and operating software will be evaluated and upgraded to support City of Dallas adopted technology frameworks and standards, to comply with Department of Homeland Security guidelines and recommendations, and to have flexibility to expand for future needs.

The Meandering Way High pressure plane is serviced by three pump stations (Meandering Way, Cosa Crest, and Parkway) and a single elevated tank (Highland Tank). Due to growth in the area, some parts of the Meandering Way High pressure plane experience lower water pressure and improvements have been recommended through a recent comprehensive system assessment. The engineer will confirm the preferred improvement strategy and design long-term improvements.

The consulting firm for this project was selected following a qualifications-based selection process in accordance with City of Dallas Administrative Directive 4-5 procurement guidelines.

ESTIMATED SCHEDULE OF PROJECT

Begin Design January 2021
Complete Design June 2022

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

This item has no prior action.

FISCAL INFORMATION

Fund	FY 2021	FY 2022	Future Years
Water Construction Fund	\$2,530,000.00	\$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	Category	M/WBE Goal	M/WBE %	M/WBE \$
\$2,530,000.00	Architectural & Engineering	25.66%	29.74%	\$752,465.00
• This contract exceeds the M/WBE goal.				
• CDM Smith, Inc. - Local; Workforce - 32.60% Local				

OWNER

CDM Smith, Inc.

Timothy Wall, Chief Executive Officer

MAP

Attached