



Legislation Text

File #: 19-1847, **Version:** 1

STRATEGIC PRIORITY: Mobility Solutions, Infrastructure, and Sustainability

AGENDA DATE: January 22, 2020

COUNCIL DISTRICT(S): 9, Outside City Limits

DEPARTMENT: Water Utilities Department

EXECUTIVE: Majed Al-Ghafry

SUBJECT

Authorize Supplemental Agreement No. 1 to the professional services contract with Garver, LLC to provide design and additional engineering services required for major maintenance and rehabilitation improvements at Dallas Water Utilities' raw water system facilities - Not to exceed \$4,949,190.00, from \$1,637,463.00 to \$6,586,653.00 - Financing: Water Capital Improvement E Fund

BACKGROUND

The initial phase of this project identified 10 raw water facilities for evaluation based on their age and condition, impact to system, reliability, cost to operate, and frequency of repairs. The facilities included intake structures, screening equipment, pump stations, valves, and pipelines located at the Tawakoni Balancing Reservoir and at intakes along the Elm Fork of the Trinity River and three Dallas Water Utilities (DWU) water supply reservoirs: Lake Ray Hubbard, Lake Tawakoni, and Lake Fork. Services included condition assessments, prioritization of needs, cost analyses of replacement or repair, and development of a business risk exposure value for each element of the water supply system evaluated. An asset management inventory with a risk-based scoring system was developed to determine the near term and future prioritization and phasing of improvements to the raw water facilities.

Supplemental Agreement No. 1 is for the second phase of the project to provide specialized investigations and evaluations identified during the initial phase and detailed engineering designs of critical raw water facility improvements. In addition, detailed field investigations, modeling and operational assessments for the Forney Dam at Lake Ray Hubbard are included in the scope of services for the second phase of the project.

The original contract authorization also included services to design an entrance to the East Side Water Treatment Plant consistent with DWU security guidelines and other DWU water treatment facilities. The new entrance was designed to isolate entry and exit into separate traffic lanes and allow improved security by separating plant personnel entry from chemical deliveries and visitors.

The improvements also included upgrades to be consistent with local municipality development ordinances. Supplemental Agreement No. 1 will include construction phase services associated with these improvements.

Future supplemental agreements are anticipated to provide construction phase services for all critical repairs identified in the implementation plan as well as detailed designs for other high priority raw water improvements.

ESTIMATED SCHEDULE OF PROJECT

Began Services	July 2017
Complete Services	January 2022

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On June 14, 2017, City Council authorized an engineering services contract with Garver, LLC to perform an evaluation/study and preliminary design of major maintenance and rehabilitation improvements at Dallas Water Utilities' raw water system facilities by Resolution No. 17-0949.

FISCAL INFORMATION

Fund	FY 2020	FY 2021	Future Years
Water Capital Improvement E Fund	\$4,949,190.00	\$0.00	\$0.00
Total	\$4,949,190.00	\$0.00	\$0.00

Evaluation/Study	\$1,637,463.00
Supplemental Agreement No. 1 (this action)	<u>\$4,949,190.00</u>

Project Total	\$6,586,653.00
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<u>Council District</u>	<u>Amount</u>
9	\$4,443,714.00
Outside City Limits	<u>\$ 505,476.00</u>
Total	\$4,949,190.00

The estimated total construction cost for the improvements being designed under this supplemental agreement is \$23,000,000.00.

M/WBE INFORMATION

In accordance with the City's Business Inclusion and Development Plan adopted on October 22, 2008, by Resolution No. 08-2826, as amended, the M/WBE participation on this contract is as follows:

Contract Amount	Category	M/WBE Goal	M/WBE %	M/WBE \$
\$4,949,190.00	Architectural & Engineering	25.66%	25.85%	\$1,279,320.00
• This contract exceeds the M/WBE goal.				
• Supplemental Agreement No. 1 - 25.81% Overall M/WBE participation				

OWNER

Garver, LLC

Brock Hoskins, President/Chief Executive Officer

MAP

Attached