File #: 20-1344, **Version:** 1

STRATEGIC PRIORITY:	Mobility Solutions, Infrastructure, and Sustainability
AGENDA DATE:	September 9, 2020
COUNCIL DISTRICT(S):	8
DEPARTMENT:	Water Utilities Department
EXECUTIVE:	Majed Al-Ghafry

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SUBJECT

Authorize Supplemental Agreement No. 1 to the professional services contract with Signature Automation, LLC for additional engineering services related to the design, construction administration, and start-up associated with Supervisory Control and Data Acquisition improvements at the Southside Wastewater Treatment Plant - Not to exceed $2,630,000.00, from $2,680,000.00 to $5,310,000.00 - Financing: Wastewater Capital Improvement D Fund

BACKGROUND

The City of Dallas owns and operates two wastewater treatment plants with a combined treatment capacity of 280 million gallons per day. Southside Wastewater Treatment Plant (SWWTP) is located in southeast Dallas and is permitted to treat an average annual flow of 110 million gallons of wastewater per day. The existing Supervisory Control and Data Acquisition (SCADA) system at the SWWTP is reaching the end of its useful life. All hardware and software are obsolete and currently not supported by the original manufacturers.

On May 22, 2019, City Council authorized a professional services contract with Signature Automation, LLC for services related to the design and construction of SCADA improvements at the SWWTP. The project includes the evaluation and design of instrumentation and control equipment to optimize treatment operations by improving reliability, consistency and minimizing treatment cost. As part of the original scope of the contract, Signature Automation, LLC has determined the instrumentation and equipment needs to improve automation and control of the treatment processes at the plant.

This action will authorize Supplemental Agreement No. 1 with Signature Automation, LLC for configuration and programming efforts of the SCADA system. These services are difficult to determine prior to evaluating the necessary instrumentation and control equipment needs, and as such were not included in the original contract. By delaying these services and better defining the scope of work, Dallas Water Utilities will be able to complete configuration and programming services at a lower cost than if included in the original contract award.

SCADA system improvements at the SWWTP were identified in the 2010 Wastewater Facilities Strategic Plan and are critical to ensure the continued, reliable treatment of wastewater.

ESTIMATED SCHEDULE OF PROJECT

Begin Services   October 2020
Complete Services   September 2021

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On May 22, 2019, City Council authorized a professional services contract with Signature Automation, LLC, Inc. to provide engineering services for the design, construction administration, and start-up associated with Supervisory Control and Data Acquisition improvements at the Southside Wastewater Treatment Plant by Resolution No. 19-0798.

FISCAL INFORMATION

Fund	FY 2020	FY 2021	Future Years
Wastewater Capital Improvement D Fund	$2,630,000.00	$0.00	$0.00

Design $2,680,000.00
  Supplemental Agreement No. 1 (this action) $2,630,000.00

Project Total $5,310,000.00

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 $
$2,630,000.00	Architectural & Engineering	25.66%	86.84%	$2,283,964.00
• This contract exceeds the M/WBE goal.				
• Supplement Agreement No. 1 - 86.32% Overall M/WBE participation				
• Signature Automation, LLC - Dallas County; Workforce - 90.00% Local				

OWNER

Signature Automation, LLC

Rick Hidalgo, President

MAP

Attached