



## Legislation Text

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**File #:** 20-1330, **Version:** 1

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**STRATEGIC PRIORITY:** Mobility Solutions, Infrastructure, and Sustainability

**AGENDA DATE:** September 23, 2020

**COUNCIL DISTRICT(S):** 7

**DEPARTMENT:** Water Utilities Department

**EXECUTIVE:** Majed Al-Ghafry

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### **SUBJECT**

Authorize Supplemental Agreement No. 1 to the professional services contract with CDM Smith Inc. to provide additional engineering services for the rehabilitation of the Jim Miller Pump Station - Not to exceed \$3,068,724.00, from \$1,975,000.00 to \$5,043,724.00 - Financing: Water Capital Improvement D Fund

### **BACKGROUND**

The Jim Miller Pump Station located at 5200 Jim Miller Road in Dallas, Texas is one of the largest and most critical pumping facilities in the Dallas Water Utilities potable water distribution system. The 20-million gallon reservoir receives and stores water from the East Side Water Treatment Plant and supplies water to central, east, and north Dallas, as well as Pleasant Grove.

The pump station was constructed in 1950, the reservoir was added in 1978, and a major expansion of the pump station was constructed in 1985. Much of the equipment in the station dates back to the original construction and is inefficient and expensive to operate and maintain. Operation of the pump station can cause surge issues at the pump station and in the distribution system. Unmitigated surge can damage equipment and rupture pipelines potentially leading to a disruption in water service and damage to private property.

On February 14, 2018, City Council authorized a professional services contract with CDM Smith for a comprehensive evaluation of the pump station and reservoir structures, pumps, motors, valves, pipes, electrical gear, instrumentation, and HVAC equipment by Resolution No. 18-0293. The scope of the evaluation also included recommendations based on condition assessments, which were compiled into a preliminary design report for the rehabilitation of the pump station.

This action will authorize Supplemental Agreement No. 1 to the professional services contract with CDM Smith, Inc. for the final design of the rehabilitation of the pump station based on the condition assessments and preliminary design efforts. These improvements will bring the station up to current building codes and pump station design standards, with a focus on mitigating surge, increasing efficiency, improving site security, and extending the service life of the pump station and reservoir. Construction phase engineering services will need to be authorized under a future supplemental agreement.

### **ESTIMATED SCHEDULE OF PROJECT**

Begin Services                      October 2020  
Complete Services                September 2021

### **PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)**

On February 14, 2018, City Council authorized a professional services contract with CDM Smith, Inc. for a comprehensive assessment and preliminary design report for the rehabilitation of the Jim Miller Pump Station, by Resolution No. 18-0293.

### **FISCAL INFORMATION**

Fund	FY 2020	FY 2021	Future Years
Water Capital Improvement D Fund	\$3,068,724.00	\$0.00	\$0.00

Evaluation/Study	\$1,975,000.00
Supplemental Agreement No. 1 (this action)	<u>\$3,068,724.00</u>
Project Total	\$5,043,724.00

### **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 \$
\$3,068,724.00	Architectural & Engineering	25.66%	35.23%	\$1,081,264.00
• This contract exceeds the M/WBE goal.				
• Supplemental Agreement No. 1 - 31.05% Overall M/WBE Participation				
• CDM Smith, Inc. - Local; Workforce - 31.00% Local				

### **OWNER**

**CDM Smith, Inc.**

Anthony B. Bouchard, President

**MAP**

Attached