



Legislation Text

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

STRATEGIC PRIORITY: Mobility Solutions, Infrastructure, and Sustainability

AGENDA DATE: September 23, 2020

COUNCIL DISTRICT(S): 7

DEPARTMENT: Water Utilities Department

EXECUTIVE: Majed Al-Ghafry

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.

MAP

Attached