



Legislation Text

File #: 21-1385, **Version:** 1

STRATEGIC PRIORITY: Mobility Solutions, Infrastructure, and Sustainability
AGENDA DATE: September 9, 2021
COUNCIL DISTRICT(S): Outside City Limits
DEPARTMENT: Water Utilities Department
EXECUTIVE: Majed Al-Ghafry

SUBJECT

Authorize an increase in the construction services contract with Oscar Renda Contracting, Inc. for additional work associated with the construction of biological filtration optimization improvements at the East Side Water Treatment Plant - Not to exceed \$1,225,387.90, from \$24,904,983.00 to \$26,130,370.90 - Financing: Water Capital Improvement D Fund

BACKGROUND

East Side Water Treatment Plant was originally constructed in the 1960s and is the largest of three water treatment plants serving customers of the City of Dallas Water Utilities Department (DWU) with a treatment capacity of 440 million gallons per day. The most recent construction improvement projects were recommended by a DWU Water Quality Study to increase the chemical and biological stability of the finished water.

The biological filtration improvements project augments the existing filter facilities for biological removal of organics and includes a new backwash pump station and chemical storage and feed facilities. Pump station improvements will allow the filters to be backwashed with non-chlorinated water to encourage biological activity in the filters. Chemical storage and feed facilities allow the introduction of process chemicals which improve the desired biological activity, optimizing the removal of organics.

This action will authorize Change Order No. 1 to the construction services contract, to the contract with Oscar Renda Contracting, Inc. for additional work identified during the construction of the pump station and chemical facilities. Excavation for the pump station uncovered unknown structures that had to be removed prior to construction of the wetwell, and the backwash pump station required the addition of a seal water system that was not designated during the design. Other changes included the relocation of an electrical ductbank, the addition of backup chlorine lines, the replacement of a 42-inch washwater cross fitting and associated piping, as well as modifications of the chemical feed piping and trenches to accommodate field conditions. Additionally, work within the filter gallery revealed the need to remove an old, degraded internal pipe lining to accommodate the replacement of a portion of the pipe for a chemical feed connection. This additional work is required for the systems to function as intended.

