

CIP EXPENSE DETAIL

CONTACT DEPARTMENT(S):

Austin Water Utility

SUBJECT. Authorize the negotiation and execution of a construction contract with MATOUS CONSTRUCTION, LTD. for the Davis Water Treatment Plant Chemical Feed System Improvements Bid Package 2: Lime Slaker/Lime Slurry Feed System Improvements in the amount of \$1,995,000 (base bid + alternates) plus a \$199,500 contingency, for a total contract amount not to exceed \$2,194,500.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Davis Chemical Feed System Improvements - Pkg 2
Fund/Department/Unit:	3960 2207 6417
Funding Source:	Commercial Paper
Current Appropriation:	2,244,500.00
Unencumbered Balance:	2,244,500.00
Amount of This Action:	(2,194,500.00)
Remaining Balance:	<u>50,000.00</u>
Total Amount of this Action	<u><u>2,194,500.00</u></u>

ANALYSIS / ADDITIONAL INFORMATION: The Davis Water Treatment Plant (WTP) has a rated treatment capacity of 120 million gallons per day. The plant uses lime softening, rapid mix basins, flocculation basins, sedimentation basins, re-carbonation basins, gravity filters, clear well storage, and raw water and finished water pumping stations. Powdered activated carbon is added for taste and odor control. Settled water pH is adjusted with carbon dioxide. The plant was constructed in 1954 and expanded in 1961 and 1973, with additional improvements in 1986, 1993, 1997, 2000, 2002, 2003, and 2006.

This project will replace six slaker systems, slurry piping, and associated electrical appurtenances at Davis WTP. The slaker systems at the Davis WTP are used to mix water and pebble lime into a slurry for metered introduction into the water treatment process. Lime slurry is used to remove hardness and other constituents in drinking water prior to distribution to customers.

Much of the existing equipment at Davis WTP has exceeded its useful life and the integrity of certain components has been compromised by corrosion and age. The existing slakers have been in service for over 10 years and are nearing the end of their service life. They require an increased level of maintenance and are in need of replacement.

The contract includes replacing four lime slackers, associated electrical appurtenances and slurry piping as base bid items. Bid alternate #1 will replace five slakers and associated electrical appurtenances. Bid alternate #2 replaces all six slakers and associated electrical appurtenances.

Due to the potential for encountering unanticipated conditions and the sensitive nature of working in an operating water treatment plant, a 10% contingency has been included to allow for the expeditious processing of any change orders. The contract allows 220 calendar days for completion of this project.

This project is located within zip code 78703 and is managed by the Public Works Department.

Matous Construction, Ltd. is located in Belton, Texas.