

## CIP EXPENSE DETAIL

**DATE OF COUNCIL CONSIDERATION:**  
**CONTACT DEPARTMENT(S):**

6/23/11  
Austin Water Utility

**SUBJECT.** Authorize execution of a construction contract with EXCEL CONSTRUCTION SERVICES, LLC. for Davis Water Treatment Plant Treated Water Discharge System First Priority Improvements in the amount of \$2,230,000 plus a \$223,000 contingency, for a total contract amount not to exceed \$2,453,000.

### CURRENT YEAR IMPACT:

<b>Department:</b>	<b>Austin Water Utility</b>
Project Name:	Davis Treated Water Dischg Sys 1st Prior Imps
Fund/Department/Unit:	3960 2207 7139
Funding Source:	

Current Appropriation:	5,025,000.00
Unencumbered Balance:	4,327,617.81
Amount of This Action:	<u>(2,453,000.00)</u>
Remaining Balance:	<u>1,874,617.81</u>

Total Amount of this Action	<u><u>2,453,000.00</u></u>
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### ANALYSIS / ADDITIONAL INFORMATION:

The Davis Water Treatment Plant (WTP) is a conventional lime softening plant that has a rated treatment capacity of 120 million gallons per day (MGD). The plant was built in stages starting with 25 MGD capacity in 1952 with major capacity expansions in 1961 and 1973.

The Davis WTP Treated Water Discharge System (TWDS) is composed of a filtered water channel, four underground clearwells, a medium service pump station, a high service pump station and associated piping and appurtenances. The TWDS is a critical system which must remain in continuous service to convey treated water to the distribution system. Various components of this system have deteriorated or exceeded their intended service life.

This project consists of improvements to the TWDS including replacement of 14 valves ranging in size from 18 inches to 48 inches and associated work on the valve vaults, installation and removal of one temporary bulkhead in the pressurized concrete filter channel, the installation of two permanent bulkheads in the same channel, encasement of seven dresser couplings in the medium service pump station, cleaning of the concrete filter channel and four clearwells, and rehabilitation of an electrical motor.

Davis WTP must be able to meet the peak summer demands during the execution of this project. Due to this critical timeline and scheduling and coordination constraints limiting construction activities in certain areas of the plant, a 10% contingency in funding has been included to allow for the expeditious processing of any change orders.

The contract allows 360 calendar days for final completion of this project. This project is located within zip code 78703.