

CIP EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION:
CONTACT DEPARTMENT(S):

Austin Water Utility

SUBJECT. Authorize execution of a construction contract with PAYTON CONSTRUCTION, INC. for the Walnut Creek WWTP WRI Tank Assessment and Repairs project in the amount of \$5,415,625 plus a \$270,781 contingency, for a total contract amount not to exceed \$5,686,406.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Wcwwtp Wri Tank Assess.& Repair/Hsps
Fund/Department/Unit:	3960 2207 7941
Funding Source:	Commercial Paper
Current Appropriation:	7,172,797.00
Unencumbered Balance:	6,120,937.35
Amount of This Action:	(5,686,406.00)
Remaining Balance:	<u>434,531.35</u>
 Total Amount of this Action	 <u><u>5,686,406.00</u></u>

ANALYSIS / ADDITIONAL INFORMATION: The Water Resource Initiative (WRI) tank located at the Walnut Creek Wastewater Treatment Plant (WWTP), stores reclaimed water prior to transport for beneficial use at three golf courses; BAE Systems, the Mueller redevelopment, the Senate Hills HOA, the University Park development, and the University of Texas. On an annual basis, the tank is instrumental in the distribution of more than 150 million gallons of reclaimed water. Construction of the tank started in 2001 with the tank being placed in service in 2003. The tank floor began leaking in the first year after being placed in service and has gradually gotten worse. If unaddressed, a failure of the tank floor places the entire reclaimed system north of the Colorado River out of service.

The Austin Water Utility (AWU) negotiated professional engineering services with CP&Y, Inc. for an assessment of the existing tank with regard to long-term structural integrity and remedial design documents to repair the tank and to make improvements at the WRI high service pump station to provide reliable service for increased reclaimed water demand. The assessment and engineering study was completed in May 2011. CP&Y recommended the construction of a new welded steel tank on an adjacent future tank site. To accommodate future growth, an additional high service pump and associated appurtenances are proposed to increase pumping capacity of the reclaimed water distribution system. A bulk water fill station is also included. Construction of this project will provide the longest service life of the WRI tank with little to no down time to the existing WRI tank and increase the capacity of the reclaimed water distribution.

Due to the potential for additional drill shafts and trench excavation safety protection systems, an 8% contingency in funding has been included to allow for the expeditious processing of any change orders.