

CIP EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION:
CONTACT DEPARTMENT(S):

11/10/11
Austin Water Utility

SUBJECT. Authorize execution of a construction contract with AUSTIN FILTER SYSTEMS, INCORPORATED, Austin, TX for the Walnut Creek-Outfall Bank Erosion Phase II Project, in the amount of \$1,260,662.20, plus a \$63,000 contingency, for a total contract amount not to exceed \$1,323,662.20.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Walnut Crk Wwtp Outfall Bank Erosion Ph 2
Fund/Department/Unit:	4480 2307 8069
Funding Source:	AWU Fund Transfer
Current Appropriation:	1,923,663.00
Unencumbered Balance:	1,510,443.27
Amount of This Action:	(1,323,622.20)
Remaining Balance:	<u>186,821.07</u>
 Total Amount of this Action	 <u><u>1,323,622.20</u></u>

ANALYSIS / ADDITIONAL INFORMATION: The Walnut Creek Wastewater Treatment Plant (WWTP) has a rated capacity of 75 million gallons per day (MGD) and currently treats approximately 55 MGD (average daily flow). Treated effluent is first used to serve the City's water reuse system or as non-potable water (NPW) in the treatment plant. The remaining treated effluent is discharged to the Colorado River. The 96-inch effluent pipe runs parallel to Walnut Creek. Natural erosion has shifted the creek banks over the past decade. These shifts have brought the creek bank very close to the effluent pipe in four locations. Continued shifting to the east could undermine the effluent pipe and compromise its structural integrity. The two southernmost locations were stabilized in Phase I of this project. This project, Phase II, will stabilize the remaining two locations. These stabilizations will ensure the long-term stability of the effluent pipe and ensure the safe and efficient discharge of the effluent.

This project will stabilize the banks of Walnut Creek by reestablishing a 2:1 slope, revegetating the banks to prevent erosion in the future, and installing a more permanent creek bottom with riprap. Trees which must be removed during the construction phase will be replaced. Native vegetation will be used to revegetate the banks and maintain a natural, healthy ecosystem in the creek. The entire project is located on Walnut Creek WWTP property.

Due to the potential for unknown conditions a 5% contingency has been included to allow for the expeditious processing of any change orders. The contract allows 425 calendar days for completion of this project. Construction is anticipated to start by March 2012 and continue until May 2013.

This project is located within zip code 78725 and is managed by the Public Works Department.