

CIP EXPENSE DETAIL

CONTACT DEPARTMENT(S):

Austin Water Utility

SUBJECT. Authorize execution of a construction contract with AUSTIN FILTER SYSTEMS, INC., for Walnut Creek Influent Bank Stabilization-Site 5 in the amount of \$945,602 plus a \$47,280 contingency, for a total contract amount not to exceed \$992,882.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Walnut Creek Influent Bank Stabilization
Fund/Department/Unit:	4570 2307 8732
Funding Source:	Commercial Paper
Current Appropriation:	1,490,282.00
Unencumbered Balance:	1,156,778.76
Amount of This Action:	(992,882.00)
Remaining Balance:	<u>163,896.76</u>
 Total Amount of this Action	 <u><u>992,882.00</u></u>

ANALYSIS / ADDITIONAL INFORMATION: Walnut Creek Wastewater Treatment Plant (WWTP) is situated east of Walnut Creek, a tributary of the Colorado River, and treats an average of 54 million gallons of wastewater per day. The Crosstown Tunnel, the major 96-inch wastewater interceptor for Walnut Creek WWTP, enters a siphon on the west bank of the creek to flow underneath. Upon leaving the siphon, the tunnel and its associated air-line turn south and enter the plant, parallel to each other.. The large amount of runoff carried by Walnut Creek during rain events has, overtime, caused severe erosion in the area near the wastewater treatment plant and measures have been taken during the last several years to protect facilities threatened by the migrating creek banks. Erosion near the influent pipe currently threatens the structural integrity of a 30-inch air-line that is parallel to the tunnel, and located several feet closer to the creek. Nearly 40 feet of the air-line has been exposed by erosion and the stability of the line is in jeopardy.

The proposed contract is for stabilizing the banks of Walnut Creek where the creek meanders east, close to the air-line and tunnel. Additionally, the air-line currently exposed by erosion will be re-supported and protected against further erosion. Stabilization will be accomplished by reshaping the cross section of the creek and lining the bottom and banks of the creek with large diameter (24-inch) rock rip-rap. This method of stabilization has been used at two other sites along the creek and has been proven safe and effective. The proposed project is located solely on City property.

Due to the potential for unknown conditions a 5% contingency in funding has been included to allow for the expeditious processing of any change orders.

The contract allows 270 calendar days for completion of this project. This project is located within zip code 78724 and is managed by the Public Works Department. Austin Filter Systems, Inc. is located in Austin, TX.