CIP
EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION: 8/25/11
CONTACT DEPARTMENT(S): Austin Water Utility

SUBJECT. Authorize execution of a construction contract with PROTA, INCORPORATED, (MBE/FH-61.69%) Austin, TX for the Walnut Creek Basin Odor and Corrosion Improvements Project in the amount of $1,062,000 plus a $106,200 contingency, for a total contract amount not to exceed $1,168,200.

CURRENT YEAR IMPACT:

Department:	**Austin Water Utility**
Project Name:	Crosstown Siphon Air Jumpter
Fund/Department/Unit:	4480 2307 4650
Funding Source:	Austin Water Utility CIP Cash
Current Appropriation:	1,569,200.00
Unencumbered Balance:	1,383,049.78
Amount of This Action:	(1,168,200.00)
Remaining Balance:	214,849.78
Total Amount of this Action	1,168,200.00

ANALYSIS / ADDITIONAL INFORMATION: This project consists of the repair, refurbishment, and improvement of the existing ventilation and odor control systems which draw odorous air from two wastewater interceptors, the Crosstown Tunnel and the Little Walnut Creek Interceptor, that deliver wastewater to the Walnut Creek Wastewater Treatment Plant (WWTP). Both sewers, one a 96-inch diameter line and the other a 42-inch line, have air spaces that contain compounds such as hydrogen sulfide and mercaptans which cause noxious odors and corrosion of pipe interiors. An air exhaust system was installed on both these pipelines to remove air via an air jumper and to exhaust the air at Walnut Creek WWTP. Both the air lines and the equipment have become inoperable over the past several years due to frequent intrusion of water into the air piping system and normal wear and tear of equipment.

This project will restore the ability to ventilate the sewers and put an air treatment system for the air into operation. To accomplish this, several work packages will need to be completed. First, approximately 1,400 feet of the existing 30-inch diameter air line from the Crosstown Tunnel to the plant will be re-lined with a corrosion resistant material. Second, a segment of the air vent line will be re-routed to eliminate a low point that acts as a liquid seal, thereby limiting flow of air from the interceptors to the treatment complex. Third, equipment will be installed to reduce moisture in the air which will increase the service life of air treatment equipment. Finally, one of ten existing air treatment units located at the Walnut Creek WWTP will be refurbished.

The entire project is located on Walnut Creek WWTP property or on an easement adjacent to the plant, limiting the impact of this project on the public. This project is located entirely within zip code 78725.

Due to the potential for unknown conditions associated with repair and rehabilitation work such as this, a 10% contingency in funding has been included to allow for the expeditious processing of any change orders. The contract allows 150 calendar days for completion of this project. Construction is anticipated to start by October 2011 and continue until March 2012.