

## CIP EXPENSE DETAIL

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

1/12/12  
Austin Water Utility

**SUBJECT.** Authorize execution of a construction contract with EXCEL CONSTRUCTION SERVICES, LLC of Leander, TX, for the Lockheed Shafts and Lateral Repair Project in the amount of \$2,253,000 plus a \$225,300 contingency, for a total contract amount not to exceed \$2,478,300.

### CURRENT YEAR IMPACT:

<b>Department:</b>	<b>Austin Water Utility</b>
Project Name:	Lockheed Shaft Rehab
Fund/Department/Unit:	4480 2307 8476
Funding Source:	AWU Fund Transfer
 Current Appropriation:	 4,372,000.00
Unencumbered Balance:	2,792,770.89
Amount of This Action:	(2,478,300.00)
Remaining Balance:	<u>314,470.89</u>

Total Amount of this Action	<u><u>2,478,300.00</u></u>
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**ANALYSIS / ADDITIONAL INFORMATION:** The Govalle Wastewater Tunnel was placed into service in 1988 and conveys wastewater generated in central and downtown Austin to the South Austin Regional Wastewater Treatment Plant (SAR WWTP). The Govalle Tunnel is an approximately 8-mile long, 96-inch internal diameter, cast-in-place concrete tunnel installed at an average depth of 100 feet. A manned inspection of the Govalle Tunnel identified rehabilitation needs for the system. The first Project, Govalle Tunnel System Rehabilitation and Improvements project at the Montopolis Site, was completed in 2008. The second Project was implemented at the Canterbury, Highway, and Bergstrom site and is essentially complete.

The purpose of this project is to structurally repair the existing shafts and lateral at the Lockheed Site to mitigate the impacts of corrosion as well as protect against future corrosion. The work for this Project includes the structural repair of the three large diameter shafts (the access, drop and flume shafts) and associated lateral at the Lockheed Site using cementitious material. The repair method includes the application of a protective coating system for structural restoration and corrosion resistance. Bypass pumping to divert wastewater flows for the structural repair will be required. A carbon odor control unit at this site will also be refurbished and replenished with new carbon. The work will also include implementation of a health and safety plan, site security plan, hazardous area monitoring, and securing tunneling access in order to complete the structural rehabilitation at the Lockheed Site.

A 10% funding contingency has been included due to potential extensive corrosion in the shafts and lateral which may require additional materials and labor for repair work.

The contract allows 240 calendar days for completion of this project. This project is located within zip code 78742.