

## CIP EXPENSE DETAIL

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

4/12/12  
Watershed Protection / Public Works

**SUBJECT:**

Authorize execution of a construction contract with ZACHRY CONSTRUCTION CORPORATION, for Waller Creek Tunnel - Waller Beach Site Improvements - Outlet Facility in the amount of \$13,162,313 plus a \$350,000 contingency, for a total contract amount not to exceed \$13,512,313.

**CURRENT YEAR IMPACT:**

<b>Department:</b>	<b>Watershed</b>
Project Name:	Waller Creek - Outlet
Fund/Department/Unit:	4972 6307 3904
Funding Source:	TIF Funds
Current Appropriation:	13,550,000.00
Unencumbered Balance:	13,524,492.00
Amount of This Action:	(13,512,313.00)
Remaining Balance:	<u>12,179.00</u>

**ANALYSIS / ADDITIONAL INFORMATION:**

The Waller Creek Flood Control Project will support transformation of the Waller Creek District into a safer, more vibrant area. Currently, much of the District lies within a 100-year flood plain and is subject to severe flooding, erosion, and litter. The tunnel will reduce the risk of severe flooding and stream bank erosion along lower Waller Creek by capturing and diverting flood waters from the upper creek basin (above 12th Street) into a large tunnel located 70 feet underground. The tunnel will begin in Waterloo Park where an inlet facility and pond will accept flood waters and screen out trash and debris. Creek side inlets between 4<sup>th</sup> and 5<sup>th</sup> Streets and between 8<sup>th</sup> and 9<sup>th</sup> Streets will capture additional flood waters below 12<sup>th</sup> Street. The tunnel will discharge to an outlet lagoon on the shores of Lady Bird Lake.

This contract will include a tunnel outlet structure and lagoon adjacent to Lady Bird Lake. The outlet structure will be constructed primarily below grade and will discharge flood waters into the lagoon and then into Lady Bird Lake. During a storm event, this facility will deliver storm water in a controlled and safe manner to Lady Bird Lake. During wet weather, the wetlands area will function as a filtration pond to treat run-off from Trinity Street and the surrounding park. The outlet project consists of the following construction: a large underground concrete water detention and sedimentation structure, wetlands area, natural lake shore restoration, trail extension, tunnel connection, Americans with Disabilities Act (ADA) compliant access to the lake, and scenic overlook. This is a large civil and water management facility project that will include all trades associated with heavy civil construction.

A future component of the project will be constructed under a separate contract and will connect to the tunnel underground to complete the conveyance. The 8th Street Creek Side Inlet, located between 8th and 9th Streets is scheduled to begin construction in April 2013.

The total construction budget for the Waller Creek Tunnel program which includes this authorization, earlier approved authorizations, and future requests for authorization for the above and other support

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projects is estimated to be \$106,700,000.

Due to the potential for unknown conditions that could be encountered during underground tunnel construction, a 2.6% contingency in funding has been included to allow for the expeditious processing of any change orders. Construction is scheduled to begin May 2012. The construction contract allows 760 calendar days for completion of this project. This project is located in zip code 78701 and will be managed by the Public Works Department.

Zachry Construction Company is located in San Antonio, TX.