

CIP EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION:
CONTACT DEPARTMENT(S):

10/20/11
WPD

SUBJECT:

Authorize execution of a construction contract with OSCAR RENDA CONTRACTING, INC., Austin, TX for Waller Creek Tunnel Project – Inlet at Waterloo Park in the amount of \$27,825,000.00 plus a \$695,625.00 contingency, for a total contract amount not to exceed \$28,520,625.00.

CURRENT YEAR IMPACT:

Department:	Watershed
Project Name:	Waller Creek
Fund/Department/Unit:	4972 6307 3903
Funding Source:	TIF Fund
Current Appropriation:	30,200,000.00
Unencumbered Balance:	30,200,000.00
Amount of This Action:	(28,520,625.00)
Remaining Balance:	<u>1,679,375.00</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 4th and 5th Streets and between 8th and 9th Streets will capture additional flood waters below 12th Street. The tunnel will discharge to an outlet lagoon on the shores of Lady Bird Lake.

This contract provides for the construction of the Inlet of the Waller Creek Tunnel. The inlet project consists of the following: a new 20,000 sq. ft. maintenance and debris handling building, creek channel improvements, pond construction, and an inlet shaft/underground works. The maintenance building will be equipped with debris screening facilities, recirculation pumps for water in the tunnel, pond, and creek and associated electrical and SCADA systems. This is a large civil and stormwater management facility project that will include all trades associated with heavy civil construction.

At the Inlet during a storm event, the improved creek channel and new pond structure will capture and direct flood waters to a new maintenance and debris handling facility for trash screening and diversion into the tunnel. During dry weather, pumps in this facility will recirculate pond water and introduce lake water from the tunnel into the creek to maintain tunnel water quality and promote year-round baseflow in the creek.

Future components of the project will be constructed under separate contracts and will connect to the underground tunnel currently under construction to complete the conveyance. A description of these future contracts is as follows:

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The outlet lagoon is scheduled to start construction in January of 2012. This contract will include a tunnel outfall structure and lagoon adjacent to Lady Bird Lake. The outfall structure will primarily be constructed below grade and will discharge flood waters into the lagoon and then into Lady Bird Lake. This project will require City Council approval to modify the Lady Bird Lake shoreline.

The 8th Street Creek Side Inlet, located between 8th and 9th Streets is scheduled to start construction in April of 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 projects) is \$106,700,000.

Due to the potential for unknown conditions that could be encountered during underground tunnel construction, a 2.5% contingency in funding has been included to allow for the expeditious processing of any change orders. Construction is scheduled to begin November 2011. The construction contract allows 1,240 calendar days for completion of this project.

This project is managed by the Public Works Department.