

## AGENDA



Thursday, February 17, 2011

**Contract and Land Management  
RECOMMENDATION FOR COUNCIL ACTION****Item No. 12**

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**Subject:** Authorize execution of a construction contract with SJ LOUIS CONSTRUCTION OF TEXAS, Mansfield, TX for Waller Creek Tunnel Project – Main Tunnel & 4th Street Creek Side Inlet in the amount of \$48,683,500 plus a \$1,217,000 contingency, for a total contract amount not to exceed \$49,900,500.

**Amount and Source of Funding:** Funding is available in the Fiscal Year 2010-2011 Capital Budget of the Watershed Protection Department.

**Fiscal Note:** A fiscal note is attached.

**For More Information:** Gary Jackson, 974-7115; Stan Evans, 974-3378; Susan Garnett, 974-7064; Felecia Shaw, 974-7141

**Purchasing Language:** Lowest bid of 5 bids received.

**MBE/WBE:** This contract will be awarded in compliance with Chapter 2-9A of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goals with 7.85% MBE and 1.41% WBE subcontractor participation.

**Boards and Commission Action:** Recommended by the following Boards and Commissions, Design Commission, Parks Board, Environmental Board, Waller Creek Citizen Advisory Committee, and Planning Commission. Related to Items #17, 24, 25, & 26.

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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 will include construction of the main 5,233 foot-long tunnel, including excavation and concrete lining, and the 4th Street creek side inlet facility. An access shaft will be excavated and materials will be removed from a construction staging site at the northwest corner of East 4th Street and IH 35. Future components of the project will be constructed under separate contracts and will connect to the underground tunnel. A description of these future contracts is as follows:

- The Inlet facility is scheduled to start construction in September 2011. Located in Waterloo Park, this contract will include a large inlet to direct creek flows into the tunnel, an enclosed pump station, trash and debris capture equipment, and a pond to reduce the velocity of flood waters approaching the inlet facility. This project required approval of a conditional use permit to allow construction greater than one acre in a park.

- The Outlet is scheduled to start construction in March 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 approval of a variance to modify Lady Bird Lake shoreline and perform cut and fill activities.

- The 8th Street Creek Side Inlet, located between 8th and 9th Streets is scheduled to start construction in April of 2013.

Due to the potential for unknown conditions that could be encountered during underground tunnel construction, a 2.5% contingency has been included to allow for the expeditious processing of any change orders. Construction is scheduled to start in February of 2011. The construction contract allows 1,433 calendar days for completion of this project.