

AGENDA



Thursday, June 18, 2009

**Contract and Land Management
RECOMMENDATION FOR COUNCIL ACTION****Item No. 11**

Subject: Authorize execution of Change Order #5 to the construction contract with MCLEAN CONSTRUCTION, LTD, Killeen, TX, for Lamar / Bluebonnet / Manchaca Water Improvements – ACWP – Govalle 1 Basin Wastewater Improvements in the amount of \$850,000, for a total contract amount not to exceed \$8,767,843.

Amount and Source of Funding: Funding in the amount of \$850,000 is available in the Fiscal Year 2008-2009 Capital Budget of the Austin Water Utility.

Fiscal Note: A fiscal note is attached.

For More Information: Mercedes Garcia-Lopez 972-0265; Larry Mendez 974-1581; Mark Dollins, 972-0171; Robin Field 974-7064; April Thedford 974-7141

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) with 13.64% MBE and 3.16% WBE subcontractor participation to date including this change order.

Boards and Commission Action: Recommended by the Water and Wastewater Commission.

Prior Council Action: January 10, 2008 - Construction contract was awarded.

The awarded construction contract included both water and wastewater improvements. The wastewater portions of the project were part of the Austin Water Utility's Austin Clean Water Program (ACWP), which was developed to respond to the requirements of the Environmental Protection Agency's Administrative Order regarding Sanitary Sewer Overflows. The wastewater improvements replaced aging and deteriorated wastewater facilities and eliminated the repeat wastewater overflows that were occurring in the area. The project included construction in ten separate locations in the primarily residential area bounded by South Lamar Boulevard, Barton Skyway and Collier Street. The wastewater improvements were completed December 22, 2008.

Water improvements to upgrade lines and improve pressure at Manchaca Road at South Lamar Boulevard and Norris Road at Rabb Road are currently under construction. The water line replacements will provide adequate fire protection and increased water pressure to meet the peak demand.

This request is for Change Order No.5 which will include the rehabilitation of aging and deteriorated water lines with a history of breaks. These water lines are within the boundaries of this construction contract. Trenchless technology using the Cured in Place Pipe (CIPP) lining method and Pipe Bursting will be used for this construction. These methods are less expensive and less disruptive to the traveling public and nearby residents than conventional open cut excavation.

These types of trenchless technologies have the potential to save the City significant money over conventional trenching methods while limiting surface disturbance and minimizing the impact to roads, environmental features and nearby residents. Austin Water Utility (AWU) plans to increase its use of this technology throughout the City in order to upsize lines with minimal disruption to the surrounding

environment. Adding this requested work to this existing construction contract provides several advantages for the City. A highly specialized subcontractor with significant expertise in trenchless installation technologies is already included on the approved project team. The City proposes to gain experience with this project that will support efforts to develop future contracts for this construction method. AWU and Public Works staff have evaluated the contractor's price for this additional work and compared it to the prices paid by other municipalities that have used these technologies. The price was determined to be competitive.

The Pipe Bursting scope consists of upsizing approximately 3,473 linear feet of 6-inch diameter cast iron water line to 8-inch diameter water line. The work will also include the replacement of sixty-nine water services. Streets affected by the Pipe Bursting work will include La Casa Drive, Rae Dell Avenue, Rock Terrace Drive, Barton Skyway, Airole Way, and Fortune Drive.

The Cured in Place Pipe (CIPP) lining method scope consists of lining approximately 1850 linear feet of 8-inch cast iron water lines with a new liner that will be installed inside the existing 8-inch water line. The liner will bond to the host pipe and, once cured with hot water, the water services will be reinstated by robotic machine from inside the pipe. Streets affected by the CIPP lining work will include Wilke Drive, Rabb Road and Hollow Creek Drive.