

AGENDA



Thursday, April 22, 2010

**Contract and Land Management
RECOMMENDATION FOR COUNCIL ACTION****Item No. 13**

Subject: Authorize negotiation and execution of a professional services agreement with CP&Y (CHIANG, PATEL & YERBY), INC., Austin, TX, to provide engineering services for the Walnut Creek Wastewater Treatment Plant (WWTP) Water Resource Initiative (WRI) Tank Assessment & Repairs and High Service Pump Station Improvements in an amount not to exceed \$400,000.

Amount and Source of Funding: Funding is available in the Fiscal Year 2009-2010 Capital Budget of the Austin Water Utility.

Fiscal Note: A fiscal note is attached.

For More Information: Dan Pedersen 972-0074; Debra Dibble 974-7027; April Thedford 974-7141

Purchasing Language: Most qualified firm out of seven (7) firms evaluated through the City's qualification-based selection process.

MBE/WBE: This contract will be awarded in compliance with Chapter 2-9B of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goals with 15.80% MBE and 15.80% WBE subconsultant participation.

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

The Water Resource Initiative (WRI) System, located at the Walnut Creek Wastewater Treatment Plant (WWTP), is used to store treated and filtered wastewater effluent prior to transport for beneficial reuse application on publicly-accessed sites such as golf courses, parks, the Mueller redevelopment, and the University of Texas. Tank construction started in 2001 and it was placed in service in 2003.

The Austin Water Utility (AWU) requires professional engineering services for an assessment and remedial design documents to repair the WRI system ground storage tank located in the northeastern part of the Walnut Creek WWTP and to make improvements at the WRI high service pump station.

For this project, AWU requires the services of an engineering firm, licensed to practice in the State of Texas, whose expertise is either: Forensic structural engineering and failure analysis with experience in the design, rehabilitation and construction of bolted-steel ground storage tanks or extensive experience in the planning, design, rehabilitation and construction of bolted-steel ground storage tanks with a subconsultant whose primary expertise is as stated in the previous item.

Anticipated services associated with the above referenced WRI facility improvements include: An assessment of the tank to ensure its proper and safe long-term overall structural integrity and stability; Developing options, assessment of options and recommendations for any necessary structural corrections and for repairing / stopping ongoing leaks; A redesign of inlet piping to promote mixing; Design of a pump, motor, controls, and miscellaneous fittings to increase the high service pump station capacity at the tank; Design phase and construction phase services for corrections to the tank and work at the pump station.

The selected Team shall also develop and implement a QA / QC plan in conformance with requirements of the Owner. The anticipated schedule of services is as follows: Engineering Design Contract Execution - June 2010; Tank Assessment* - Nov 2010; Construction Document Development - Dec 2010 – May 2011; Bid/Award/Contract Execution - Jun 2011 – Nov 2011; Construction** - Dec 2011 – June 2012.

* Due to the tank being a critical component of the reclaimed system, it can only be out of service for two weeks during the evaluation stage.

** Due to the tank being a critical component of the reclaimed system, it may not be out of service for more than 8 weeks in the December to March time period.

This authorization provides for funding of services related to preliminary engineering, design and construction phase services, with an approximate budget of \$400,000. After sufficient forensic, structural and geotechnical analysis had been performed by the selected firm, AWU will select the desired option(s) for improvements to the facility. Construction will proceed after the required funding is identified.

This request allows for the development of a professional service agreement with the recommended firm. Should the City be unsuccessful in negotiating a satisfactory agreement with the recommended firm, negotiations will cease with that firm. Staff will then return to Council and request authorization to begin negotiations with the alternate recommendation listed below.

Recommended Firm: CP&Y, Inc.

Alternate Firm: Kleinfelder Central, Inc.