

A G E N D A



Recommendation for Council Action (CLMD)

Austin City Council - Commissioner's Court Meeting		Item ID:	34801	Agenda Number	24.
Meeting Date:	August 28, 2014				
Department:	Contract Management				
Subject					
Authorize negotiation and execution of an amendment to the professional services agreement with BLACK AND VEATCH CORPORATION for engineering services for the Walnut Creek Wastewater Treatment Filter Improvements Project in the amount of \$299,794 for a total contract amount not to exceed \$2,418,580.					
Amount and Source of Funding					
Funding is available in the Fiscal Year 2013-2014 Capital Budget of the Austin Water Utility.					
Fiscal Note					
A fiscal note is attached.					
Purchasing Language:					
Prior Council Action:	October 18, 2012 - Council authorized negotiation and execution of Professional Services Amendment with Black and Veatch Corporation for preliminary engineering. May 27, 2010 – Council authorized negotiation and execution of Professional Services Agreement with Black and Veatch Corporation for final design.				
For More Information:	Steve Parks, 512-974-3576; Lauren Tracey, 512-972-0230; Lucy Bonee, 512-974-7967; Elizabeth Godfrey, 512-974-7141.				
Boards and Commission Action:	August 13, 2014 – Recommended by the Water and Wastewater Commission with a vote of 6-0-0-1 with Commissioner Lee absent (Recommendation No. 20140813-D3).				
Related Items:					
MBE / WBE:	This contract was awarded in compliance with City Code Chapter 2-9B (Minority Owned and Women Owned Business Enterprise Procurement Program) with 17.94% MBE and 12.82% WBE subconsultant participation to date.				
Additional Backup Information					

The tertiary filters at the Walnut Creek Wastewater Treatment Plant serve as the final step in the wastewater treatment process before effluent is discharged to the Colorado River or reused through the City's water reuse initiative. The filters were originally built in 1974 and expanded in 1989, and many of the filter components are in need of replacement due to age and deterioration.

Black and Veatch has completed the preliminary engineering phase of the project identifying improvements necessary to ensure the long-term reliability of the filters; final design of improvements is currently underway. As a result of detailed analysis and hydraulic and process modeling performed during design, it was determined that certain components of the filter systems had to be replaced or redesigned to accommodate the planned improvements. This work was not in the original scope of work as it was not apparent until analysis and design of the improvements was well underway.

The proposed contract amendment will authorize Black and Veatch to complete work related to design of filter improvements. This additional work includes:

1. Hydraulic Improvements - Complex hydraulic issues required additional analyses and changes to the flow regime including the replacement of water troughs in Filters 5-10 and modifications of the weir in the northwest junction box. Additionally hydraulic analysis of the filter system during final design was required to ensure proper flow through the filter during the construction phase.
2. Replacement of additional equipment and appurtenances in Filter Gallery - Replace two additional filter gallery valves and effluent meters and complete refurbishing of the vacuum priming system for the backwash system was identified during final design. Additionally, one restraint for backwash drain pipe that was determined to be too corroded to re-use and requires replacement.
3. Relocation of Sodium Bisulfite feed system - Relocation of the Sodium Bisulfite chemical feed system was anticipated in the original scope of work. However, analysis of the proposed location revealed many underground obstructions and utilities. An alternate site was identified requiring additional surveying and design work.
4. Other additional work - Including additional work on filter control, further evaluation of construction sequencing to accommodate operational constraints and architectural work including replacement of doors and flooring, and repainting areas of the filter building.

The proposed amendment is estimated to be sufficient to cover all anticipated additional services required through the bidding phase. Staff anticipates returning to Council later this year for additional authorization for construction and warranty phase services.

The project is managed by the Public Works Department.

This item is pending review by the City's Change Control Committee.

Black and Veatch Corporation is located in Austin, TX.