

CIP EXPENSE DETAIL

CONTACT DEPARTMENT(S):

Austin Water Utility

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.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Wcwwtp Tertiary Filter Control Panels Rehab
Fund/Department/Unit:	4480 2307 8235
Funding Source:	AWU Fund Transfer
Current Appropriation:	2,621,400.00
Unencumbered Balance:	309,794.52
Amount of This Action:	(299,794.00)
Remaining Balance:	<u>10,000.52</u>
 Total Amount of this Action	 <u><u>299,794.00</u></u>

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

Hydraulic Improvements - Complex hydraulic issues required additional analyses and changes to the flow regimen 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 construction was required to ensure proper flow through the filter during the construction phase.

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. Additionally, one restraint for backwash drain pipe that was determined to be too corroded to re-use and requires replacement.

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.

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 services required through the bidding phase. Staff anticipates returning to Council later this year for additional authorization for construction and warranty phase services.

Black and Veatch Corporation is located in Austin, TX.