

CIP EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION:
CONTACT DEPARTMENT(S):

9/22/11
Austin Water Utility

SUBJECT. Approve ratification of a contract with EXCEL CONSTRUCTION SERVICES, LLC, Leander, TX for emergency repairs to the Ullrich Water Treatment Plant raw water header for the Austin Water Utility (AWU) for a total contract amount not to exceed \$371,000.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Emergency Rwps Rw Header Corrosion Repair
Fund/Department/Unit:	3960 2207 7651
Funding Source:	Commercial Paper
Current Appropriation:	650,000.00
Unencumbered Balance:	492,843.00
Amount of This Action:	<u>(371,000.00)</u>
Remaining Balance:	<u>121,843.00</u>
 Total Amount of this Action	 <u><u>371,000.00</u></u>

ANALYSIS / ADDITIONAL INFORMATION: The Ullrich Water Treatment Plant (WTP) raw water pump station discharge header was constructed in three phases in 1966, 1986 and 2003. The header is severely corroded, and leakage is evident at this and other locations. The deteriorated condition of components of the header system indicate susceptibility to failure that could cause further damage to the pump station, potentially resulting in an unanticipated shutdown of the Ullrich WTP. In April 2011, the Austin Water Utility (AWU) contracted with AECOM, a global leader in management support services for water systems, to evaluate the Ullrich Water Treatment Plant header and define recommendations for repairs. AECOM furnished non-destructive testing to investigate the causes of leaks and to quantify remaining pipe materials thicknesses in the header; non-destructive testing found that the head pipe wall thickness has deteriorated in certain areas, and is less than the minimum required thickness. As a result of the assessment, a recommendation was made that a portion of the header was in such a deteriorated condition that the repairs should be completed immediately.

On June 1, 2011, a Request for Quotation was issued by the department and three bids were received. To minimize the risk of any failure, the emergency repairs were authorized to begin on June 15, 2011 due to the 140 day delivery schedule submitted by the vendor.